TurnerCollie&Braden Inc.

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February 13, 2002

TC&B Job No. 48-06035-002 Sabine County Regional Water and Wastewater Planning

Dr. Tommy Knowles, Ph.D., P.E. Deputy Executive Administrator Texas Water Development Board 1700 North Congress Avenue P.O. Box 13231 Austin, Texas 78711-3231 HEROSENES ANAGEMENT

Re: Sabine County Regional Water and Wastewater Facilities Plan Response to Comments to the Draft Report TWDB Contract No. 2001-483-372

Dear Dr. Knowles:

We have received your letter dated January 10, 2002 and offer the following responses to comments made in regard to the above reference document.

- 1) The basin cited as the Angelina-Neches River Basin (Page 3 of Draft Final Report) has been correctly identified as the Neches River Basin in the Final Report document.
- 2) Additional information regarding the water quality of the water supply for Sabine County has been added to the report text. See page 10 of Final Report. Also, three copies of the Environmental Information Document, corresponding to the Facilities Plan, were submitted under separate cover on October 26, 2001 to Jose Rodriguez, P.E. of the TWDB. Our understanding is that Mr. Danny Fox reviewed the documents.
- 3) The wastewater treatment plant proposed for the Shawnee Shores and Holiday Forest subdivisions has been removed from the facilities plan. Corresponding text, tables, and cost estimates have been revised to reflect such. Please see Sections 6.0 and 8.0.
- 4) Cost tables and financial assumptions have been revised to reflect the that the interest rate for debt service will be approximately 3.3%, rather than the 0 to 2% previously assumed.

Turner Collie & Braden Inc.

Mr. Tommy Knowles, Ph.D., P.E. February 13, 2002 Page 2

With these revisions, and responses to other public comments received during public participation events, we respectfully submit these nine hard copies of the Final - Sabine County Regional Water and Wastewater Facilities Plan in addition to the electronic and camera-ready format versions of the Final Report per the scope of services outlined in the agreement between the TWDB and Sabine County.

Should you or your staff have any additional concerns, please contact me at (956) 781-6991 or Mike Reedy at (713) 267-3127.

Respectfully,

Keith P. Kindle, P.E.

Principal/Project Director

Michael V. Reedy, P.F.

Senior Project Manager

Turner Collie & Braden Inc.

TRANSMITTAL

ENGINEERS-PLANNERS-PROJECT MANAGERS

PO Box 130089 Houston, Texas 77219 5757 Woodway 713-780-4100 Fax 713-780-0838

RECEIVEL

10 m

TADE HEEF GRANTS MANAGEMENT

To:

Ms. Phyllis Thomas

Texas water Development Board

1700 North Congress Austin, Texas 78701

Date:

February 28, 2002

Re:

Final - Sabine County Regional Water and Wastewater Facilities Plan

Job No.: 48-06035-002; 2.0

Transmitted By: UPS

We are sending you the following:

Copies Description

- Original Report Sabine County Regional Water and Wastewater Facilities Plan
- 9 Copies Sabine County Regional Water and Wastewater Facilities Plan
- 1 Camera-ready copy Sabine County Regional Water and Wastewater Facilities Plan
- 1 CD with text and graphic files

Remarks:

Box 1 and 2 each contain 3 copies of the final report. Box 3 contains 2 copies and the original signed copy. Box 4 contains the camera-ready copy and CD of electronic files. Each report consists of Volumes I, II, and III.

If you need additional information, please contact Jennifer Elms at 713-267-2942.

Copies To:

Michael V. Reedy, P.E.

By: Symmy

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SECTION 1 – INTRODUCTION AND BACKGROUND

INTRODUCTION

Turner Collie & Braden Inc. (TC&B) was contracted by Sabine County to develop a Regional Facilities Plan for the Sabine County Regional Water and Wastewater Planning Group. An application for a research and planning fund grant for this study was prepared by TC&B, on behalf of Sabine County, and submitted to the Texas Water Development Board (TWDB) in May 2000 for review. The TWDB approved the application and entered into a contract with Sabine County in September 2000. Sabine County provided TC&B a notice to proceed for the project in December 2000. The following report summarizes the results of the Regional Water and Wastewater Facilities Plan for Sabine County.

PURPOSE AND OBJECTIVES

The purpose of the Regional Facilities Plan is to develop the planning framework for water and wastewater improvements for Sabine County for the next 50 years. The plan provides the description, analysis, and economics associated with implementing proposed improvements to the existing water and wastewater infrastructure in the planning area for this study. The boundaries of the planning area for this study include most of Sabine County (see *Exhibit 1-1*), excluding the jurisdictional boundary of the Brookeland Freshwater Supply District to the south, and include a small portion of San Augustine County to the northwest. Tasks completed as part of this study and discussed in greater detail in the following sections of this report include:

- 1. Develop water and wastewater projections for identified participants in the planning area for the 50-year planning period.
- 2. Gather data of existing utilities in the planning area.
- 3. Create existing water and wastewater facilities maps for the planning area.
- 4. Develop PIPE 2000 computer water models for existing water facilities in the planning area.
- 5. Recommend improvements to existing water facilities in the planning area to meet Texas Natural Resource Conservation Commission (TNRCC) minimum criteria for water systems.

- 6. Recommend alternatives for the regionalization of wastewater service in the planning area.
- 7. Create proposed water and wastewater facilities maps for the planning area.
- 8. Develop planning level costs for implementing the proposed water and wastewater improvements in the planning area.
- 9. Develop a user charge system for the funding of proposed improvements in the planning area.
- 10. Prepare an Environmental Information Document (EID) for the proposed water and wastewater facilities improvements.
- 11. Develop a consensus model management authority for the planning area.

SECTION 2 – DESCRIPTION OF PLANNING AREA

PHYSICAL DESCRIPTION OF SABINE COUNTY

Sabine County is located along the Louisiana/Texas border in deep East Texas. Adjacent counties include Shelby to the north, San Augustine to the west, and Jasper and Newton to the south. The Sabine River borders the county on the east and serves as a major water source for the area. The area lies in between the upper eastern Gulf Coast and eastern Carrizo-Wilcox Aquifers, which also supply water to the area. The terrain of the county is characterized by rolling hills and lush vegetation. Sabine County is home to the Sabine National Forest, and according to the Texas Almanac 1998-1999, 80 percent of the county is forested.

The two largest municipalities in the county are the City of Hemphill, located near the center of the county, and the City of Pineland, located near the southwestern corner of the county. The City of Hemphill serves as the county seat. The current population for the City of Hemphill, according to the Texas Water Development Board, is 1,345. The current population for the City of Pineland is 968. The remainder, and the most significant percentage, of the population in Sabine County is not located in an incorporated city limit, but is instead dispersed throughout the county. The majority of the county-wide population is located along Toledo Bend Reservoir.

Sabine County is within two major watershed boundaries. The southwestern corner of the county drains into the Neches River Basin and the uppermost reaches of Sam Rayburn Reservoir. The City of Pineland is in the Neches River Basin. The remainder and the majority of the county drains into the Sabine River Basin including the City of Hemphill.

WATER SUPPLY SOURCES

Major water sources in Sabine County include Toledo Bend Reservoir and Sam Rayburn Reservoir. Toledo Bend Reservoir is operated by the Sabine River Authority (SRA), Texas, and Sabine River Authority, Louisiana, and is utilized for municipal, industrial, irrigation, hydroelectric, and recreation purposes. Toledo Bend Reservoir is the largest reservoir in the State of Texas impounding 4,477,000 acre-feet of water with a firm yield of 1,838,000 acre-feet. SRA-Texas holds water rights to approximately 750,000 acre-feet; the remaining yield is owned and contracted by SRA-Louisiana.

Toledo Bend Reservoir currently has approximately 748,028 acre-feet of water available for contract use, making Toledo Bend Reservoir an abundant source of water to meet current and future needs for the county.

Sam Rayburn Reservoir is operated by the Angelina and Neches River Authority (ANRA) and is utilized for municipal, industrial, irrigational, hydro-electrical, and recreational purposes. Sam Rayburn Reservoir impounds 2,898,300 acre-feet of water with a firm yield of approximately 820,000 acre-feet. Approximately 438,000 acre-feet are currently available for contract.

Groundwater sources in Sabine County include major and minor aquifers, although the majority of groundwater used in Sabine County comes from minor aquifers. The two major aquifers in the area include Gulf Coast Aquifer and Carrizo-Wilcox Aquifer with the two minor aquifers being Queen City Aquifer and Sparta Aquifer. Carrizo-Wilcox Aquifer can be found in the northern portion of Sabine County with Gulf Coast Aquifer along the Newton County border to the south. Queen City Aquifer does not reach into the planning area, but a portion of the Sparta Aquifer extends through the middle of Sabine County.

DESCRIPTION OF PLANNING AREA PARTICIPANTS

Planning area participants who have provided information for this study include:

- City of Hemphill
- City of Pineland
- G-M Water Supply Corporation
- Beechwood Water Supply Corporation
- South Sabine Water Supply Corporation
- El Camino Bay Water Supply Corporation

These entities pledged support for this Regional Facilities Plan as well as provided information regarding current water demands, wastewater demands, existing treatment capacity, and existing water and wastewater infrastructure. Other entities are included within the boundaries of the

planning area. However, the majority of the entities not listed are private subdivisions that currently have water provided by one of the water supply entities listed or do not have water service from any public water supply. Two other entities, Pendleton Harbor Water Corporation and Frontier Park, have provided letters of support for this study. However, TC&B was not provided detailed information regarding their existing water and wastewater infrastructure. Pendleton Harbor Water Corporation and Frontier Park are therefore not discussed in detail in the following report. However, these entities represent a small fraction of the total water and wastewater demand in the county, and their exclusion should be insignificant to the results of this study.

The exclusion of these two entities from this study is not meant to infer that either Pendleton Harbor or Frontier Park could not be a participant in the regional water and wastewater planning process or any management authority created as a result of this study. Their exclusion was based only on a lack of information provided and the fact that the combined water and wastewater demands of these two entities represents only a small fraction of the total water and wastewater demands in the county.

PLANNING AREA DESCRIPTION

The boundaries of the planning area for this study include most of Sabine County (see *Exhibit 1-1*) and a small portion of San Augustine County to the northwest. This portion of San Augustine County is included to encompass all of the existing service area for G-M Water Supply Corporation. Some areas along the southern boundary of the county are currently in the jurisdiction of the Brookeland Freshwater Supply District and are therefore not included in the planning area for this study.

COUNTY GOVERNMENT

Sabine County is governed by a County Judge, the Honorable Jack H. Leath, and four County Commissioners. *Exhibit 2-1* provides a map showing the four precincts and the approximate jurisdictional boundaries in Sabine County. The County Commissioners as well as their respective precincts are listed below:

Keith Clark – Precinct 1 Lynn Smith – Precinct 2

Doyle Dickerson – Precinct 3

Gene Nethery - Precinct 4

SECTION 4 – SENATE BILL 1 REGION I PLANNING

BACKGROUND

The 1997 State Legislature, through Senate Bill 1, determined that the Texas State Water Plan for the 2000 through 2050 planning period would be developed through a regional planning approach. To accomplish this task the TWDB divided the state into 16 regional water planning areas and appointed representational Regional Water Planning Groups (RWPG) to guide the development of each region's plan. The results of the 16 regional water plans are combined to form the State Water Plan. The final plan is scheduled for delivery by the Texas Water Development Board on January 5, 2002.

Sabine County is located within the regional planning area for Region I (East Texas). Region I consists of all or portions of 20 counties located in the Neches, Sabine, and Trinity River Basins, and the Neches-Trinity Coastal Basin. The region extends from the southeastern corner of the state for over 150 miles north and northwest.

The Region I planning group studied the current and future projected water demands and supplies for user groups in each county in the Region I Planning Area. Based on the comparison of water demand and supply, the planning group then recommended strategies for meeting shortages for each identified user group. For Sabine County, the only entities identified separately as user groups were the City of Hemphill, City of Pineland, livestock, and manufacturing. Water demand and supply issues for all other entities (i.e., G-M WSC, Beechwood WSC, etc.) were lumped together and summarized as County-Other.

REGION I ESTIMATE OF POPULATION IN SABINE COUNTY

Region I developed population estimates based on TWDB consensus projections. This information was supplemented by information published by the Texas State Data Center and population studies commissioned by individual entities. Based on the results provided in Task 2 of the East Texas (Region I) Regional Water Plan, Region I is expected to grow from 1,042,411 residents in 2000 to an estimated 1,562,155 in the year 2050, a growth of 49.9 percent during the 50-year planning horizon.

Three population groups were identified by Region I for Sabine County, Hemphill, Pineland, and County-Other (which includes rural area as well as small towns with populations less than 500). *Table 3.1*, developed from results of the East Texas (Region I) Regional Water Plan, shows the expected growth for these three areas.

Table 3.1 **Population Projections for Sabine County**

Entity	2000	2010	2020	2030	2040	2050
Hemphill	1,345	1,512	1,683	1,966	2,235	2,527
Pineland	968	1,060	1,181	1,379	1,565	1,767
County – Other	9,052	10,537	11,972	13,300	14,563	15,888
Total	11,365	13,109	14,836	16,645	18,363	20,182

REGION I ESTIMATE OF WATER DEMAND IN SABINE COUNTY

The Region I Planning Group developed estimates for water demand in Sabine County based on population projections provided by the TWDB, as well as, projections for manufacturing and livestock water demands in the area. *Table 3.2* provides a summary of the projected total water demands included in the Region I report for Sabine County for the identified user groups.

Table 3.2
Water Demands as Identified by Region I Planning Group

	Water Demand (acre-feet)					
User Group	Year 2000	Year 2010	Year 2020	Year 2030	Year 2040	Year 2050
City of Hemphill	361	387	415	476	533	601
City of Pineland	223	236	250	286	319	358
County-Other	828	878	927	986	1,030	1,103
Manufacturing	1,837	1,958	2,078	2,196	2,313	2,427
Livestock	399	422	449	480	516	558
Total	3,648	3,881	4,119	4,424	4,711	5,047

REGION I WATER SUPPLY

The Region I Planning Group also developed estimates for water supply in Sabine County based on existing supply contracts, historical use records, and aquifer sustainable yield estimates. *Table 3.3* provides a summary of the projected total water supply included in the Region I report for Sabine County for the identified user groups.

Table 3.3

Available Water Supply as Identified by Region I Planning Group

	Water Supply (acre-feet)					
User Group	Year 2000	Year 2010	Year 2020	Year 2030	Year 2040	Year 2050
City of Hemphill	1,842	1,842	1,842	0	0	0
City of Pineland	524	524	524	524	524	524
County-Other	676	676	676	676	676	676
Manufacturing	1,849	1,849	1,849	1,849	1,849	1,849
Livestock	466	466	466	466	466	466
Total	5,357	5,357	5,357	3,515	3,515	3,515

Based on a review of *Table 3.2* and *Table 3.3*, it appears that Sabine County will experience a shortage of available water in the year 2030. However, further review indicates that the City of Hemphill's water contract with the SRA expires in the year 2020. The shortages predicted in 2030 through 2050 can be eliminated through an extension of the contract between Hemphill and the SRA.

Region I estimated that approximately two-thirds of the total County-Other water supply (450 acrefeet per year) was from Toledo Bend Reservoir. The remaining one-third is from Carrizo-Wilcox Aquifer, Sparta Aquifer, and other minor aquifers. In addition, manufacturing water supply was considered to be provided primarily from groundwater sources, and livestock water supply was considered as coming from both surface water and groundwater. Based on these considerations, of the total water supply currently being used in Sabine County, approximately 50 percent is currently

derived from surface water with the remainder being comprised of groundwater from the aquifers listed above.

REGION I WATER MANAGEMENT STRATEGIES

The Region I plan concluded that groundwater use from other minor and undifferentiated aquifers make up the majority of groundwater use in the county. The plan further concluded that because the long-term sustainability of these minor aquifers is not known, it was not recommended that this water supply be relied upon to meet future needs. Region I recommended that the majority of future water demands in Sabine County be met through additional water supply from Toledo Bend Reservoir. Additional groundwater sources were recommended to meet only existing and future manufacturing water demands.

ADDITIONAL WATER PLANNING NEEDS FOR SABINE COUNTY

While the approach used in Senate Bill 1 planning is sound for the development of water management strategies on a large scale, it does not adequately identify issues associated with individual water supply corporations. The Regional Facilities Plan summarized in the following sections of this report further refines the results from the Region I plan to better define and focus water management strategies for Sabine County to address individual water supply corporations. This greater level of detail is needed for this study in order to more accurately plan and manage the water needs for Sabine County.

It appears that adequate water supplies exist in Sabine County, primarily as a result of supply from Toledo Bend Reservoir, to meet current and projected water demands. However, the Region I report was not designed to address whether adequate facilities are in place to capture, treat, transmit, and distribute the water to end-users in the county. The purpose of this Regional Facilities Plan is to better define the infrastructure needs in Sabine County to address water supply and wastewater treatment needs for the county.

A significant portion of the backbone infrastructure, primarily from the City of Hemphill water treatment facilities, the G-M Water Supply Corporation distribution facilities, and the Beechwood and South Sabine systems is already in place to create a regional water supply system for the county. However, capacity issues associated with the existing infrastructure limit the ability to meet current water needs in the county as well as any growth in the area. As a result of the capacity limitations associated with existing infrastructure, two of the larger water supply corporations in the Planning area (G-M Water Supply Corporation and Beechwood Water Supply Corporation) are currently under TNRCC Agreed Orders to upgrade water treatment and distribution facilities in the near future.

WASTEWATER PLANNING NEEDS FOR SABINE COUNTY

Senate Bill 1 planning did not address wastewater needs for the area. The majority of Sabine County, with the exception of the City of Hemphill, City of Pineland, and small package plants along Toledo Bend Reservoir, is currently served by on-site septic systems. The vast majority of the population along Toledo Bend Reservoir is served by septic systems and drain fields. The soils along Toledo Bend Reservoir are often not suitable for on-site septic systems due to poor drainage and infiltration characteristics.

The TNRCC has issued several Notices of Violation (NOV) to individual septic tank owners in the county for improperly operating septic systems. Both the City of Hemphill and City of Pineland currently operate a central collection and treatment system to meet the wastewater needs of those municipalities. The City of Hemphill plant is relatively old and is currently operating at near capacity. Major upgrades to the City of Hemphill plant are currently planned for year 2002 at an estimated cost of \$1.4 million. The City of Pineland wastewater treatment plant underwent a major upgrade in 1991 and is currently operating with excess capacity. In order to protect the water quality of Toledo Bend Reservoir and the future water supply for Sabine County, as well as to provide the ability for growth in the county, further improvements and potential regionalization strategies for wastewater services in the county were explored here.

WATER QUALITY DETERMINATIONS

Based on information provided in the Region I plan, the primary source of surface water for Sabine County is Toledo Bend Reservoir. Water use designations for the reservoir include contact recreation, high aquatic life, and public water supply. Toledo Bend Reservoir is designated as stream Segment 0504 in the Sabine River Basin.

The Region I report list 10 stream segments from the Texas Clean Rivers Act Section 303(d), List of Impaired and Threatened Water Bodies. Segment 0504 is included in that list. Overall water quality with regard to water quality parameters, such as total suspended solids, dissolved oxygen, and others, are not specifically discussed within the Region I report. Additionally, there is no discussion of water quality with regard to groundwater from either the major or minor aquifers.

SECTION 4 – DESCRIPTION OF EXISTING WATER SYSTEMS

CITY OF HEMPHILL

The City of Hemphill (Hemphill) currently serves approximately 659 customers within the city limits and provides water to G-M Water Supply Corporation for its customers as well. Based on a review of the Hemphill monthly operating reports for 1999, the total average water demand in Hemphill is approximately 317,000 gallons per day (gpd) with a daily peak of approximately 832,000 gpd. The Hemphill water supply is obtained solely from Toledo Bend Reservoir and is treated at a surface water treatment plant, owned by the Sabine River Authority (SRA) and operated by Hemphill. The SRA water plant is located northeast of Hemphill on Toledo Bend Reservoir in the Midlake area. The total capacity of the SRA water treatment plant is approximately 2.3 million gallons per day (mgd).

The G-M Water Supply Corporation (WSC) currently has a contract with Hemphill for approximately 0.84 mgd. As a result of the relationship between G-M WSC and Hemphill, the SRA water treatment plant currently serves approximately 65 percent (3,403 connections out of the total 5,132 connections reviewed as part of this study) of the total water demand in Sabine County.

Treated water is pumped from the SRA water treatment plant to Hemphill in a 10-inch water main to a 429,000-gallon ground storage tank located near the center of town. Water is then pumped from ground storage to a 100,000-gallon elevated storage tank, which maintains pressures within Hemphill's water distribution system. In addition to the facilities described above, Hemphill currently has a total of approximately 2,000 gallons per minute (gpm) of service pump capacity. *Exhibit 4-1* illustrates existing water system facilities for the City of Hemphill.

CITY OF PINELAND

The City of Pineland (Pineland) currently serves approximately 377 customers within the city limits. Based on a review of the Pineland monthly operating reports, the total average water demand in Pineland is approximately 222,000 gallons per day (gpd) with a daily peak of approximately 437,000 gpd. The Pineland water supply is obtained solely from groundwater sources. Pineland currently has a single well with a production capacity of approximately 370 gpm. Pineland is currently

constructing a second water well with an estimated production capacity of approximately 400 gpm. This second water well is expected to be in service by the end of this year (2001).

Water from the well is pumped to a 200,000-gallon elevated storage tank near the center of town, which maintains pressures within Pineland's water distribution system. In addition to the facilities described above, Pineland currently has a total of approximately 770 gpm of service pump capacity. *Exhibit 4-2* illustrates existing water system facilities for the City of Pineland.

G-M WATER SUPPLY CORPORATION

G-M WSC is the single largest water purveyor in the county, serving approximated 2,771 customers throughout Sabine County and a small portion of San Augustine County. G-M WSC currently serves only as a central water distribution system only and contracts with the City of Hemphill for all of the treated water required to meet the demands of its customer base. This contract allows a maximum of 25 million gallons per month to be utilized by G-M WSC. Based on a review of the G-M WSC monthly operating reports for 1999, the total average water demand for the G-M system is 592,000 gpd, with a daily peak of approximately 1,051,000 gpd.

G-M WSC currently operates 5 ground storage tanks, 5 standpipes, and 1 elevated storage tank within their system. In addition, G-M WSC also operates a total of 22 pumps stations in their system. G-M WSC purchases treated water from the City of Hemphill for distribution in their system. Water is obtained from 2 primary locations in the county. G-M WSC obtains water directly from the SRA water treatment plant via pump stations at the plant. Water is then pumped from the plant to several individual tanks and other pumping facilities located primarily in the northern and northeastern portions of the county to serve G-M WSC customers in those areas. G-M WSC also obtains water directly from the City of Hemphill distribution facilities at the outer city limits along Highways 184 and 87. Water obtained from these locations is then re-pumped to storage and pumping facilities in the western and southeastern portions of the county to serve G-M WSC customers in those areas. *Exhibit 4-3* illustrates existing water system facilities for G-M WSC.

BEECHWOOD WATER SUPPLY CORPORATION

Beechwood WSC currently serves approximately 470 customers within the Beechwood and Springhill subdivisions located in the southern portion of the county. Raw water for Beechwood WSC is obtained from Toledo Bend reservoir and is treated at a surface water plant owned and operated by Beechwood WSC. Based on monthly operating reports for 1999, the total average water demand for the Beechwood system is 72,000 gpd with a daily peak of approximately 230,000 gpd.

The total design capacity of the Beechwood water treatment plant is approximately 324,000 gpd. However, due to structural deficiencies associated with the facilities, the current treatment capacity is limited to approximately 180,000 gpd. Treated water is pumped from the plant through a 6-inch pipe to the storage facility. Available storage consists of a 230,000-gallon ground storage tank and two additional 33,500-gallon ground storage tanks. Pressure within the distribution system is maintained by two 500-gpm pumps and two 5,000-gallon pressure tanks. *Exhibit 4-4* illustrates existing water system facilities for Beechwood WSC.

SOUTH SABINE WATER SUPPLY CORPORATION

South Sabine WSC currently serves approximately 770 customers in the southern portion of the county. South Sabine's water supply is obtained solely from groundwater sources. The total average water demand for the South Sabine service area is approximately 74,000 gpd with a daily peak of approximately 332,000 gpd, based on a review of monthly operating reports for 1999.

South Sabine currently has two wells, with a combined capacity of approximately 270 gpm, which pump to a ground storage tank with a capacity of 210,000 gallons. The ground storage tank is located at such an elevation that pressure throughout the system is maintained solely by gravity. *Exhibit 4-5* illustrates existing water system facilities for the South Sabine WSC.

EL CAMINO BAY WATER SUPPLY CORPORATION

The El Camino Bay system currently serves approximately 112 customers in the El Camino Bay subdivision. Based on a review of the 1999 monthly operating reports, the total average water demand for El Camino Bay is approximately 18,000 gpd with a daily peak of approximately 57,000 gpd. Raw water supply for El Camino Bay is obtained solely from Toledo Bend Reservoir and is treated at a surface water treatment plant owned and operated by El Camino Bay WSC.

Treated water is pumped via 3-inch pipe to the storage facility, which is made up of two 12,000-gallon tanks. In addition to these storage tanks, five 525-gallon pressure tanks are located within the facility. *Exhibit 4-6* illustrates existing water system facilities for the El Camino Bay WSC.

Combined, these six entities provide an average daily demand of approximately 1.89 million gallons per day and serve approximately 5,100 customers. *Table 4.1* provides a summary of the existing water supply facilities in Sabine County.

Table 4.1 Existing Facilities in Sabine County

	Existing Connections	Plant Capacity (gpm)	Service Pump Capacity (gpm)	Storage		Pressure
				Ground (gal)	Elevated (gal)	Tank Capacity (gal)
City of Hemphill	659	1,011	2,000	429,000	100,000	N/A
City of Pineland	377	325	770	0	200,000	N/A
G-M WSC	2,744	586 ⁽¹⁾	5,080	484,000	30,000	24,500
Beechwood WCS	470	150	1,000	296,000	N/A	10,000
South Sabine WSC	770	270	1,540	210,000	N/A	N/A
El Camino Bay WSC	112	70	200	24,000	N/A	2,625

Amount available for contract from the City of Hemphill. G-M WSC currently does not have water treatment facilities.

SECTION 5 – DESCRIPTION OF EXISTING WASTEWATER SYSTEMS

The majority of the Sabine County's wastewater treatment needs are currently served using individual septic tanks. The use of on-site wastewater treatment (septic tanks) is especially prevalent in the densely populated areas along Toledo Bend Reservoir. The City of Hemphill and City of Pineland both operate their own wastewater treatment plants serving residents within their respective city limits. The remaining portion of the county has very little centralized wastewater collection and treatment. Three other small (less than 0.05 mgd) wastewater treatment plants exist along Toledo Bend Reservoir in the Beechwood, Pendleton Harbor, and Frontier Park areas.

CITY OF HEMPHILL

The City of Hemphill's existing wastewater treatment plant (WWTP) was constructed in 1955 and first permitted by Texas Water Commission in 1974. Currently, the WWTP is permitted for an average daily flow of 0.20 mgd with a 2-hour peak of 0.53 mgd under Texas Pollutant Discharge Elimination System (TPDES) Permit No. 10493-002.

The current treatment train consists of an Imhoff tank, trickling filter, settling basins, and chlorine contact chambers. Hemphill's WWTP discharges into Toledo Bend Reservoir (Segment 0504 of the Sabine River Basin). Discharge limits are 20 milligrams per liter (mg/l) biochemical oxygen demand 5-day (BOD5) and 20 mg/l total suspended solids (TSS) with a minimum of 4 mg/l dissolved oxygen (DO). Wastes classified as municipal waste are treated at the plant, as there are no generators of industrial or special need waste currently served by the plant; therefore no pretreatment requirements exist.

Existing infrastructure comprises approximately 150 feet of 10-inch, 19,000 feet of 8-inch, and 62,000 feet of 6-inch collection lines. Seven lift stations are used to pump sewage up to gravity lines for delivery to the WWTP. Four lift stations use submersible pumps and three lift stations use self-priming pumps for a total capacity of 850 gpm.

CITY OF PINELAND

The City of Pineland's WWTP operates in an extended aeration mode, having undergone a major upgrade in 1991. Currently, the WWTP is permitted for an average daily flow of 0.214 mgd with a 2-hour peak of 0.86 mgd under TPDES Permit No. 10249-001.

The plant discharges into Sam Rayburn Reservoir (Segment 0610 of the Neches River Basin). Discharge limits are 10 mg/l BOD5, 15 mg/l TSS, and nitrate-nitrogen 3 mg/l. with a minimum DO of 4 mg/l. The city is negotiating a contract with Temple Inland, a wood products company, to buy treated effluent for reuse within their facilities.

OTHER WWTPS

Beechwood WSC maintains their own wastewater plant. This plant currently serves the areas of Beechwood III and Beechwood IV. Currently, the WWTP is permitted for an average daily flow of 0.05 mgd with a 2-hour peak flow of 0.10 mgd under TPDES Permit No. 11423-001.

The plant discharges to Toledo Bend Reservoir (Segment 0504 of the Sabine River Basin). Discharge limits are 10 mg/l BOD5 and 15 mg/l TSS.

Two other wastewater treatment package plants exist along Toledo Bend Reservoir. These are small package plants operating at average flows of less than 10,000 gallons per day. These package plants generally serve their marina and other facilities within their encampments. These plants include Frontier Park and Pendleton Harbor.

SECTION 6 – REGIONAL WATER AND WASTEWATER ANALYSIS AND PLANNING CRITERIA

AVERAGE WATER USAGE OF PLANNING PARTICIPANTS

TC&B collected data from the planning area participants on three different occasions. Copies of monthly operating reports were obtained for portions of the years 1998, 1999, and 2000. The most complete data set for most participants was that of 1999. Therefore 1999 was used as the reference year in which average water usage was based for most participants, for purposes of this planning study. *Appendix A* summarizes the actual water usage by month and year for each planning participant studied as part of this study.

WATER DEMAND USED FOR WATER SYSTEM MODELING

In order to provide a reasonable degree of conservatism for the analysis, the month with the highest reported usage was used to calculate an average demand per connection for each planning participant for use in the model. *Table 6.1* summarizes the average demand per connection used in the water modeling for each planning participant.

Table 6.1
Peaking Factors and Demands for Water Models

	Average Day Demand (gpm)	Peak Day		Peak Hour	
Entity		Peak Factor	Demand (gpm)	Peaking Factor	Demand (gpm)
City of Hemphill	0.47	2.4	1.13	2	2.26
City of Pineland	0.54	2.4	1.30	2	2.60
G-M WSC	0.21	2.4	0.49	2	0.98
Beechwood WSC	0.11	3.5	0.40	2	0.80
South Sabine WSC	0.12	3.9	0.45	2	0.90
El Camino Bay WSC	0.11	3.9	0.43	2	0.86

In order to meet TNRCC criteria, distribution systems must be adequately sized to provide the peak hour demand in a system while maintaining system pressures of at least 35 pounds per square inch (psi). In addition, distribution systems must be capable of providing the peak day demand plus a fire

demand while maintaining system pressures of at least 20 psi. Water models were prepared for each planning participant system and were evaluated based on these criteria. In order to complete this analysis, however, peak day and peak hour demands had to be estimated for each planning participant. Peak day and peak hour demands were estimated by applying a peaking factor to the average day demands provided in *Table 6.1* above. The recommended peaking factors used for this study for peak day and peak hour were 2.4 and 2.0, respectively. These peaking factors were used for the Cities of Hemphill and Pineland and for the G-M WSC distribution system.

The City of Hemphill and City of Pineland are typical of most municipalities that consist mostly of residents who live and work in the area on a full time basis. The subdivisions along Toledo Bend Reservoir consist of a number of weekend residents who do not contribute as significantly to normal daily water use. Because the majority of the water demand associated with the other planning participants is derived from areas along Toledo Bend Reservoir where water usage patterns are different than typical municipalities, an alternative method for deriving peaking factors was utilized.

For these entities, the average weekend use was also calculated, based on monthly operating reports provided by each planning participant. The peak day demand factor was calculated by dividing the average weekend use by the average daily use for the month. This peak day demand factor was then applied to the average day demands in *Table 6.1* to estimate peak day demands for each entity. The peaking factor of 2 was then used to calculate peak hour demands for each entity. *Table 6.1* provides the average day demands, peak day demands, peak hour demands, and associated peaking factors for each planning participant used during the water modeling analysis. The water demands in *Table 6.1* are provided in terms of a rate (gpm) per connection for each entity.

WATER MODELING DEVELOPMENT AND CRITERIA

Water distribution system modeling was performed using the PIPE2000 computer-modeling program developed by the University of Kentucky and widely used and recognized within the engineering community. Each planning participant provided engineering drawings and pipe layout plans for their individual distribution systems. This information was then digitized and coded into a Geographical

Information System (GIS) database. PIPE2000 and the GIS system were designed to import and export files from one another, allowing the modeler to have a more accurate representation of pipe layouts and the ability to import database information from each system.

A system of nodes and pipes, constructed from the digital GIS database described above, was then imported into the PIPE2000 water system model and the applicable water demands provided in *Table 6.1* were applied to representative nodes. The above-described methodology was followed for all water models developed for this planning study with the exception of the G-M WSC water model.

As part of the "in-kind" services provided by the planning participants for this TWDB planning study grant, the G-M WSC water model was developed by the engineer for G-M WSC (Cross-Tex Engineers, Palestine, Texas). The G-M WSC water model was developed using the KYPIPE water system model. KYPIPE is an earlier version of the PIPE2000 water model used by TC&B to analyze existing water systems. The G-M WSC water model, developed by Cross-Tex Engineers, was imported into the PIPE2000 computer model for further refinement and execution.

These existing conditions water models were then executed to identify deficiencies in the existing distribution systems for each planning participant analyzed during this study. Recommended improvements were then based on TNRCC criteria as well as typical criteria used for sound engineering of distribution systems. The basic criteria used to make recommendations for improvements to existing distribution facilities include:

- 1. minimum system pressures of 35 psi under peak hour demand
- 2. minimum system pressures of 20 psi under peak day plus fire flow demand
- 3. headlosses less than 10 feet per 1,000 feet of length and velocities less than 10 feet per second (fps) under existing water demands
- 4. headlosses less than 5 feet per 1,000 feet of length and velocities less than 5 fps under projected water demands in 2050

The first two criteria above are those recommended by the TNRCC for water distribution facilities. The criteria for headloss and velocity are those criteria typically used by the engineering community in designing water facilities. Based on experience, it has been found that water distribution facilities

designed and operated under these criteria will provide longer useful lives and will also reduce operations and maintenance costs. Headlosses greater than 5 feet per 1,000 feet of length can result in higher operational costs associated with pumping. Likewise, velocities greater than 5 fps can result in problems associated with pipe scouring, a greater risk of pipe breaks, and potential water hammer issues.

Because these criteria are not necessarily TNRCC requirements, the headloss and velocity criteria used to recommend proposed improvements to existing systems under existing water demands were relaxed to 10 feet per 1,000 feet length and 10 fps, respectively. For purposes of this study, proposed improvements to existing systems under existing water demands will be implemented in the near term (between 2005 and 2010), while proposed improvements under projected 2050 water demands will be implemented further out in time (between 2025 and 2030).

It was recognized that due to financial constraints many of the proposed improvements that are based solely on the criteria for headloss and velocity may not be feasible in the short term. In addition, it was also recognized that problems associated with exceeding the headloss and velocity criteria summarized above are related to long-term operation and maintenance issues and may not impact significantly a short-term benefit/cost analysis. Therefore, the criteria for headloss and velocity were relaxed to evaluate proposed improvements under existing water demands. The more stringent criteria for headloss and velocity were used to evaluate improvements under projected 2050 water demands.

PURPOSE AND OBJECTIVE OF WASTEWATER PLANNING

As stated previously in this report, the majority of wastewater treatment in Sabine County is currently served through on-site treatment facilities (septic tanks) at individual residences. Centralized wastewater collection and treatment facilities are generally limited to the City of Hemphill, City of Pineland, and small facilities along Toledo Bend Reservoir serving a limited number of connections. The majority of dense population in Sabine County is along Toledo Bend Reservoir, and therefore a majority of the wastewater treatment along the reservoir is currently

provided by septic systems. Toledo Bend Reservoir is an important natural resource and water supply for Sabine County and should be protected. Because of this, the primary objective of wastewater planning, for purposes of this study, was to assess the feasibility and alternatives for implementing centralized type wastewater facilities along Toledo Bend Reservoir.

A previous Facility Engineering Plan, prepared by The Hogan Corporation, dated February 1998, and submitted to the TWDB Economically Distressed Areas Program (EDAP), indicates that certain soil types existing along Toledo Bend Reservoir are not recommended for on-site septic systems. The United States Department of Agriculture (USDA) Soil Conservation Service (SCS) classifies soil types as to the "degree and kind of limitation of septic tank filter fields." Based on the Facility Engineering Plan prepared by The Hogan Corporation, many of the soils along Toledo Bend Reservoir are classified as having moderate to severe limitations for septic tank filter fields. *Table 6.2* summarizes the soils types, degree and kind of limitations, and permeability issues associated with each soil type. *Exhibit 6-1* provides a general soils map of Sabine County illustrating the various soils types and location of soils types within the county.

Table 6.2
Soils Properties Along Toledo Bend Reservoir

Soil Type	Degree and Kind of Limitation for Septic Tank Filter Fields	Permeability	
Woodtell	Severe-unfavorable	Percs slowly	
Bernaldo	Moderate-not favorable	Wetness	
Mantachie	Severe-unfavorable	Wetness floods	
Sacul	Severe-unfavorable	Percs slowly	
Rayburn	Severe-unfavorable	Percs slowly	
Tehran	Severe-unfavorable	Poor filter	

The primary focus of wastewater planning for Sabine County, for purposes of the study, was concentrated on the development along Toledo Bend Reservoir and based on the following:

- 1. the above-referenced findings associated with soil classifications
- 2. the degree of development along Toledo Bend Reservoir
- 3. the prevalence of on-site septic systems along Toledo Bend Reservoir
- 4. the inherent importance of protecting the water quality of Toledo Bend Reservoir, a valuable long-term source of surface water supply for the county

DESCRIPTION OF WASTEWATER STUDY AREAS

Based on the above-described objectives, the area along Toledo Bend Reservoir was divided into five separate areas for purposes of wastewater planning. The five areas are designated as:

- 1. Beechwood/South Sabine Planning Area
- 2. Timberlane Planning Area
- 3. El Camino Bay Planning Area
- 4. Midlake Planning Area
- 5. North Planning Area

See Exhibit 6-2 for location of each wastewater planning area.

Beechwood/South Sabine Planning Area

The Beechwood/South Sabine Planning Area is located along Toledo Bend Reservoir in the southeastern corner of Sabine County. The area extends from approximately Highway 87 east to Toledo Bend Reservoir and includes the Holiday Forest, Shawnee Shores, Sandy Creek Estates, Laguna Shores, Shoreline, Dogwood Forest, McGee's Landing, Beechwood, Springhill, and Toledo Beach subdivisions as well as others.

The primary regional water suppliers in the area are the Beechwood WSC and South Sabine WSC. Some residents in the planning area may also have private water wells. One centralized wastewater treatment plant currently exists in the Beechwood/South Sabine Planning Area serving residents of the Beechwood III and Beechwood IV subdivisions. It was assumed, based on information obtained from the planning participants, that the Beechwood wastewater treatment plant has adequate treatment capacity to serve existing and projected connections for the current service area.

The remainder of the residents within the planning area are currently utilizing on-site septic systems. Approximately 853 potential wastewater connections were estimated to currently exist within this planning area with a total wastewater demand of approximately 0.18 mgd. Based on growth projections for Sabine County, the number of connections would increase to approximately 1,142 by 2050 with a total wastewater demand of approximately 0.24 mgd.

Timberlane Planning Area

The Timberlane Planning Area is located just north of the Beechwood/South Sabine Planning Area. The area extends from approximately Highway 87 east to Toledo Bend Reservoir and includes the Dogwood Estates, Hammock Estates, Timberlane, Gilleys Point, Green Acres, Youpon Ridge, Toledo Village, and Woodland Estates subdivisions as well as others.

The primary regional water supplier in the area is the G-M WSC. Some residents in the planning area may also have private water wells. There are currently no centralized wastewater treatment plants in the Timberlane Planning Area. All residents within this planning area are currently utilizing on-site septic systems. Approximately 483 potential wastewater connections were estimated to exist within this planning area with a total wastewater demand of approximately 0.10 mgd. Based on growth projections for Sabine County, the number of connections would increase to approximately 646 by 2050 with a total wastewater demand of approximately 0.14 mgd.

El Camino Bay Planning Area

The El Camino Bay Planning Area is located just north of the Timberlane Planning Area. The area extends from approximately Highway 87 east along Highway 83 to Toledo Bend Reservoir and

includes the New Spring Hills, Sabinetown, Rebel Ridge, River Bend, El Camino Bay, Siesta Shores, Sunshine Valley Estates, and Harborlight subdivisions as well as others.

The primary water supplier in the area is the G-M WSC. Some residents in the planning area may also have private water wells. The El Camino Bay WSC provides treated surface water to residents of the El Camino Bay subdivision. There are currently no centralized wastewater treatment plants in the El Camino Bay Planning Area. All residents within this planning area are currently utilizing onsite septic systems. Approximately 662 potential wastewater connections were estimated to exist within this planning area with a total wastewater demand of approximately 0.13 mgd. Based on growth projections for Sabine County, the number of connections would increase to approximately 888 by 2050 with a total wastewater demand of approximately 0.18 mgd.

Midlake Planning Area

The Midlake Planning Area is located just north of the El Camino Bay Planning Area. The area extends from approximately Highway 87 east along Highway 21 to Toledo Bend Reservoir and includes the Alpine, Twin Cedars, Holly Bay, Midlake, Midlake Village, Pecan Estates, Frontier Park, and Pendleton Harbor subdivisions as well as others.

The primary water supplier in the area is the G-M WSC. Some residents in the planning area may also have private water wells. There are currently two centralized wastewater treatment plants in the Midlake Planning Area. The Pendleton Harbor and Frontier Park wastewater treatment plants currently serve residents from their respective subdivisions. It was assumed, based on information obtained from the planning participants, that the Pendleton Harbor and Frontier Park wastewater treatment plants have adequate treatment capacity to serve existing and projected connections for the current service area.

The remaining residents within this planning area are currently utilizing on-site septic systems. Approximately 279 potential wastewater connections were estimated to exist within this planning area with a total wastewater demand of approximately 0.06 mgd. Based on growth projections for

Sabine County, the number of connections would increase to approximately 371 by 2050 with a total wastewater demand of approximately 0.08 mgd.

North Planning Area

The North Planning Area is located just north of the Timberlane Planning Area. The area extends from approximately Highway 87 east to Toledo Bend Reservoir and includes the Shamrock Shores, Playcation, Piney Point, Waterwood, Hickory Point, and Rana Brian subdivisions as well as others.

The primary water supplier in the area is the G-M WSC. Some residents in the planning area may also have private water wells. There are currently no centralized wastewater treatment plants in the North Planning Area. All residents within this planning area are currently utilizing on-site septic systems. Approximately 444 potential wastewater connections were estimated to exist within this planning area with a total wastewater demand of approximately 0.09 mgd. Based on growth projections for Sabine County, the number of connections would increase to approximately 594 by 2050 with a total wastewater demand of approximately 0.12 mgd.

WASTEWATER FLOW ESTIMATION

Wastewater flows were calculated for each potential connection using the TNRCC standard criteria of 100 gallons per capita day (gpcd). The potential number of connections was estimated using information, provided by the Sabine County 911 management office, of existing structures in the county. *Exhibit 6-3* provides the existing structures map for Sabine County. For purposes of this study, each structure was assumed to represent a potential connection for wastewater service.

The 100 gpcd was then multiplied by the estimated average number of persons per connection. For Sabine County the average number of persons per connection was estimated at 2.08 for the five areas along Toledo Bend Reservoir. The estimated wastewater flows were used to develop estimates of treatment capacity for wastewater treatment plants proposed in each planning area for the existing and projected number of connections.

Wastewater collection lines, force mains, and lift stations proposed for each planning area to convey wastewater to individual wastewater treatment plants were sized to include capacity for infiltration and inflows to the system. For purposes of this regional study, a factor of 4.0 was applied to all estimated wastewater flows, calculated as described above, to estimate the total hydraulic capacity on the wastewater collection and transmission facilities.

Table 6.3 provides the number of connections, total estimated wastewater flows, and total estimated hydraulic loading for each planning area.

Table 6.3
Estimated Wastewater Flows

	Number of Connections		Total Estimated Wastewater Flow (mgd)		Total Estimated Hydraulic Flow (mgd)	
Planning Area	2001	2050	2001	2050	2001	2050
Beechwood/South Sabine	853	1142	0.18	0.24	0.72	0.96
Timberlane	483	646	0.10	0.14	0.40	0.56
El Camino	662	888	0.13	0.18	0.52	0.72
Midlake	279	371	0.06	0.08	0.24	0.32
North	444	594	0.09	0.12	0.36	0.48

WASTEWATER COLLECTION SYSTEMS ALTERNATIVES

The majority of residents in subdivisions along Toledo Bend Reservoir are not connected to centralized wastewater treatment facilities and instead utilize on-site septic systems to treat domestic wastewater. Therefore, planning the conversion from on-site sewer systems to centralized treatment facilities requires the consideration of wastewater collections systems. Currently, wastewater from individual residences is discharged to underground private septic tanks for primary treatment and solids removal and then discharged to drain fields located on individual lots. In order to centralize treatment, a system of collection lines and other infrastructure will need to be constructed to transport wastewater flows from individual residences within a geographic area to the central

treatment facilities serving that geographic area. For purposes of this study, three alternative methods of wastewater collection are considered.

Conventional Gravity Sewers

The first method, and by far the most common, is the use of conventional gravity sewers. Gravity sewers typically would be used to completely replace the need for and use of septic tanks in the wastewater treatment process. Gravity sewers utilize the natural force of gravity to move untreated wastewater from individual residences to the ultimate location of centralized treatment facilities. In certain instances, where the natural topography of an area does not lend itself to gravity flow, lift stations are required to pump wastewater up to a grade where it can again be collected and moved by gravity toward the treatment facility. Because conventional gravity sewers typically carry significant solids loading, design flow velocities should be on the order of 4 to 6 feet per second to prevent clogging. Conventional gravity sewers are most applicable to areas of dense population, low water tables, and slight to moderate terrain.

Septic Tank Effluent Pump (STEP) Sewers

An alternative method to conventional gravity sewers for wastewater collection is septic tank effluent pump (STEP) systems. The STEP system is a pressurized sewer collection system as opposed to the gravity system described above. The STEP system, while still serving as a central collection system, does not completely replace the need and use of septic tanks in the treatment process. The STEP system typically consists of collecting wastewater from individual residences in existing, or newly installed, septic tanks for primary removal of suspended solids, grease, and biological oxygen demand (BOD). This primary treatment is capable of removing 90 percent of the grease, 70 to 90 percent of the suspended solids, and 50 to 80 percent of the BOD from domestic wastewater flows. STEP systems require that solids from individual septic tanks be removed, via vacuum truck, and properly disposed of on some pre-determined regular interval.

This partially treated effluent then flows to a pump vault within the tank (or separate pump tank in older systems) where a submersible pump, typically one-half horsepower, conveys the wastewater to

the collection system where it may again be re-pumped to the central treatment facilities. The pumps are usually controlled by level sensors that cause the pumps to discharge at some pre-determined tank level. Because the STEP system is a pressurized sewer collection system, collection lines used to transport wastewater flows from STEP systems can generally be of smaller diameter (i.e., 2-inch to 4-inch) than gravity collection lines (i.e., 6-inch to 8-inch). In addition, because STEP systems typically have a much lower solids loading than conventional gravity sewers, design flow velocities can be reduced to 1 to 2 feet per second without concern for clogging. STEP systems are most applicable to areas of low-density population, high water tables, and moderate to severe terrain where gravity collections systems are not easily implemented. In addition, the removal of the majority of the solids prior to pumping allows the use of much less expensive effluent pumps and eliminates the need for grinder pumps for this application.

Grinder Pump Sewers

Grinder pump sewers are another alternative to conventional gravity sewers and, similar to STEP systems, are also pressurized sewer collection systems. The grinder pump sewers typically consist of collecting wastewater from individual residences in below ground holding tanks or wet wells. The holding tank contains a level-controlled sewage pump whose intake is fitted with a grinding mechanism similar to that of a household garbage disposal. When a pre-determined volume of wastewater accumulates in the holding tank, the grinder pump is activated.

The grinder pump then macerates the solids and pumps the resulting slurry into a central collection system where it may again be re-pumped to the central treatment facilities. Because the grinder pump system is a pressurized sewer collection system, collection lines used to transport wastewater flows from grinder pump systems can generally be of smaller diameter (i.e., 2-inch to 4-inch) than gravity collection lines (i.e., 6-inch to 8-inch). However, unlike STEP systems, solids in the grinder pump systems are transported as a slurry within the collection system. Therefore, design flow velocities, particularly for long pipe segments, should be on the order of 2 to 4 feet per second. Like STEP systems, grinder pump systems are most applicable to areas of low-density population, high

water tables, and moderate to severe terrain where gravity collections systems are not easily implemented.

WASTEWATER TREATMENT SYSTEMS ALTERNATIVES

Conventional wastewater treatment (package plants) and natural treatment alternatives (i.e., aerobic systems, sand filters, etc.) are potentially applicable to the wastewater treatment needs of the study area. The following sections describe the various treatment alternatives reviewed as part of this study and summarize some of the advantages, disadvantages, design parameters, and performance characteristics for each system.

Conventional Wastewater Treatment (Package) Plants

The extended aeration package plant version of the activated sludge process is one of the most widely used treatment options for smaller facilities. The extended aeration process is characterized by low loading rates and long hydraulic and solids retention times. In a well operated package plant, the 5-day biochemical oxygen demand (BOD5) and total suspended solids (TSS) removal can be expected to range from 85 to 95 percent.

An extended aeration package plant generally consists of coarse screening, activated sludge aeration using mechanical air diffusers, secondary clarification using skimming and return sludge pumping, and a disinfection contact basin. Sludge is typically wasted to an aerobic holding or aerobic stabilization tank. Sludge disposal will be sent to a licensed facility that is permitted to accept domestic wastewater sludge. The aeration tank volume is typically designed based on an organic loading rate of approximately 15 pounds of BOD₅ per 1,000 cubic feet per day. Secondary clarifiers are generally sized to accommodate the larger of 1,000 gpd per square feet for peak flow or 500 gpd per square feet for design flow.

Advantages of the extended aeration process include the lowest sludge production of any activated sludge process, high quality effluent, relatively quick installation times with minimal site preparation, reliability with sufficient operator attention, minimal land requirements, and ability to

handle shock hydraulic loadings. Disadvantages include a relatively higher capital cost than other treatment alternatives (i.e., sand filters, aerobic treatment systems), and more operation and maintenance expenses than natural alternatives. Based on the degree of treatment typically achieved, the relative ease of implementation, as well as the degree of acceptance for this type of treatment, the extended aeration package plant was considered as a potential wastewater treatment alternative for Sabine County.

Sand Filters

Sand filters treat wastewater using naturally occurring physical, biological, and chemical processes. They are a good alternative for additional on-site treatment where septic tank and soil absorption systems have failed or are restricted due to poor soils, high groundwater, or other site conditions. They are also a good choice for small, residential communities in areas where conventional centralized treatment is infeasible or uneconomical to implement. Sand filters also generally cost less to construct and operate than centralized conventional treatment systems.

Sand filters usually require some form of pre-treatment (i.e., septic tank, aerobic unit, or sedimentation tank) to remove solids in the raw wastewater stream. Wastewater treated by sand filtration is usually colorless and odorless and, depending upon local and environmental conditions and regulations, can be disinfected and discharged directly to surface water. When discharged to a soil absorption field, sand filter effluent can receive further treatment, even at some sites where conventional septic tank/soil absorption fields are not operating efficiently.

Sand filters are constructed beds of sand or other suitable granular material usually 2 to 3 feet deep. The filter materials (media) are often contained in a liner made of concrete, plastic, or other impermeable material. Depending upon the design, the filter may be constructed above ground, partially below ground, or below ground, and may be covered or uncovered. Partially treated wastewater is applied to the filter surface in intermittent doses and receives treatment as it slowly trickles through the media. Wastewater then collects in an underdrain system and flows to further treatment and/or discharge. Depending on the system design, sand filters are capable of reducing

five-day biological oxygen demand (BOD₅) and total suspended solids (TSS) in wastewater to 10 milligrams per liter (mg/l) or less.

Due to problems sometimes associated with odors produced from sand filters, particularly for more developed areas, another alternative to buried or open sand filters is a recirculating sand filter. In a recirculating sand filter, wastewater flows by gravity from a septic tank to a recirculation tank, which is equipped with a pump, a timing mechanism, and float valves. The wastewater is pumped to the filter when the wastewater reaches a certain level in the tank or in timed doses.

After receiving treatment in the sand filter, the wastewater collects in underdrains and a portion is directed back to the recirculation tank, where it mixes again with septic tank effluent and is recirculated to the sand filter. The remaining sand filter effluent bypasses the recirculation tank and goes directly to disinfection or further treatment. The ratio of sand filter effluent that is recirculated to septic tank effluent ranges from 3:1 to 5:1 and is determined by individual system design. As a result of recirculation, the wastewater applied to the sand filter is weaker and contains more oxygen than straight septic tank effluent, which eliminates odors. Final sand filter effluent from a recirculating sand filter is also of higher quality and ranges from 2 to 5 mg/l BOD and from 3 to 5 mg/l TSS. *Table 6.4* provides a summary of typical design parameters for sand filters.

Table 6.4
Typical Design Parameters for Sand Filters

Design Factor Pretreatment	Buried Solids Removal	Open Solids Removal	Recirculating Solids Removal
Media			
Material	Washed, granular	Washed, granular	Washed, granular
Effective size	0.3-1 mm	0.3-1 mm	0.8-3 mm
Unif. Coeff.	<4.0	<4.0	<4.0
Depth	24-36 inches	24-36 inches	24-36 inches
Hydraulic loading	<1.5 gpd/square feet	2-5 gpd/square feet	3-5 gpd/square feet
Organic loading	$<0.5 \times 10^{-3} \text{ lbs}$ BOD5/day/ft ²	$<0.5 \times 10^{-3}$ lbs BOD5/day/ft ²	<0.5 x 10 ⁻³ lbs BOD5/day/ft ²
Media temperature	>5 degree C	>5 degree C	>5 degree C
Dosing frequency	<2 per day	>2 per day	5-10 min/ 30 min
Recirculation ratio	NA	NA	3:1 to 5:1

Based on the degree of treatment sand filters can achieve and the relatively low cost associated with implementation, the recirculating sand filter was considered as a potential wastewater treatment alternative for Sabine County.

Aerobic Treatment Systems

Aerobic systems are similar to septic systems in that they both use natural processes to treat wastewater. But unlike septic treatment (anaerobic), the aerobic treatment process requires oxygen. Aerobic treatment units, therefore, use a mechanism to inject and circulate air inside the treatment tank. This mechanism requires electricity to operate. For this reason, aerobic systems generally cost more to operate and need more routine maintenance than most septic systems. However, when properly operated and maintained, aerobic systems can provide a high quality wastewater treatment alternative to septic systems.

Aerobic systems often require pre-treatment (i.e., septic tanks). Solids including grease, oils, and other materials should be removed prior to aerobic treatment to ensure effective treatment. In addition, the discharge from aerobic treatment systems is generally not of adequate quality to be discharged directly to the environment. Aerobic treatment systems will require post-treatment (i.e., sand filter, soil absorption field, or evapotranspiration bed) prior to discharge, although in some cases they may be allowed to discharge to a surface irrigation system. A variety of different designs exist for aerobic treatment systems. The most common designs are suspended growth units and attached growth units.

The process most aerobic units use to treat wastewater is referred to as suspended growth. These units include a main compartment called an aeration chamber in which air is mixed with the wastewater. This is generally accomplished by forcing air into the aeration chamber by an air blower or a compressor. The forced air mixes with wastewater in the aeration chamber, and the oxygen supports the growth of aerobic bacteria that digest the solids in the wastewater. This mixture of wastewater and oxygen is called the "mixed liquor."

The treatment occurring in the mixed liquor is referred to as suspended growth because the bacteria grow as they are suspended in the liquid unattached to any surface. The bacteria cannot digest all of the solids in the mixed liquor, and these solids eventually settle out as sludge. Many aerobic units include a secondary chamber called a settling chamber or clarifier where excess solids can settle. In aerobic units designed with a separate settling compartment, the sludge returns to the aeration chamber (either by gravity or by pumping). The sludge contains bacteria that also aid in the treatment process. While these units greatly reduce the volume of sludge produced through the recirculation and endogenous respiration of the biological solids produced, there are suspended materials in wastewater that are not biodegradable, as well as materials that are much harder to degrade. As a result, all aerobic systems will produce some sludge that must be managed, and they must be pumped on a regular basis. This is particularly important for those units that discharge into subsurface fields, as the suspended solids will clog the field if they carry over into the effluent.

An alternative design for aerobic treatment is the attached growth system. These units treat wastewater by taking a surface made of material that the bacteria can attach to, and then exposing that surface alternately to wastewater and air. This is achieved either by rotating the surface in and out of the wastewater or by dosing the wastewater onto the surface. As with the suspended growth treatment, pre-treatment and post-treatment is required for the attached growth treatment as well. The air required for the attached growth treatment process is either naturally present or provided by mechanical means. Attached growth systems, such as trickling filters and rotating disks, are less common than suspended growth systems but have certain advantages. With attached growth systems, there is no need for mixing, and solids are less likely to be washed out of the system during periods of heavy household water use.

Aerobic systems are generally good options for small rural communities where the soil quality is not appropriate for septic systems, the groundwater is high, septic systems have failed, adequate land is not available for septic systems, or a higher degree of treatment is required. Advantages of aerobic treatment systems include:

- A higher level of treatment than with septic systems
- Extended life of existing septic systems
- Potential reduction in drainfield sizes

Disadvantages of aerobic treatment systems include:

- More expensive to operate than septic systems or sand filters
- Greater degree of mechanical parts than with septic systems or sand filters
- More routine maintenance than septic systems or sand filters
- Subject to upsets under sudden heavy loads or when neglected
- Post-treatment prior to discharge

The aerobic treatment system alternative was not included for further consideration for Sabine County based on these disadvantages.

DESCRIPTION OF WASTEWATER PLANNING ALTERNATIVES FOR SABINE COUNTY

Two alternative methods for wastewater service were analyzed for each wastewater planning area described above as part of this planning study. The first alternative consisted of conventional wastewater treatment systems (i.e., package plants) centrally located in areas of dense population. The majority of these centralized wastewater treatment plants were located near communities or clusters of communities where the resulting number of connections would be 200 or greater. This centralized alternative for service requires some form of collection in each individual subdivision and usually an extensive network of force mains and lift stations to direct wastewater to the centralized treatment facilities.

The second alternative studied consists of natural treatment systems (i.e., sand filters) located in individual subdivisions or small clusters of communities. In general, the number of connections served by each individual natural wastewater treatment system was less than 200. With this alternative, the network of force mains and lift stations to direct wastewater to the treatment facilities was generally less extensive than with the centralized alternative described above. However, because treatment is not centralized, more individual natural wastewater treatment facilities are required.

For both alternatives for service, two alternative collection systems were assessed. Conventional gravity sewer systems and STEP systems were assessed for each alternative approach for service. The primary differences between the alternative collection systems (i.e., gravity and STEP) are the diameter of the collection lines and the solids handling measures. STEP collection systems are pressurized systems and solids are generally handled by existing septic tanks at individual residences. Therefore, line velocities can be lower and resulting line diameters can be smaller than with gravity sewers.

For the alternatives utilizing STEP collection systems, it was assumed that all STEP collection lines in individual subdivisions would be a minimum of 2-inch diameter lines. For the alternatives utilizing gravity sewer collection systems, it was assumed that all gravity collection lines in

individual subdivisions would be a minimum of 6-inch diameter lines. Line velocities in force mains and gravity mains directing wastewater from the individual subdivisions to the location of treatment facilities are sized according to line velocity criteria for each type of collection system.

STEP collection systems, for purposes of this planning study, will not be transporting significant solids with the wastewater flows, and therefore lower line velocities are allowed with these systems. Gravity sewer collection systems are designed to transport both the solids and the liquid fraction of wastewater flows and therefore require higher line velocities to reduce clogging. For purposes of this study, line velocities in force mains and gravity mains directing flows from individual subdivisions collected by STEP systems to treatment facilities are allowed to be as low as one foot per second. The minimum diameter of force mains and gravity mains for wastewater flows collected by STEP systems was established as 2-inch and 3-inch, respectively.

For alternatives utilizing gravity collection lines, force mains and gravity mains would be required to maintain line velocities of 4 to 6 fps. The minimum diameter of force mains and gravity mains for wastewater flows collected by gravity sewer systems was established as 4-inch and 6-inch, respectively. *Table 6.5* provides a summary of design parameters used to assess the various wastewater collection alternatives.

Table 6.5
Design Parameters for Wastewater Collection Systems

Design Parameter	STEP Collection System	Conventional Collection System
Minimum Collection Line Diameter	2-inch	6-inch
Minimum Force Main Diameter	2-inch	4-inch
Minimum Gravity Main Diameter	3-inch	6-inch
Minimum Line Velocity	1 foot per second	4 feet per second

Appendix B provides the summary of calculations used to size force mains and gravity mains for each wastewater planning area assuming STEP collection systems. Based on these results, force

mains are generally 2-inch to 3-inch diameter lines with lift stations varying from less than 20 gpm to approximately 200 gpm. Gravity mains are generally 3-inch to 6-inch diameter lines.

A detailed analysis, as provided in *Appendix B*, was not conducted for force mains and gravity mains directing wastewater flows from gravity collection systems. Due to the higher velocity requirements and the relatively small wastewater flows associated with this study, an analysis of the type provided in *Appendix B* was not applicable to systems utilizing gravity sewers. A wastewater system utilizing gravity sewer collection lines for Sabine County will require the ability to store wastewater at lift stations in sufficient volumes to achieve pumping at required velocities. However, based on the results of the STEP analysis in *Appendix B*, it was assumed that the minimum line diameters for force mains (4-inch) and gravity mains (6-inch) would be required for alternatives utilizing gravity sewers.

The relatively small wastewater flows, the minimum line diameters, and the sometimes significant length of force main and gravity main required to transport wastewater from individual subdivisions to central treatment facilities, will require lift stations to be constructed and operated differently when utilizing gravity sewer collection systems. Lift stations may also need to be equipped with blowers to reduce the septic conditions associated with sewage accumulated at lift stations for significant lengths of time.

Centralized Conventional Wastewater Treatment System Alternative

This approach consists of siting conventional (package) wastewater treatment plants to serve clusters of connections from multiple subdivisions in each planning area. In general, wastewater treatment plants were located in areas that would serve approximately 200 or more connections, would be accessible, and would be relatively near Toledo Bend Reservoir or tributary along the reservoir for discharge. Two alternative means of wastewater collection were assessed for this alternative, STEP collection systems and conventional gravity sewers. Costs associated with this alternative are provided in *Section 9* of this report. This alternative was prepared for each of the five wastewater planning areas described in the sections above.

Beechwood/South Sabine Planning Area

The centralized conventional treatment system alternative for the Beechwood/South Sabine Planning Area is shown on *Exhibit 6-4*. This approach would consist of two new wastewater treatment plants sited throughout the planning area.

One plant would be located near the center of the planning area between Toledo Beach and Sandy Creek Estates subdivisions. This plant would serve approximately 396 current existing connections and approximately 530 connections by 2050. This plant would be required to have a treatment capacity of 0.08 mgd to meet current wastewater demands and approximately 0.11 mgd to meet wastewater demands in 2050. This plant would serve the Toledo Beach, Arrowcrest, Sandy Creek Estates, Canfield Tracts, Laguna Shores, Shoreline, Lakewood Estates, Oakridge, and Pineridge subdivisions. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total of 15 lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities.

A second plant would be located in the eastern portion of the planning area near the Beechwood subdivision. This plant would serve approximately 321 current existing connections and approximately 430 connections by 2050. This plant would be required to have a treatment capacity of 0.07 mgd to meet current wastewater demands and approximately 0.09 mgd to meet wastewater demands in 2050. This plant would serve the Beechwood I, Beechwood II, Emerald Beach, and Springhill subdivisions. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total of six lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities. *Table 6.6* provides a summary of proposed wastewater infrastructure for the centralized conventional wastewater treatment alternative for the Beechwood/South Sabine Planning Area for planning year 2050.

Table 6.6
Summary of Wastewater Infrastructure
for Beechwood/South Sabine Planning Area

Facilities	2050 Wastewater Demand	
Total Number of Connections	960	
Total Number of Plants	2	
Total Plant Capacity (mgd)	0.20	
Total Collection Lines (Linear Foot)	141,220	
Total Force Main (Linear Foot)	65,900	
Total Gravity Main (Linear Foot)	14,585	

Timberlane Planning Area

The centralized conventional treatment system alternative for the Timberlane Planning Area is shown on *Exhibit 6-5*. This approach for this planning area would consist of two new wastewater treatment plants sited throughout the planning area. One plant would be located in the western portion of the planning area near the Woodland Estates subdivision. This plant would serve approximately 319 current existing connections and approximately 427 connections by 2050. This plant would be required to have a treatment capacity of 0.07 mgd to meet current wastewater demands and approximately 0.09 mgd to meet wastewater demands in 2050. This plant would serve the Dogwood Estates, Woodland Estates, Toledo Village, Six Mile Marina, Six Mile Village, and Drake Estates subdivisions as well as miscellaneous connections to the north. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total of seven lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities.

A second plant would be located in the eastern portion of the planning area near the Hammock Estates subdivision. This plant would serve approximately 164 current existing connections and approximately 219 connections by 2050. This plant would be required to have a treatment capacity of 0.03 mgd to meet current wastewater demands and approximately 0.05 mgd to meet wastewater

demands in 2050. This plant would serve the Hammock Estates, Timberlane, Youpon Ridge, Green Acres, and Rice subdivisions. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total of eight lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities. *Table 6.7* provides a summary of proposed wastewater infrastructure for the centralized conventional wastewater treatment alternative for the Timberlane Planning Area.

Table 6.7
Summary of Wastewater Infrastructure
for Timberlane Planning Area

Facilities	2050 Wastewater Demand		
Total Number of Connections	646		
Total Number of Plants	2		
Total Plant Capacity (mgd)	0.14		
Total Collection Lines (Linear Foot)	100,095		
Total Force Main (Linear Foot)	67,610		
Total Gravity Main (Linear Foot)	3,640		

El Camino Bay Planning Area

The centralized conventional treatment system alternative for the El Camino Bay Planning Area is shown on *Exhibit 6-6*. This approach would consist of four new wastewater treatment plants sited throughout the planning area. One plant would be located in the western portion of the planning area near the Harbor light subdivision. This plant would serve approximately 168 current existing connections and approximately 227 connections by 2050. This plant would be required to have a treatment capacity of 0.03 mgd to meet current wastewater demands and approximately 0.05 mgd to meet wastewater demands in 2050. This plant would serve the Harbor light, Sunshine Valley Lake View, WD Barlow, Ellison Estates, and Sunshine Valley Estates subdivisions. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total

of seven lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities.

A second plant would be located in the eastern portion of the planning area near the Lowes Creek subdivision. This plant would serve approximately 143 current existing connections and approximately 191 connections by 2050. This plant would be required to have a treatment capacity of 0.03 mgd to meet current wastewater demands and approximately 0.04 mgd to meet wastewater demands in 2050. This plant would serve the Lowes Creek subdivision and miscellaneous connections to the west. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, one lift station would then direct wastewater from the subdivisions to the central wastewater treatment facilities.

A third plant would be located in the eastern portion of the planning area near the River Bend subdivision. This plant would serve approximately 245 current existing connections and approximately 328 connections by 2050. This plant would be required to have a treatment capacity of 0.05 mgd to meet current wastewater demands and approximately 0.07 mgd to meet wastewater demands in 2050. This plant would serve the New Spring Hills, Sabinetown, River Bend, and Rebel Ridge subdivisions. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total of nine lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities.

A fourth plant would be located in the eastern portion of the planning area near the El Camino Bay subdivision. This plant would serve approximately 106 current existing connections and approximately 142 connections by 2050. This plant would be required to have a treatment capacity of 0.02 mgd to meet current wastewater demands and approximately 0.03 mgd to meet wastewater demands in 2050. This plant would serve the El Camino Bay subdivision. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total

of two lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities. *Table 6.8* provides a summary of proposed wastewater infrastructure for the centralized conventional wastewater treatment alternative for the El Camino Bay Planning Area.

Table 6.8
Summary of Wastewater Infrastructure
for El Camino Bay Planning Area

Facilities	2050 Wastewater Demand	
Total Number of Connections	888	
Total Number of Plants	4	
Total Plant Capacity (mgd)	0.23	
Total Collection Lines (Linear Foot)	108,075	
Total Force Main (Linear Foot)	53,300	
Total Gravity Main (Linear Foot)	27,620	

Midlake Planning Area

The centralized conventional treatment system alternative for the Midlake Planning Area is shown on *Exhibit 6-7*. This approach would consist of one new wastewater treatment plant located in the eastern portion of the planning area near the Midlake Village subdivision. This plant would serve approximately 279 current existing connections and approximately 371 connections by 2050. This plant would be required to have a treatment capacity of 0.06 mgd to meet current wastewater demands and approximately 0.08 mgd to meet wastewater demands in 2050. This plant would serve the Hill Country, Pecan Estates, Powell, Alpine, Twin Cedars, Holly Bay, and Midlake Village subdivisions. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total of six lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities. *Table 6.9* provides a summary of proposed wastewater infrastructure for the centralized conventional wastewater treatment alternative for the Midlake Sabine Planning Area.

Table 6.9
Summary of Wastewater Infrastructure
for Midlake Planning Area

Facilities	2050 Wastewater Demand		
Total Number of Connections	598		
Total Number of Plants	1		
Total Plant Capacity (mgd)	0.12		
Total Collection Lines (Linear Foot)	77,785		
Total Force Main (Linear Foot)	47,410		
Total Gravity Main (Linear Foot)	10,040		

North Planning Area

The centralized conventional treatment system alternative for the North Planning Area is shown on *Exhibit 6-8*. This approach for this planning area would consist of one new wastewater treatment plant located near the middle of the planning area near the Playcation subdivision. This plant would serve approximately 444 current existing connections and approximately 594 connections by 2050. This plant would be required to have a treatment capacity of 0.09 mgd to meet current wastewater demands and approximately 0.12 mgd to meet wastewater demands in 2050. This plant would serve the Shamrock Shores, Newell, Waterwood, Hickory Point, Piney Point, Wells Shady Rest, Rana Brian, Shoreline II, Holly Park, and Playcation subdivisions. A central collection system, consisting either of 2-inch STEP lines or 6-inch gravity lines, would be constructed in each subdivision in order to collect wastewater from individual residences. Following collection, a total of 17 lift stations would then direct wastewater from the subdivisions to the central wastewater treatment facilities. *Table 6.10* provides a summary of proposed wastewater infrastructure for the centralized conventional wastewater treatment alternative for the Beechwood/South Sabine Planning Area.

Table 6.10
Summary of Wastewater Infrastructure
for North Planning Area

Facilities	2050 Wastewater Demand		
Total Number of Connections	594		
Total Number of Plants	1		
Total Plant Capacity (mgd)	0.12		
Total Collection Lines (Linear Foot)	80,035		
Total Force Main (Linear Foot)	61,120		
Total Gravity Main (Linear Foot)	10,330		

Natural Treatment Cluster Systems Alternative

This approach consists of siting numerous natural type treatment systems to serve smaller clusters of connections or individual subdivisions in each planning area. For purposes of this study, the recirculating sand filter treatment process was used to develop costs for this alternative. In general, wastewater treatment plants were located in areas that would serve fewer than 200 connections, would be accessible, and would be relatively near Toledo Bend Reservoir or tributary along the reservoir for discharge. Two alternative means of wastewater collection, STEP collection systems and conventional gravity sewers, were also assessed for this alternative. Costs associated with this alternative are provided in *Section 9* of this report. This alternative was prepared for each of the wastewater planning areas described in the sections above.

The natural treatment cluster systems alternative for the Beechwood/South Sabine, Timberlane, El Camino, Midlake, and North Planning Areas are shown on *Exhibits 6-9* through 6-13, respectively. As seen from review of these exhibits, this alternative requires significantly more plant sites than the centralized treatment alternative described previously. However, the number of lift stations and the overall lengths of force mains and gravity mains required to direct wastewater out of individual subdivisions to the treatment facilities are significantly reduced.

A total of approximately 10 centralized conventional treatment plants are required to meet the total wastewater demand for all five planning areas in the centralized alternative described above. In comparison, the natural cluster system alternative will require approximately 47 treatment plants to meet the total wastewater demand for all five planning areas. The Beechwood/South Sabine, Timberlane, El Camino, Midlake, and North Planning Areas will require approximately 13, 12, 8, 5, and 9 treatment facilities, respectively, to meet projected wastewater demands using the natural treatment cluster system alternative.

Additionally, the total number of connections estimated for wastewater service using this alternative is somewhat less than the number of connections estimated with the centralized alternative. This is due primarily to the fact that with the centralized alternative an extensive system of force mains and gravity mains is required to deliver wastewater from individual subdivisions to the central treatment facilities. Because of this system, some areas of less dense population can potentially be served due to the presence of this delivery system near the area. This extensive delivery system is not present with the natural cluster system alternative and therefore those areas of less dense population were not included for service due to the practical limitations of connecting a very small number of connections to treatment facilities. *Table 6.11* provides a summary of wastewater infrastructure proposed for each planning area using the natural treatment cluster system alternative.

Table 6.11 Summary of Wastewater Infrastructure for Natural Treatment Cluster System Alternative

Facilities	2050 Wastewater Demand	
Beechwood/South Sabine Planning Area	4. 中国中国基础 (Albert 1992)	
Total Number of Connections	879	
Total Number of Plants	13	
Total Plant Capacity (mgd)	0.18	
Total Collection Lines (Linear Feet)	140,750	
Total Force Main (Linear Feet)	32,000	
Timberlane Planning Area		
Total Number of Connections	557	
Total Number of Plants	12	
Total Plant Capacity (mgd)	0.09	
Total Collection Lines (Linear Feet)	100,095	
Total Force Main (Linear Feet)	15,100	
El Camino Bay Planning Area		
Total Number of Connections	823	
Total Number of Plants	8	
Total Plant Capacity (mgd)	0.17	
Total Collection Lines (Linear Feet)	93,700	
Total Force Main (Linear Feet)	20,850	
Midlake Planning Area		
Total Number of Connections	353	
Total Number of Plants	5	
Total Plant Capacity (mgd)	0.07	
Total Collection Lines (Linear Feet)	68,650	
Total Force Main (Linear Feet)	1,950	
North Planning Area		
Total Number of Connections	486	
Total Number of Plants	9	
Total Plant Capacity (mgd)	0.10	
Total Collection Lines (Linear Feet)	73,100	
Total Force Main (Linear Feet)	3,700	

Facilities	2050 Wastewater Demand		
Total Sabine County			
Total Number of Connections	3,098		
Total Number of Plants	47		
Total Plant Capacity (mgd)	0.61		
Total Collection Lines (Linear Feet)	476,295		
Total Force Main (Linear Feet)	70,600		

SECTION 7 – RECOMMENDED REGIONAL WATER IMPROVEMENTS

The basic infrastructure exists today to provide significant regionalization of water supply to Sabine County. Approximately 65 percent of the total number of water connections studied as part of this report are supplied water from the G-M WSC system or from the City of Hemphill. Although the two systems are managed independently, the infrastructure is basically connected. G-M WSC currently purchases all of its water supply from the City of Hemphill. Hemphill operates the surface water treatment plant owned by the SRA. Therefore, these two systems currently provide water to a significant portion of the region.

Significant regionalization of water service could also be achieved in the southern portion of the county through the interconnection of the Beechwood WSC and South Sabine WSC systems. These two entities currently serve approximately 25 percent of the total number of water connections studied as part of this report. South Sabine is currently providing 100 percent groundwater to their service area. Beechwood WSC is a 100 percent surface water system. The two systems, due to their close proximity, could be readily interconnected to provide the total service area either treated surface water or a combination of treated surface water and groundwater. Regionalization of these two entities would also address Region I plans of reducing groundwater dependence in favor of surface water supplies in the region.

As stated previously, the basic infrastructure currently exists to provide significant regionalization of water supply in Sabine County. However, due to capacity deficiencies associated with the existing infrastructure, current water needs are not adequately met, and no capacity for growth is available. The expansion and improvement of both the SRA/City of Hemphill and Beechwood WSC surface water treatment plants are crucial components of proposed regionalization. In addition, significant improvements to existing distribution facilities (i.e., water lines, tanks, pumps) will also be required to adequately deliver water to the county throughout the 50-year planning period. *Appendix C* provides the PIPE2000 computer model input and output files for each model developed as part of this analysis.

The population of Sabine County is widely dispersed throughout the County boundary. Clusters of dense population exist in the vicinity of the City of Hamphill, City of Pineland, and multiple areas along Toledo Bend Reservoir in individual subdivisions. Because of the wide dispersion of population and the

significant percentage of the population currently served by the G-M WSC distribution system, the lack of a looped distribution system for much of the County is inherent. G-M WSC currently serves many areas of the County through a single transmission line to each population cluster. As a result, the system has several dead-end lines, which are potentially of concern for solids accumulation and stagnation problems.

Along with the infrastructure improvements detailed in this report, a program of identifying problem areas associated with dead-end lines should also be initiated. Water improvements required to develop a fully looped distribution system throughout Sabine County would be cost prohibitive and therefore are not addressed in this report. It is recommended, however, that during implementation of this plan, a program be initiated to identify problem areas and that recommendations be developed at that time to either address the problems through increased operation and maintenance activities (i.e., flushing) or through additional infrastructure (i.e., looped system, chlorinators, etc.).

CITY OF HEMPHILL

Water Supply and Treatment Improvements

The TNRCC has established that a treated water supply of at least 0.60 gpm per connection be provided to meet peak day water demands. The total combined number of connections for the City of Hemphill and G-M WSC is currently 3,403. Based on this criteria, the SRA/City of Hemphill surface water treatment plant should provide at least 2,042 gpm or 2.94 mgd treatment capacity. The existing capacity of the SRA surface water treatment plant is approximately 2.30 mgd. The total projected combined number of connections in 2050 for Hemphill and G-M WSC is 4,610. Based on the TNRCC criteria, the SRA surface water treatment plant would be required to treat 3.98 mgd in the year 2050. Based on the above criteria and projections, the existing treatment capacity of the SRA surface water treatment plant is inadequate to meet TNRCC criteria based on the existing and projected number of connections.

A capacity expansion at the SRA/City of Hemphill surface water treatment plant of 1.68 mgd would meet the projected water demands of the City of Hemphill and G-M WSC for the next 50 years. As

discussed in previous sections of this report, the City of Pineland is currently being served solely by one groundwater well. A second well is currently being constructed and is expected to be in operation by the end of this year (2001). Based on projected water demands, the City of Pineland appears to have adequate water supplies to meet demands for the 50-year planning period. However, as part of this regional planning study, it is proposed that an interconnection between G-M WSC distribution systems and the City of Pineland be established. This would provide the City of Pineland a back-up water supply in the event a water well is temporarily or permanently out of service. For the purpose of this study, it was assumed that the SRA/City of Hemphill water treatment plant would be capable of providing at least one-half of the total water supply to the City of Pineland. This would provide the City of Pineland with a backup water supply in the event of failure of one of its wells. Therefore, the SRA/City of Hemphill would be required to provide an additional expansion of approximately 0.45 mgd or a total of 2.13 mgd over the 50-year planning period to meet this supply.

For purposes of this study and for the development of the economic model for regionalization, it was assumed that this plant expansion would be conducted in two phases. The first plant expansion (Phase 1) would take place in the near term (between 2005 and 2010) to meet projected water supply needs for the first 30 years of the planning period. The next phase of capacity expansion (Phase 2) would take place later (between 2025 and 2030) to meet projected water supply needs through the year 2050. Phase 1 plant expansion would provide approximately 1.67 mgd of treatment capacity by the year 2010, and Phase 2 would provide an additional 0.42 mgd of treatment capacity by the year 2030 for a total plant expansion of 2.13 mgd over the 50-year planning period. This treatment plant expansion would adequately address the water supply needs of the City of Hemphill, G-M WSC, as well as provide a back-up supply to the City of Pineland.

The City of Hemphill's current contract with the SRA for raw water supply is 1,842 acre-feet per year. The current contract expires December 31, 2020. It is assumed for purposes of this study that this contract will be renewed throughout the 50-year planning period. Based on monthly operating reports provided by the planning participants, the total current average water use for the City of

Hemphill and G-M WSC is approximately 1,018 acre-feet per year. The total water use for the City of Pineland is approximately 249 acre-feet per year. The current contract amount of 1,842 acre feet per year should provide adequate water supply to meet projected demands for the City of Hemphill, G-M WSC, and one-half of the projected demand for the City of Pineland for the planning period.

Water Distribution System Improvements

Based on the previously discussed engineering criteria for distribution systems, improvements to the distribution system for City of Hemphill are also recommended. *Table 7.1* provides a summary of recommended improvements to the water distribution system for the City of Hemphill to meet both immediate and long-term needs and to satisfy state standards. For purposes of this study and for the development of the economic model for regionalization, improvements to the existing distribution system are proposed for implementation in two phases. The first phase (Phase 1), implemented between 2005 and 2010, will address deficiencies in the current system under existing water demands (i.e., pressure, velocity, headloss) identified during water system modeling. The second phase (Phase 2) will be implemented between 2025 and 2030 to address deficiencies identified under 2050 water demands. *Exhibit 7-1* and *Exhibit 7-2* provide the location of proposed distribution system improvements for the City of Hemphill for Phase 1 and Phase 2, respectively.

Table 7.1
Water Distribution System Improvements for the City of Hemphill

Phase 1 Recommended Pipe Improvements				
Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)	
P-109	8	10	325	
P-110	8	10	909	
P-114	2	6	434	
P-120	2	6	328	
P-122	6	8	255	
P-124	10	18	11	
P-125	10	12	6	
P-126	6	8	350	
P-147	1.5	2	724	
P-152	6	8	1,248	
P-153	6	8	1,423	
P-154	4	6	804	
P-155	4	6	1,664	
P-156	2	3	956	
P-16	6	10	154	
P-161	2	4	249	
P-166	2	3	228	
P-20	2	4	512	
P-206	10	18	8	
P-209	10	12	5	
P-21	10	18	190	
P-210	10	12	10	
P-211	10	12	5	
P-212	10	12	11	
P-213	10	12	5	
P-22	10	18	71	
P-24	6	10	3,143	
P-28	2	4	2,793	
P-29	2	3	160	
P-33	2.5	4	1,608	
P-34	1.5	3	387	
P-46	2	4	3,673	
P-59	6	8	242	
P-71	2	3	1,179	
			592	

Phase 2 Recommended Pipe Improvements			
Pipe ID	Original Diameter	Revised Diameter	Length (ft.)
	(in.)	(in.)	(100)
P-10	6	8	255
P-102	2	3	846
P-104	2	3	559
P-105	8	10	1,309
P-106	8	10	214
P-109	10	12	325
P-110	10	12	909
P-112	8	12	461
P-120	6	8	328
P-121	6	8	560
P-122	8	12	255
P-123	6	10	248
P-124	18	22	11
P-125	12	14	6
P-127	6	8	270
P-128	6	10	243
P-129	6	10	339
P-132	2	4	351
P-133	2	4	352
P-136	1.5	2	621
P-142	2	3	1,388
P-147	2	3	724
P-149	1.5	3	780
P-151	1.5	3	51
P-153	8	10	1,423
P-164	8	10	869
P-168	8	10	122
P-169	6	8	453
P-173	6	8	1,844
P-174	6	12	203
P-175	2	12	982
P-182	6	10	473
P-184	6	10	2,165
P-204	2	6	561
P-206	18	22	8

Phase 1 Recommended Pipe Improvements						
Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)			
P-76	8	12	368			
P-89	2	4	770			
P-92	2	4	585			
P-93	2	4	559			
P-94	2	4	341			
P-95	1.5	3	1,494			

Phase 2 Recommended Pipe Improvements					
Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)		
P-209	12	14	5		
P-210	12	14	10		
P-211	12	14	5		
P-212	12	14	11		
P-213	12	14	5		
P-22	18	20	71		
P-44	2	6	197		
P-51	2.5	6	1,184		
P-51	2.5	6	1,184		
P-55	6	8	62		
P-59	8	10	242		
P-62	6	8	2,855		
P-64	2	3	2,919		
P-65	6	8	182		
P-70	2	3	805		
P-72	2 2	3	718		
P-73		3	200		
P-75	8	12	592		
P-76	12	16	368		
P-77	6	8	76		
P-78	6	8	83		
P-79	6	8	31		
P-8	6	8	607		
P-9	2	3	387		
P-99	2	3	981		

A fire flow analysis was also performed on the Hemphill distribution system for residential and commercial fire flow demands. This analysis assumed 3,000 gpm for a commercial fire and 1,500 gpm for a residential fire. TNRCC requires that systems be capable of maintaining system pressures of at least 20 psi while providing the average day demand plus fire flows as appropriate. For this analysis, improvements were made to the distribution system in order to maintain system pressures at or above 20 psi, headlosses less than 10 feet per 1,000 feet, and velocities less than 10 fps.

For purposes of this analysis, it was assumed that improvements identified in *Table 7.1* for Phase 1 were made prior to assessing fire flows. Two separate residential fires were modeled in order to evaluate the system for a fire in the northern part of the city and one in the south. These analyses show that in order to provide fire protection, water line diameters would need to be increased for main supply lines as well as lines in the area of the modeled flow. *Table 7.3* compares the existing system to the three different fires evaluated and summarizes the number of lines required to be improved in order to meet fire flow criteria. *Exhibit 7-3* provides the location of proposed distribution system improvements for the City of Hemphill under fire flow conditions.

Table 7.2
Distributions System Improvements for Fire Protection for City of Hemphill

		Scenario				
		Resid	lential	Commercial		
		Fire 1	Fire 2	Fire		
Pipe ID	Initial Diameter	Revised Diameter				
P-105	8	12	8	8		
P-106	8	12	8	8		
P-107	8	12	8	8		
P-109	10	12	10	10		
P-11	2	4	4	10		
P-110	10	12	10	10		
P-112	8	12	8	8		
P-113	12	12	12	12		
P-114	6	8	6	6		
P-116	6	8	6	6		
P-12	6	6	6	10		
P-120	6	8	6	6		
P-121	6	8	6	6		
P-122	8	8	8	12		
P-126	8	8	8	12		
P-127	6	6	6	12		
P-152	8	10	8	8		
P-16	10	10	10	12		
P-164	8	12	8	8		
P-168	8	12	8	8		
P-169	6	10	6	6		
P-173	6	10	6	6		

		_	Scenar	io		
		Resid	lential	Commercial Fire		
m.		Fire 1	Fire 2			
Pipe	Initial	D 1 1D1				
ID	Diameter	Revised Diameter				
P-174	6	10	6	6		
P-175	6	10	6	6		
P-176	6	8	6	6		
P-178	2	4	2	2		
P-214	6	6	8	6		
P-23	6	6	6	12		
P-232	6	6	6	8		
P-238	6	6	6	8		
P-24	10	10	10	12		
P-41	6	6	6	8		
P-42	6	6	6	8		
P-44	2	2	2	8		
P-47	6	6	6	8		
P-48	6	6	6	8		
P-55	6	6	10	6		
P-59	8	8	10	8		
P-60	6	8	6	6		
P-62	6	6	10	6		
P-65	6	6	8	6		
P-65-1	6	6	8	6		
P-75	8	10	12	8		
P-76	12	14	14	14		

Based on this analysis, approximately 8,754 feet of 8-inch water line, 8,428 feet of 10-inch water line, and 11,514 feet of 12-inch water line would need to be constructed in order to meet criteria for fire protection in the City of Hemphill. For purposes of this study and for the development of the economic model for regionalization, the improvements required to address fire protection for the City of Hemphill were assumed to take place during the initial phase (Phase 1) of implementation.

CITY OF PINELAND

Water Supply and Treatment Improvements

As discussed previously, the City of Pineland's sole water supply is provided by a single water well with a production capacity of approximately 400 gpm is expected to be in service by end of this year (2001). The City of Pineland currently serves 377 water connections and is projected to serve 521 connections by the year 2050. Based on TNRCC criteria for water supply, a water supply facility of at least 226 gpm and 313 gpm should be provided by the City of Pineland to meet existing and projected 2050 water supply requirements, respectively. The production capacity of the City of Pineland water well exceeds these requirements. Therefore, improvements to water supply capacity for the City of Pineland do not appear to be needed. It should be noted, however, that well capacity tends to diminish with well age and with clogging of well screens or sands. Maintenance of the wells will be required to maintain the necessary capacity for present and future needs.

In addition, it is recommended that the City of Pineland consider potential back-up water supplies for their system. Based on Region I recommendations to limit future growth of groundwater supply and rely more heavily on surface water supplies and on the potential for losing supply from a water well either temporarily of permanently, it is recommended that an interconnection be provided between the G-M WSC system and the City of Pineland. This interconnection could provide a back-up water supply for the City of Pineland to meet water demands during service interruptions associated with existing wells. In addition, the City of Pineland could also utilize this interconnection to provide the average daily demand in their system, while utilizing their water wells to meet peak daily and hourly conditions. By operating in this manner, the City of Pineland could ensure an adequate and redundant water supply over the 50-year planning period.

Water Distribution System Improvements

Based on the previously discussed engineering criteria for distribution systems, improvements to the distribution system are also recommended. *Table 7.3* provides a summary of recommended

improvements to the water distribution system for the City of Pineland to meet both immediate and long-term needs and to satisfy state standards. For purposes of this study and for the development of the economic model for regionalization, improvements to the existing distribution system are proposed for implementation in two phases. The first phase (Phase 1), implemented between 2005 and 2010, will address deficiencies in the current system under existing water demands (i.e., pressure, velocity, headloss) identified during water system modeling. The second phase (Phase 2) will be implemented between 2025 and 2030 to address deficiencies identified under 2050 water demands. *Exhibit 7-4* and *Exhibit 7-5* provide the location of proposed distribution system improvements for the City of Pineland for Phase 1 and Phase 2, respectively.

Table 7.3
Water Distribution System Improvements for City of Pineland

Phase 1 Recommended Pipe Improvements					
Pipe ID	Original Diameter (in.)	Length (ft.)			
P-62	1.5	3	248		
P-86	1.5	3	96		
P-96	2	3	395		
P-117	1.5	3	203		

Phase 2 Recommended Pipe Improvements						
Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)			
P-102	2	4	230			
P-103	2	4	417			
P-47	1.5	2	444			
P-50	1.5	2	397			
P-63	8	10	306			
P-69	2	3	620			
P-71	2	3	437			
P-81	2	3	310			
P-85	2	3	143			
P-94	8	10	336			
P-95	1.5	2	263			
P-96	3	4	395			
P-97	2	4	565			

A fire flow analysis was also performed on the Pineland distribution system for residential and commercial fire flow demands. This analysis assumed 3,000 gpm for a commercial fire and 1,500 gpm for a residential fire. TNRCC requires that systems be capable of maintaining system pressures

of at least 20 psi while providing the average day demand plus fire flow, as appropriate. For this analysis, improvements were made to the distribution system in order to maintain system pressures at or above 20 psi, headlosses less than 10 feet per 1,000 feet, and velocities less than 10 fps.

For purposes of this analysis, it was assumed that improvements identified in Table 7.3 for Phase 1 were made prior to assessing fire flows. These analyses show that in order to provide fire protection, water line diameters would need to be increased for main supply lines as well as lines in the area of the modeled flow. Table 7.4 compares the existing system to the two different fires and summarizes the number of lines required to be improved in order to meet fire flow criteria. Exhibit 7-6 provides the location of proposed distribution system improvements for the City of Pineland under fire flow conditions.

Table 7.4 Distribution System Improvements for Fire Protection for City of Pineland

		Scenario			Scenario		
Pipe ID	Initial Diameter	Residential Fire	Commercial Fire	Pipe ID	Initial Diameter	Residential Fire	Commercial Fire
P-103	2	2	4	P-33	4	6	4
P-104	3	3	6	P-40	6	6	14
P-105	2	2	4	P-43	4	4	8
P-11	4	8	4	P-51	4	4	8
P-111	10	10	14	P-63	8	8	14
P-12	4	6	4	P-65	3	3	4
P-122	8	10	8	P-7	4	6	4
P-13	4	8	4	P-70	8	8	14
P-137	4	10	4	P-72	8	8	14
P-23	3	3	6	P-73	8	8	14
P-25	6	6	8	P-75	6	6	8
P-28	4	8	4	P-78	3	3	6
P-29	4	8	4	P-87	3	3	4
P-30	4	8	4	P-94	8	8	14
P-31	8	10	8	P-96	3	3	6
P-32	6	10	6	P-97	2	2	4

Based on this analysis, approximately 8,449 feet of 8-inch water line, 4,330 feet of 10-inch water line, and 4,589 feet of 14-inch water line would need to be constructed in order to meet criteria for fire protection in the City of Pineland. For purposes of this study and for the development of the economic model for regionalization, the improvements required to address fire protection for the City of Pineland were assumed to take place during the initial phase (Phase 1) of implementation.

G-M WATER SUPPLY CORPORATION

Water Supply and Treatment Improvements

G-M WSC currently receives all of their water supply from the SRA surface water treatment plant, through a water supply contract with the City of Hemphill. It was assumed, for purposes of this study and for the development of the economic model for regionalization, that this relationship would continue throughout the 50-year planning period. Proposed regional water supply improvements for the G-M WSC system were previously addressed in discussions relating to proposed improvements for the City of Hemphill. Approximately 75 percent of the total treatment capacity of the SRA surface water treatment plant will be dedicated to meet the water demands associated with the G-M WSC system.

Water Storage Improvements

An analysis was conducted to assess the adequacy of existing storage facilities for the G-M WSC system. The G-M WSC system consists of 12 water storage facilities throughout the county. Two of these facilities are elevated storage tanks in the City of Hemphill and Bronson. G-M WSC also operates five standpipe facilities and five ground storage tank facilities in their system. The TNRCC recommends that for water systems with more than 2,500 connections, a total elevated storage capacity of 100 gallons per connection be provided. G-M WSC currently has a total of 2,744 connections in their system. However, based on the water model for the G-M WSC system, it appears that the G-M WSC distribution system is not completely connected and is rather made up of two or more separate distribution systems. For this reason, it was assumed that the G-M WSC would

not be required to meet the TNRCC requirements for elevated storage as long as adequate service pump and total storage capacities were met.

Based on the water model developed for the G-M WSC system, an estimate was made of the number of connections served by individual water storage facilities in the G-M WSC system. A comparison was then made of existing storage capacity to required storage capacity, as per TNRCC minimum criteria for storage. The TNRCC criteria of 200 gallons per connection was used to assess the adequacy of ground storage and standpipe facilities in the G-M WSC system while the TNRCC criteria of 100 gallons per connection was used to assess the adequacy of elevated storage facilities in Hemphill and Bronson. A portion of the total storage volume in standpipe plants may actually be dedicated to maintaining system pressures for some connections in the G-M WSC system.

Therefore, this methodology is somewhat conservative because it applies the TNRCC requirement of 200 gallons per connection to all the standpipe facilities. For that portion of storage in standpipe facilities that can be utilized to maintain system pressure on connections served by that tank, the TNRCC requirement of 100 gallons per connection could be used. However, for purposes of this study and for the development of a methodology of identifying potential storage deficiencies and planning for future improvements, this conservative approach is prudent. *Table 7.5* provides a summary of storage requirements and identified deficiencies in the G-M WSC system.

Table 7.5
Summary of Water Storage Requirements for G-M WSC

		Current	Connections		Required Capacity (Gallons)	
Tank	Tank Type	Capacity (Gallons)	Year 2001	Year 2050	Year 2001	Year 2050
Crossroads Tank	Ground Storage	50,000	241	326	48,200	65,200
Hwy 184 West	Ground Storage	50,000	229	309	45,800	61,800
Mid-Lake	Standpipe	50,000	312	422	62,400	84,400
Hwy 83 East	Standpipe	75,000	498	673	99,600	134,600
McMahan	Ground Storage	40,000	75	101	15,000	20,200
Tebo	Ground Storage	30,000	68	92	13,600	18,400
Red Hill	Standpipe	50,000	431	582	86,200	116,400
Jim Nethery	Ground Storage	42,000	193	261	38,600	52,200
FM 330	Standpipe	20,000	17	23	3,400	4,600
Bronson	Elevated	30,000	165	223	16,500	22,300
CL&M	Standpipe	77,000	345	465	69,000	93,000
Hemphill EST ⁽¹⁾	Elevated	34,100	170	230	17,000	23,000
Totals		548,100	2,744	3,707	515,300	696,100

⁽¹⁾ Capacity noted for Hemphill EST does not include the portion of storage dedicated to City of Hemphill system. Total capacity of Hemphill EST is 100,000 gallons.

Review of *Table 7.5* indicates that the existing total storage in the G-M WSC system is 548,100 gallons. The total storage required currently per TNRCC criteria is 515,300 gallons. However, further review of *Table 7.5* indicates that while the total storage may be adequate, some areas appear to be deficient based on the analysis performed and described above. A comparison of existing storage capacity versus required storage capacity on a facility-by-facility basis results in the identification of an existing storage shortage of 73,200 gallons. In addition, based on projected needs, this shortage is increased to 198,400 by the year 2050.

Based on these results, it is recommended that the G-M WSC system increase their existing storage facilities by 100,000 gallons in the initial implementation phase (Phase 1) and an additional increase of 100,000 gallons by the year 2030 (Phase 2).

Water Distribution System Improvements

Based on the previously discussed engineering criteria for distribution systems, improvements to the distribution system are also recommended. *Tables 7.6* and 7.7 provides a summary of recommended improvements to the water distribution system for G-M WSC to meet both immediate and long-term needs, respectively, and to satisfy state standards. For purposes of this study and for the development of the economic model for regionalization, improvements to the existing distribution system are proposed for implementation in two phases. The first phase (Phase 1), implemented between 2005 and 2010, will address deficiencies in the current system under existing water demands (i.e., pressure, velocity, headloss) identified during water system modeling. The second phase (Phase 2) will be implemented between 2025 and 2030 to address deficiencies identified under 2050 water demands. *Exhibit 7-7* and *Exhibit 7-8* provide the location of proposed distribution system improvements for the G-M Water Supply Corporation for Phase 1 and Phase 2, respectively.

Table 7.6
Phase 1 Recommended Pipe Improvements for G-M WSC

70 120	4		
120		6	2,178
120	3	6	1,193
121	3	6	372
121 122 123 124 194	3	6	188
123	3	6	2,458
124	3	6	1,907
194	2	6	242
195	3 _	6	216
196	3	6	416
197	3	6	431
198	3 2 3 3 3 3 3	6	286_
199		6	1,100
_200	3	6	387
201	3	4	2,341
202	3	4	110
203	3	4	4,650
<u>20</u> 7	3	4_	830
465	1	1.5	1,405
601	_2	4	30
<u>633</u>	2	4	50
711	1	1.5	60
<u> 717 </u>	1.5	3	100
882	2	3	5,062
1090	2 2 2	4	<u>1,751</u>
<u> 1091</u>	2	4	200
<u> 1092</u>	2	4	50
1093	22	4	300
1094		4	856
1101	2	_4	1,988
1102	2	4	520
<u>1103</u>	2	4	4,443
<u>1104</u>	2	4	45
1124	11	2	81
1125	1	2 2 2 2 6 8	306
_1126	11	2	100
1129	11	2	186_
1157	6	_6	96
1168		8	1,715
1174 1175	6	<u>8</u> 8	2,766 1,236

Pipe ID	Original Dia. (in.)	Revised Dia. (in.)	Length (ft.)
1686	6	8	241
1687	6	8	111
1688	6	8	2,275
1689	6	8	1,678
1690	6	8	_80
1692	6	8	597
1693	6	8	344
1694	6	8	51
1764	6	8	2,574
1765	6	8	144
1766	6	8	840
1781	6	8	410
1782	6	8	257
1783	_6	8	591
2226	4	6	2,293
2227	4	6	203
2228	4	6	446
2229	4	6	136
2233	4	6	160
2244	4	6	470
2249	4	6	333
2250	4	6	198
2251	3	4	1,808
2341	3 3 3 3 3 3 3 3	6	1,760
2342	3	6	27
2343	3	6	73
2344	3	6	100
2345	3	6	845
2346	3	6	110
2347	3	6	88
2348	3	6	115
2349	3	6	10
2410	2	4	229
2433	2	4	321
2435	2 2 2 2 2 2 2	4	358
2436	2	4	<u>1</u> 57
2437	2	4 4 4 4	173
2438	2	4	174
2439	2	4	547
2477	8	10	120

Pipe ID	Original Dia. (in.)	Revised Dia. (in.)	Length (ft.)
1176	6	8	2,090
1177	6	8	607
1178	6	8	364
1179	6_	8	2,404
1180	6	8	282
1181	6	8	1,350
1182	3	4	3,930
1183	3	4	2,968
1184	3_	4	252
1189	2	3	4,608
1190	2	3	1,527
1196	2	3	878
1211	6_	8	176
1212	6	8	154
1221	6	<u>8</u> 8	851
1226	2	3	82
1227	2	3	4,080
1243	2	4	118
1247	2	4	85
1258	2 2 2 2	4	300
1266	2	4	43
1278	_6	8	102
1279	6	8	30
1280	6_	8	815
1281	6	8	331
1282	6	8	515
1283	6_	8	110
1284	_6	8	649
1285	6	8	494
1286	6	8	2,179
1296	6	8 _	_ 231
1297	6_	8	1,204
1298	6	8	73
1341	4	6	1,758
1353	4_	6	35
1354	4_	6	84
1355	4_	6_	371
1356	4	6	230
1357	4	6	144
1358	4	6	222
1369	4	6	816
1370	4_	6_	1,054
1371	4	6	209

Pipe ID	Original Dia. (in.)	Revised Dia. (in.)	Length (ft.)
2480	3	4	4,842
2486	3	4	553
2487	8	10_	289
2488	8	10	2,240
2510	2.5	4	84
2511_	2.5	4	73
2512	2.5	4	1,141
2513	2.5	4	305
2514	2.5	4	1,021
_2530	8	12	54
2531	8	12	1,970
2536	8	12	1,928
2538	8	12	3,707
2539	8	12	446
2540	8	12	808
2541	8	12	5,270
2542	8	12	75
2543	8	12	77
2544	8	12	482
2545	8 8	12_ 12	70 537
2547 2548	8	12	291
2549	8	12	55
2552	8	10	737
2553	8	10	179
2556	8	10_	143
2557	8	10	498
2561	8	10	966
2562	8	10	77
2584	8	10	178
2585	8	10	149
2590	8	10	146
2591	8	10	133
2592	8	10	170
2593	8	10	452
2600	8	10	1,196
2601	8	10	1,228
2602	6	12	316
2603_	6	8	15,166
2605	6	12	262
2613	3	4	561
2615	3	8	8,584
2616	2	4	1,839

Pipe ID	Original Dia. (in.)	Revised Dia. (in.)	Length (ft.)
1372	4	6	1,951
1373	4	6	261
1374	3	3	97
1375	4	6	521
1387	4	6	448
1389	4	6	508
1394	4	6	13
1395	4	6	227
1396	4	6	98
1398	4	6	110
1399	4	6	231
1401	4	6	280
1402	4	6	100
1403	4	6	192
1404	4	6	178
1405	4	6	33
1406	44	6	94
1410	4	6	76
1415	3	4	201
1423	3	4	26
1493	2 3	4	53
1589		4	156
1604	2	4	482
1618	4	6	2,624
1658	3	4	139
1659	3	4	131
1685	6	8	1,241

Pipe ID	Original Dia. (in.)	Revised Dia. (in.)	Length (ft.)
2673	4	6	1,000
2694	4	6	100
2695	4	6	100
2718	3 4	6	10
2726	4	6	500
2727	4	6	160
2728	4	6	80
2729	4	6	110
2730 2733	4	6	50
2733	4	6	10
2734	44	6	50
2735	4	6	60
2736	4	6	300
2739	3	4	10
2747	3	4	100
2781	2	<u>4</u> 6	120
2782	2	6	50
2782 2783	4 3 3 2 2 2 2 3 2 6	4	720
2784	3	4	650
2813	2	4	150
_2904	6	12	1,442
P-1295	3	6	3,396
P-2614	3	6	10
P-2915		4	2,330
P-2945	- 8	10	37
P-520	1.5	2	346
P-88	3	6	1,293

Table 7.7
Phase 2 Recommended Pipe Improvements for G-M WSC

Pipe ID	Original Dia. (in.)	Revised Dia. (in.)	Length (ft.)
1408	3	6	186
1411	3	6	83
1413	3	6	48
1414	3	66	39
1415	4	6	201
1416	3	6	310
1417	3	6	23
1418	3	6	174
1419	3	6	174
1420	3	6	228
1421	3	6	150
1422	3	6	64
1427	3	6	256
2147	6	8	1,355
2148	6	8	1.201
2157	6	8	5.510
2158	6	8	332
2159	6	8	407
2160	6	88	2.095
2161	6	8	282

Pipe ID	Original Dia. (in.)	Revised Dia. (in.)	Length (ft.)
2162	6	8	547
2163	6	8	356
2164	6	8	432
2166	6	8	178
2168	6	8	519
2169	_6	8	130
2490	8	10	813
2494	_ 8	10	3,189
2495	8	10	232
2496	8	10	489
2499	8	10	198
2500	_8	10	100
2501	_8	10	206
2502	8	10	615
2504	8	10	131
2505	8	10	15
2506	_8	10	130
2507	-8	10	26
2508	8	10	<u>8</u> 36

For purposes of this study, it was assumed that only the incorporated municipalities in Sabine County (i.e., City of Hemphill and City of Pineland) would reasonably be able to provide a systematic means for fire protection. The unincorporated areas would continue to provide fire protection through a volunteer fire department. G-M WSC provides water service to individual homeowners in subdivisions primarily in the unincorporated areas of the county. Therefore, no fire flow analysis was performed for the G-M WSC distribution system.

BEECHWOOD WATER SUPPLY CORPORATION

Water Supply and Treatment Improvements

The TNRCC has established that a treated water supply of at least 0.60 gpm per connection be provided to meet peak day water demands. The total combined number of connections for Beechwood WSC is 470. Based on this criteria, the Beechwood WSC surface water treatment plant should provide at least 282 gpm or 0.41 mgd treatment capacity. The existing treatment capacity of the Beechwood WSC surface water treatment plant is approximately 0.22 mgd. The total projected number of connections for Beechwood WSC in 2050 is 634.

Based on the TNRCC criteria, the Beechwood WSC surface water treatment plant would be required to treat 0.55 mgd in the year 2050. Based on the above criteria and projections, the existing treatment capacity of the Beechwood WSC surface water treatment plant is inadequate to meet current or projected water demands. In addition, due to the age and condition of the existing water treatment facilities, a complete replacement of the facilities is recommended. Therefore, for purposes of this analysis, it is assumed that all of the current and projected water demand for Beechwood WSC will be met through new water treatment facilities.

A new Beechwood WSC surface water treatment plant with a total capacity of 0.55 mgd would meet the projected water demands of Beechwood WSC for the next 50 years. As discussed in later sections of this report, South Sabine WSC is currently being served solely by two groundwater wells. South Sabine WSC distribution systems are located adjacent to the Beechwood WSC system. Based on projected water demands, South Sabine WSC appears not to have adequate water supplies to meet the TNRCC requirements based on the existing number of connections. Furthermore, based on projected growth rates, the South Sabine WSC existing production capacity will not meet the TNRCC requirements in the year 2050.

As part of this regional planning study, it is proposed that an interconnection between Beechwood WSC distribution systems and South Sabine WSC be established. This would provide South Sabine WSC a back-up water supply in the event a water well is temporarily or permanently out of service.

For this study, it was assumed that the new Beechwood WSC water treatment plant should be capable of providing at a minimum adequate treatment capacity to meet all future growth of the South Sabine WSC. Therefore, the Beechwood WSC treatment plant would be required to provide an additional expansion of approximately 0.48 mgd or a total of 1.03 mgd over the 50-year planning period to meet this supply.

Expansion to the treatment plant was assumed to be conducted in two phases in order to develop the economic model for regionalization. The first plant expansion (Phase 1) would take place between 2005 and 2010 to meet projected water supply needs for the first 30 years of the planning period. Phase 2 of capacity expansion would take place between 2025 and 2030 to meet projected water supply needs through the year 2050. Phase 1 plant expansion would provide approximately 0.87 mgd of treatment capacity in the year 2005, and Phase 2 would provide an additional 0.16 mgd of treatment capacity in the year 2030 for a total plant expansion of 1.03 mgd over the 50-year planning period. This treatment plant expansion would adequately address the water supply needs of the Beechwood WSC, as well as provide a back-up and future growth water supply to the South Sabine WSC.

The Beechwood WSC current contract with the SRA for raw water supply is currently on a month-to-month basis. It is assumed for purposes of this study that a contract will be established throughout the 50-year planning period. Based on monthly operating reports provided by the planning participants, the total current average water use for Beechwood WSC is approximately 81-acre-feet per year with a projected usage of approximately 109 acre-feet per year over the 50-year planning period. The total water use for the South Sabine WSC is approximately 83 acre-feet per year with a projected usage of approximately 112 acre-feet per year over the 50-year planning period. The future contract amount should provide adequate water supply to meet projected demands for Beechwood WSC and all of the projected growth in water demand for South Sabine WSC. For purposes of this study, it is assumed that a supply contract with the SRA will be established to provide approximately 120 acre-feet per year over the planning period.

Water Distribution System Improvements

Based on the previously discussed engineering criteria for distribution systems, improvements to the distribution system are also recommended. *Tables 7.8* and 7.9 provide a summary of recommended improvements to the water distribution systems for Beechwood WSC and South Sabine WSC, assuming the interconnection of systems described above, to meet both immediate and long-term needs, respectively, and to satisfy state standards. For purposes of this study and for the development of the economic model for regionalization, improvements to the existing distribution system are proposed for implementation in two phases. The first phase (Phase 1), implemented between 2005 and 2010, will address deficiencies in the current system under existing water demands (i.e., pressure, velocity, headloss) identified during water system modeling. The second phase (Phase 2) will be implemented between 2025 and 2030 to address deficiencies identified under 2050 water demands. *Exhibit 7-9* and *Exhibit 7-10* provide the location proposed distribution system improvements for the Beechwood Water Supply Corporation for Phase 1 and Phase 2, respectively.

Table 7.8

Phase 1 Recommended Pipe Improvements for Beechwood WSC

Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)
P-137	4	6	1,446
P-138	4	8	40
P-139	4	8	40
P-140	4	8	40
P-142	6	8	30
P-17	4	6	77
P-18	4	6	228
P-29	4	6	104
P-51	4	6	500
P-52	4	6	40
P-53	6	8	30
P-57	6	8	30
P-62	4	6	256
P-63	6	8	30
P-65	4	6	197
P-66	4	6	1,140
P-68	6	10	50
P-90	3	4	188
P-93	2	6	562
P-95	2	6	838

Table 7.9
Phase 2 Recommended Pipe Improvements for Beechwood WSC

Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)
P-1	3	4	280
P-104	4	6	384
P-105	4	6	387
P-120	2	3	436
P-123	2	4	354
P-137	6	8	1,446
P-143	4	6	227
P-17	6	8	77
P-18	6	8	228
P-35	1	2	103
P-49	4	6	270
P-54	4	6	206
P-62	6	8	256
P-65	6	8	197
P-66	6	8	1,140
P-90	4	6	188
P-92	3	4	300
P-94	2	3	500
P-97	2	4	101
P-98	2	4	2,217

For purposes of this study, it was assumed that only the incorporated municipalities in Sabine County (i.e., City of Hemphill and City of Pineland) could reasonably provide a systematic means for fire protection. The unincorporated areas would continue to provide fire protection through a volunteer fire department. Beechwood WSC and South Sabine WSC provide water service to individual homeowners in subdivisions primarily in the unincorporated areas of the county. Therefore, no fire flow analysis was performed for the Beechwood WSC or South Sabine WSC distribution systems.

SOUTH SABINE WATER SUPPLY CORPORATION

Water Supply and Treatment Improvements

As discussed previously, the South Sabine WSC sole water supply is provided by two water wells with a combined capacity of 270 gpm. South Sabine WSC currently serves 770 water connections and is projected to serve 1040 connections by the year 2050. Based on TNRCC criteria for water supply, a water supply facility of at least 462 gpm and 624 gpm should be provided by South Sabine WSC to meet existing and projected 2050 water supply requirements, respectively. The combined capacity of the South Sabine WSC water wells is inadequate to meet existing and future requirements. Therefore, expansion of the existing water supply capacity for South Sabine WSC appears to be required.

As discussed in the section above summarizing improvements for Beechwood WSC, it is recommended that an interconnection be established between the South Sabine WSC and Beechwood WSC distribution systems. This is based on Region I recommendations to limit the future growth of groundwater supply and to rely more heavily on surface water supplies and on the potential for losing supply from a water well either temporarily of permanently in the future. This interconnection could provide a back-up water supply for South Sabine WSC to meet water demands during service interruptions associated with their existing wells. In addition, South Sabine WSC could also utilize this interconnection to provide the average daily demand in their system, while utilizing their water wells to meet peak daily and hourly conditions. By operating in this manner, South Sabine WSC could ensure an adequate and redundant water supply over the 50-year planning period.

If the recommended interconnection is not provided between South Sabine WSC and Beechwood WSC, then South Sabine WSC will be required to either construct another supply well or seek a treated surface water supply from another source. However, given the relatively close proximity of South Sabine WSC to the Beechwood WSC surface water treatment plant, it seems logical that surface water supplies in the southern portion of the county be provided through the Beechwood

WSC treatment plant. A new supply well capable of providing approximately 360 gpm would be required to meet TNRCC criteria by 2050, based on the projected number of connections, if the interconnection with Beechwood WSC is not implemented. Regardless of the interconnection, some improvements to the distribution system for South Sabine WSC are also required, based on the water modeling completed as part of this study.

Water Distribution System Improvements

Based on the previously discussed engineering criteria for distribution systems, improvements to the distribution system are also recommended. *Tables 7.10* and *7.11* provide a summary of recommended improvements to the water distribution system for the South Sabine WSC to meet both immediate and long-term needs, respectively, and to satisfy state standards. For purposes of this study and for the development of the economic model for regionalization, improvements to the existing distribution system are proposed for implementation in two phases. The first phase (Phase 1), implemented between 2005 and 2010, will address deficiencies in the current system under existing water demands (i.e., pressure, velocity, headloss) identified during water system modeling. The second phase (Phase 2) will be implemented between 2025 and 2030 to address deficiencies identified under 2050 water demands. *Exhibit 7-11* and *Exhibit 7-12* provide the location of proposed distribution system improvements for the South Sabine Water Supply Corporation for Phase 1 and Phase 2, respectively.

Table 7.10
Phase 1 Recommended Pipe Improvements for South Sabine WSC

Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)
P-1	6	12	1,100
P-102	8	14	4,540
P-103	6	8	1,350
P-111	3	6	810
P-114	3	6	310
P-12	88	10	565
P-126	3	6	295
P-128	8	10	_ 5,255
P-129	6	8	2,140
P-130	6_	8	2,835
P-14	8	10	300
P-146	6	8	2,400
P-147	6	8	3,940
P-152	3	6	250
P-153	3	6	800
P-157	4	6	480
P-158	4	6	1,210
P-162	4	6	240
P-163	4	6	575
P-167	4	6	200

Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)
P-168	4	6	215
P-169	4	6	155
P-171	4	6	920
P-172	4	6	2,100
P-24	8	12	370
P-3	8	12	2,925
P-33	8	10	275
P-37	8	10	270
P-40	8	10	285
P-41	8	10	305
P-46	8	10	2,760
P-53	1.3	12	165
P-54	3	6	400
P-64	6	8	755
P-74	6	14	6,355
P-8	8	10	280
P-88	6	8	2,910
P-95	6	14	90
P-98	6	8	1,140

Table 7.11
Phase 2 Recommended Pipe Improvements for South Sabine WSC

Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)
P-12	10	12	565
P-128	10	12	3,707
P-14	10	12	300
P-146	8	10	2,400
P-147	8	10	1,510
P-162	6	8	240
P-167	6	8	200
P-24	12	14	370
P-33	10	12	275
P-37	10	12	270

Pipe ID	Original Diameter (in.)	Revised Diameter (in.)	Length (ft.)
P-40	10	12	285
P-41	10	12	305
P-46	10	12	2,760
P-53	12	14	165
P-64	8	10	755
P-67	2	3	170
P-8	10	12	280
P-88	8	10	2,910
P-98	8	10	1,140
P-197	10	12	1,550
P-198	8	10	2,930

For purposes of this study, it was assumed that only the incorporated municipalities in Sabine County (i.e., City of Hemphill and City of Pineland) could reasonably provide a systematic means for fire protection. The unincorporated areas would continue to provide fire protection through a volunteer fire department. Beechwood WSC and South Sabine WSC provide water service to individual homeowners in subdivisions primarily in the unincorporated areas of the county. Therefore, no fire flow analysis was performed for the South Sabine WSC distribution systems.

EL CAMINO BAY WATER SUPPLY CORPORATION

Water Supply and Treatment Improvements

The TNRCC has established that a treated water supply of at least 0.60 gpm per connection be provided to meet peak day water demands. The total combined number of connections for El Camino Bay WSC is 112. Based on this criteria, the El Camino Bay WSC surface water treatment plant should provide at least 67 gpm or 0.10 mgd treatment capacity. The existing treatment capacity of the El Camino Bay WSC surface water treatment plant is approximately 0.10 mgd. Based on information provide by the participants, the El Camino Bay area is fully built

out, and no future growth is predicted. Based on the above criteria and projections, the existing treatment capacity of the El Camino Bay WSC surface water treatment plant is adequate to meet TNRCC criteria based on current estimates of connections. However, due to the condition of the existing facilities, the lack of excess treatment capacity, and the relatively small number of connections served by the facilities, it is recommended that El Camino Bay be connected to the G-M WSC distribution systems. The surface water treatment plant for El Camino Bay WSC would be decommissioned and water lines from the G-M WSC distribution system would be extended from Highway 83 to the El Camino Bay WSC distribution system.

El Camino Bay WSC is representative of several subdivisions along Toledo Bend Reservoir currently unserved or underserved that could be connected to the G-M WSC system or the Beechwood WSC/South Sabine WSC systems relatively easily. However, neither G-M WSC nor Beechwood WSC/South Sabine WSC is capable of adequately absorbing this increased demand with their existing systems. In order to add these demands to either the G-M WSC or Beechwood WSC/South Sabine WSC systems, the proposed improvements to G-M WSC and Beechwood WSC/South Sabine WSC, discussed above, would need to be accomplished.

Water Distribution System Improvements

Based on the previously discussed engineering criteria for distribution systems, improvements to the distribution system are also recommended. *Table 7.12* provides a summary of recommended improvements to the water distribution system for the El Camino Bay WSC to meet both immediate and long-term needs and to satisfy state standards. For purposes of this study and for the development of the economic model for regionalization, improvements to the existing distribution system are proposed for implementation in two phases. The first phase (Phase 1), implemented between 2005 and 2010, will address deficiencies in the current system under existing water demands (i.e., pressure, velocity, headloss) identified during water system modeling. The second phase (Phase 2) will be implemented between 2025 and 2030 to address deficiencies identified under 2050 water demands. *Exhibit 7-13* and *Exhibit 7-14* provide the location of proposed distribution system improvements for the El Camino Bay WSC for Phase 1 and Phase 2, respectively.

Table 7.12 Recommended Water System Improvements for El Camino Bay WSC

Phase 1 Recommended Pipe Improvements					
Pipe ID	Original Revised Diameter (in.) (in.)		Length (ft.)		
P-34	3	4	18		
P-35	3	4	18		
P-39	3	4	12		
P-40	3	4	13		
P-41	3	4	14		
P-42	3	4	14		
P-44	3	6	9		

Phase 2 Recommended Pipe Improvements				
Pipe ID Original Diameter (in.)		Revised Diameter (in.)	Length (ft.)	
P-1	4	6	12	
P-34	4	6	18	
P-35	4	6	18	
P-39	4	6	12	
P-4	4	6	140	
P-40	4	6	13	
P-41	4	6	14	
P-42	4	6	14	
P-43	4	6	135	
P-45	1	2	175	

SECTION 8 – RECOMMENDED REGIONAL WASTEWATER IMPROVEMENTS

Based on the cost analysis provided in Section 9 of this report, the selection of a proposed alternative for wastewater service in Sabine County cannot be made on economics alone. The costs analysis resulted in total project costs of approximately equal cost effectiveness for each alternative assessed and discussed in Section 6 of this report. Therefore, the following factors were also considered in the selection process:

- 1. Degree of acceptance by the regulatory community
- 2. Constructability of the alternative
- 3. Availability of materials and equipment
- 4. Local experience with the alternative
- Reliability

Based on the relative "innovative" nature of the natural treatment alternative, the significant number of treatment plants required, the significant land required to implement, the lack of experience with this technology, unknowns concerning the availability of suitable materials (i.e., media) locally to implement the technology, and the unknown reliability associated with temperature fluctuations and shock loading, the natural cluster system alternative was not selected as the recommended approach for implementation.

The recommended alternative for wastewater service in Sabine County is the conventional centralized (package plant) alternative utilizing gravity sewer collection systems in individual subdivisions, where practical. In some cases, where topography is more severe or other limitations are encountered, a STEP collection system would be utilized to direct wastewater from individual subdivisions for subsequent treatment in centralized facilities. The type of collection system implemented for each individual subdivision would be determined during engineering design of the project after more detailed information and surveys are provided.

Table 8.1 provides a summary of the recommended wastewater improvements for Sabine County for each individual wastewater planning area (Beechwood/South Sabine, Timberlane, El Camino Bay, Midlake, and North). Exhibits 6-4 through 6-8 provide the general line configurations and treatment plant locations for the proposed alternative.

Table 8.1 Summary of Proposed Wastewater Improvements

Planning Area	Planning Year	Number of Plants	Total Plant Capacity (mgd)	Total Gravity and/or STEP Sewer (Linear Feet)	Total Force Main (Linear Feet)	Number of Lift Stations
Beechwood/So uth Sabine	2010	2	0.20	155,805	65,900	21
Timberlane	2020	2	0.14	103,735	67,610	15
El Camino Bay	2030	4	0.23	135,695	53,300	16
Midlake	2030	1	0.12	87,825	47,410	6
North	2030	1	0.12	90,365	61,120	18
Total		10	0.81	573,425	295,340	76

The recommended wastewater improvements summarized above result in capital costs of approximately \$55 million over the 50-year planning period (see Section 9 of this report). Of this total, approximately \$2.4 million appears to be eligible for financial assistance through TWDB Economically Distressed Areas Program (EDAP). It is recommended, at this time, that only those wastewater improvements related to the \$2.4 million of EDAP-eligible grant funds be implemented. Section 12 of this report provides additional information regarding this recommendation as well as other potential sources of funding for future wastewater improvements in Sabine County.

SECTION 9 – PROPOSED REGIONAL FACILITIES COST ANALYSIS

PROPOSED WATER IMPROVEMENTS

The total construction cost estimated for the water system improvements described in the sections above is approximately \$18 million including improvement for fire flows. The total project cost for water system improvements including engineering, administration, surveying, legal, and fiscal expenses is approximately \$27 million. Based on the methods for phasing the construction of water system improvements, described in the proposed improvements section of this report, the total construction and total project cost estimated for Phase 1 (2005) is approximately \$14 million and \$20 million, respectively. The total construction and project cost for Phase 2 (2030) is approximately \$4 million and \$6 million, respectively.

Tables 9.1 and 9.2 provide a summary of construction and total project costs for each water system assessed as part of this study for Phase 1 (2005) and Phase 2 (2030), respectively. The detailed cost estimates are also provided in *Appendix D*. Costs associated with treatment plant capacity expansion projects were distributed on a pro-rata basis based on the treatment capacity requirements for each entity.

Table 9.1
Phase 1 Water System Improvements Cost Summary

	Cost				
Entity	Construction	Non-Construction	Total Project		
City of Hemphill	\$2,028,636	\$912,886	\$2,941,522		
City of Pineland	\$1,199,027	\$539,562	\$1,738,589		
G-M WSC	\$6,562,774	\$2,953,248	\$9,516,022		
Beechwood WSC	\$1,795,689	\$808,060	\$2,603,749		
South Sabine WSC	\$2,402,946	\$1,081,326	\$3,484,272		
El Camino Bay WSC	\$305,695	\$137,563	\$443,258		
Total	\$14,297,767	\$6,432,645	\$20,727,412		

Table 9.2

Phase 2 Water System Improvements Cost Summary

	Cost				
Entity	Construction	Non-Construction	Total Project		
City of Hemphill	\$858,131	\$386,159	\$1,244,290		
City of Pineland	\$183,237	\$82,457	\$265,694		
G-M WSC	\$1,759,848	\$791,931	\$2,551,779		
Beechwood WSC	\$372,222	\$167,500	\$539,722		
South Sabine WSC	\$911,675	\$410,254	\$1,321,929		
El Camino Bay WSC	\$8,641	\$3,888	\$12,529		
Total	\$4,093,754	\$1,842,189	\$5,935,943		

The proposed water system improvements, detailed previously in this report, include sufficient treatment capacity at the City of Hemphill/SRA plant to provide all the water demand for the City of Hemphill, G-M WSC, and El Camino Bay WSC, as well as approximately 50 percent of the total water demand of the City of Pineland. Therefore, costs associated with the SRA/City of Hemphill treatment plant expansions were distributed, based on required capacity needs to each of these entities.

Likewise, the Beechwood WSC water plant improvements, detailed previously in this report, include sufficient capacity to meet all of the Beechwood WSC demand as well as all future growth in demand for the South Sabine WSC system. Costs associated with the Beechwood plant expansion were distributed, based on required capacity needs to Beechwood WSC and South Sabine WSC.

The total project costs provided in *Tables 9.1* and 9.2 were used to develop estimated water rates for individual residences in Sabine County. These total project costs were the basis for estimating the total debt service associated with the proposed water system improvements and for determining an adequate revenue stream, based on water sales, that would be required to pay off this debt. This rate analysis is discussed further and results presented in *Section 10* of this report.

PROPOSED WASTEWATER IMPROVEMENTS

A cost analysis was prepared for the alternative approaches to wastewater service for Sabine County. The two alternatives assessed were a conventional centralized treatment systems and a natural cluster system alternative. Both of these alternatives are discussed in greater detail in previous sections of this report. For both of these alternatives, two alternatives for wastewater collection were also assessed, conventional gravity sewers and STEP collection systems. *Tables 9.3, 9.4, 9.5*, and *9.6* provide a summary of the construction and total project costs for each of the alternatives. Detailed cost estimates for wastewater improvements are provided in *Appendix E*.

As previously discussed, it was assumed for purposes of this study that wastewater improvements would be phased in over the planning period starting in the southern portion of the county and proceeding north. Wastewater improvements would be implemented in the Beechwood/South Sabine Planning Area by the planning year 2010. The Timberlane Planning Area wastewater improvements would be implemented in 2020, and the remainder of the planning areas (El Camino Bay, Midlake, and North) would then be addressed by 2030. All wastewater improvements are based on projected wastewater demands for the year 2050.

Table 9.3
2010 Summary of Wastewater Improvements Costs

Cost	Conventional Centralized System with Gravity Collection	Conventional Centralized System with STEP Collection	Natural Cluster System with Gravity Collection	Natural Cluster System with STEP Collection
Construction	\$9,432,472	\$10,496,739	\$10,364,585	\$10,998,371
Non-construction	\$4,433,262	\$4,933,467	\$4,871,355	\$5,169,234
Total	\$13,865,734	\$15,430,206	\$15,235,940	\$16,167,605

Table 9.4
2020 Summary of Wastewater Improvements Costs

Cost	Conventional Centralized System with Gravity Collection	Conventional Centralized System with STEP Collection	Natural Cluster System with Gravity Collection	Natural Cluster System with STEP Collection
Construction	\$6,658,298	\$7,154,189	\$6,978,185	\$7,297,522
Non-construction	\$3,129,400	\$3,362,469	\$3,279,747	\$3,429,835
Total	\$9,787,698	\$10,516,658	\$10,257,932	\$10,727,357

Table 9.5
2030 Summary of Wastewater Improvements Costs

Cost	Conventional Centralized System with Gravity Collection	Conventional Centralized System with STEP Collection	Natural Cluster System with Gravity Collection	Natural Cluster System with STEP Collection
Construction	\$19,682,959	\$22,762,765	\$17,158,171	\$19,068,629
Non-construction	\$9,250,991	\$10,698,500	\$8,064,340	\$8,962,256
Total	\$28,933,950	\$33,461,265	\$25,222,511	\$28,030,885

Table 9.6
Total Summary of Wastewater Improvements Costs

Cost	Conventional Centralized System with Gravity Collection	Conventional Centralized System with STEP Collection	Natural Cluster System with Gravity Collection	Natural Cluster System with STEP Collection
Construction	\$35,773,730	\$40,413,693	\$34,500,941	\$37,364,522
Non-construction	\$16,813,653	\$18,994,436	\$16,215,442	\$17,561,325
Total	\$52,587,383	\$59,408,129	\$50,716,383	\$54,925,847

Based on the above analysis, the costs associated with the various wastewater service alternatives are approximately equally cost effective, particularly when considering these costs are at the planning level. Therefore, the selection of a proposed alternative for wastewater service for Sabine County was not based solely on economic factors.

As discussed in more detail previously in *Section 8* of this report, the centralized conventional wastewater treatment alternative was selected as the proposed alternative for this study based on the degree of acceptance in the regulatory community, the limited number of plant sites required, issues associated with availability and constructability, and economics. This alternative could be coupled with a conventional gravity, a STEP collection system, or a combination of both system depending on the physical limitations associated with each subdivision to be serviced. For purposes of this study and the rate analysis provided in *Section 10* below, the costs developed for a centralized conventional treatment system with a gravity collection system were used to estimate wastewater rates for Sabine County.

SECTION 10 – PROPOSED REGIONAL FACILITIES RATE ANALYSIS

CURRENT WATER RATES FOR EXISTING FACILITIES

The current rate structure for water services in Sabine County for the existing municipalities and water supply corporations, assessed as part of this study, were obtained. For each provider studied, the current rate structure consists of a flat fee up to some specified minimum monthly volume of water, with an additional fee charged on a per 1,000-gallon basis for water metered above the minimum monthly volume. Some providers have also initiated a second tier rate structure to charge an additional fee on a per 1,000-gallon basis for water metered above a second specified monthly volume. Table 10.1 summarizes the current water rate structure for the entities studied as part of this report.

Table 10.1
Current Water Rates for Existing Providers

Water Provider	Minimum Volume (gallons)	Flat Minimum Monthly Rate (dollars)	Rate for Water Above Minimum Volume (\$/1,000 gallons)	Second Tier Volume (gallons)	Rate for Water Above Second Tier Volume (\$/1,000 gallons)
City of Hemphill	2,000	18.36	1.71	N/A	N/A
City of Pineland	2,000	8.25	1.50	N/A	N/A
G-M WSC	3,000	20.00	2.50	20,000	3.00
Beechwood WSC	3,000	28.00	1.50	10,000	2.00
South Sabine WSC	4,000	17.50	2.50	N/A	N/A
El Camino Bay WSC	3,000	13.50	2.00	N/A	N/A

Based on the information, provided by each entity listed above, for water usage and number of connections, an average monthly water bill was estimated. *Table 10.2* summarizes the estimated monthly water bills for each provider assessed as part of this study.

Table 10.2
Estimated Current Monthly Water Bills

Water Provider	Number of Connections	Average Total Monthly Water Usage (gpd)	Average Monthly Water Usage Per Connection (gallons)	Fixed Monthly Water Rate (dollars)	Additional Fee for Use Above Minimum Volume (dollars)	Total Average Monthly Water Bill (dollars)
City of Hemphill ⁽¹⁾	659	129,000	5,871	18.36	6.56	24.92
City of Pineland ⁽¹⁾	377	127,000	10,106	8.25	12.16	20.41
G-M WSC	2,744	592,000	6,472	20.00	8.68	28.68
Beechwood WSC	470	72,000	4,596	28.00	2.39	30.39
South Sabine WSC	770	74,000	2,883	17.50	N/A	17.50
El Camino Bay WSC	112	18,000	4,821	13.50	3.64	17.14

Monthly estimates of water usage for City of Hemphill and City of Pineland based on actual metered (i.e., water sold) data.

The weighted average water bill, based on number of connections, for the water providers listed above for Sabine County is \$25.82 per month per connection. It should be noted, that the water usage information provided and utilized in this study for all participants except the City of Hemphill and the City of Pineland represents actual water pumped, treated, and distributed from each facility. Actual metered water data, for individual residences, was not obtained.

System losses of water for the City of Hemphill and City of Pineland are accounted for in this analysis. However, actual volumes of metered water delivered to customers for the other participants is likely less than the average water usage numbers used to calculate existing average monthly water bills. The same water usage data was also used to develop the projected water rate structure for proposed water system improvements. Therefore, this analysis is consistent for purposes of comparing estimated current monthly water bills to projected estimated monthly water bills for proposed water system improvements.

CURRENT WASTEWATER RATES FOR EXISTING FACILITIES

The current rate structure for wastewater services in Sabine County for providers, assessed as part of this study, was obtained. The current rate structure consists of a flat monthly fee and for some providers an additional fee charged on a per 1,000-gallon basis for water metered above a minimum monthly volume. *Table 10.3* summarizes the current wastewater rate structure for the entities studied as part of this report.

Table 10.3
Current Wastewater Rates for Existing Providers

Wastewater Provider	Minimum Volume (gallons)	Flat Minimum Monthly Rate (dollars)	Rate for Water Above Minimum Volume (\$/1,000 gallons)
City of Hemphill	3,000	12.00	1.20
City of Pineland	2,000	11.35	1.15
Beechwood WSC	N/A	22.00	N/A

Based on the information, provided by each entity listed above, for water usage and number of connections, an average monthly wastewater bill was estimated. *Table 10.4* summarizes the estimated monthly wastewater bills for each provider assessed as part of this study.

Table 10.4
Estimated Current Monthly Wastewater Bill

Wastewater Provider	Number of Connections	Average Total Monthly Water Usage (gpd)	Average Monthly Water Usage Per Connection (gallons)	Fixed Monthly Wastewater Rate (dollars)	Additional Fee for Use Above Minimum Volume (dollars)	Total Average Monthly Wastewat er Bill (dollars)
City of Hemphill	659	129,000	5,871	12.00	3.45	15.45
City of Pineland	377	127,000	10,106	11.35	9.32	20.67
Beechwood WSC	470	72,000	4,596	22.00	N/A	22.00

The weighted average wastewater bill, based on number of connections, for the wastewater providers listed above for Sabine County is \$18.80 per month per connection.

RECOMMENDED RATES FOR PROPOSED WATER SYSTEM IMPROVEMENTS

A financial spreadsheet model was developed to project estimated water rates required to fund the annual operating costs of the proposed district. *Appendix F* provides the financial model developed for estimating water rates for Sabine County. For this analysis, annual operating costs are defined as annual costs associated with the operation, maintenance, rehabilitation, administration, construction, engineering, legal, financial, and debt service for water system improvements proposed as part of this study. Costs associated with construction, engineering, legal, and financial were obtained from the costs provided in *Section 9* and detailed in *Appendix D* of this report.

Due to the significant amount of water system improvements proposed for this study, the limited number of connections in Sabine County, and the variation in water use patterns between individual participants, a rate structure, similar to that used by the existing water providers, is required in order to allow an equitable charge across Sabine County while still allowing adequate funding.

The proposed rate structure for Sabine County, similar to one used by existing water providers, consists of a fixed monthly dollar amount for some specified minimum volume of water along with an additional fee, on a per 1,000-gallon basis, for water metered above the specified minimum monthly volume. One of the goals of this study was to develop a water rate structure that would result in somewhat consistent monthly water bills across customers in the county, and also with a consideration for the variation in water usage between various parts of the county. *Table 10.5* summarizes some of the key assumptions made in developing the financial model for water system improvements for Sabine County.

Table 10.5 Financial Model Assumptions

Item	Assumed Value
Interest Rate for Debt Service	3.30%
Bond Amount	Construction costs and fees plus 2 years capitalized interest
Period for Debt Service	30 years
Operation and Maintenance	\$250 per connection annually ⁽¹⁾
Administration	\$50 per connection annually ⁽¹⁾
Rehabilitation and	2% of capital costs annually beginning 20 years after
Replacement	capital incurred
Interest Earned on Investment	5.125%
Minimum Monthly Water	
Volume	6,000 gallons per month
Minimum Year End Balance	\$300,000

Operation and Maintenance and Administration costs based on review of participant financial statements for the year 2000.

The financial model was developed for the 50-year study period (2001 through 2050). Water rates were assessed on a 5-year basis to determine if the amount to which rate increases would be required to fund the proposed district's annual operating costs while maintaining a cash balance for every year of at least \$300,000. The rate analysis was performed assuming an interest rate of 3.3%. *Table 10.6* provides a summary of the projected water rates for current year water usage for each participant studied as part of this report under the alternative financing conditions described above.

Assuming an interest rate of 0 percent and 35 percent loan forgiveness, the water rate required between current year and 2005 consists of a flat monthly fee of \$24 for up to 6,000 gallons of water per month. An additional fee of \$1.50 per 1,000 gallons of water above the 6,000 gallons would also be applied.

Table 10.6
Summary of Water Rates for Regional Water Improvements (2001-2005)

Water Provider	Number of Connections	Average Water Usage (gpd)	Average Monthly Water Usage Per Connection (gallons)	Fixed Monthly Water Rate (dollars)	Additional Fee for Use Above Minimum Volume (dollars)	Total Average Monthly Water Bill (dollars)
City of Hemphill	659	129,000	5,871	34.00	N/A	34.00
City of Pineland	377	127,000	10,106	34.00	6.16	40.16
G-M WSC	2,744	592,000	6,472	34.00	0.71	34.71
Beechwood WSC	470	72,000	4,596	34.00	N/A	34.00
South Sabine WSC	770	74,000	2,883	34.00	N/A	34.00
El Camino Bay WSC	112	18,000	4,821	34.00	N/A	34.00

The weighted average water bill for *Tables 10.6* based on number of connections, for the water providers listed above for Sabine County is \$34.83 per month per connection.

Based on a comparison of existing water rates to proposed rates, the proposed water system improvements can be economically supported while also achieving somewhat lesser average water bills to individual customers for some planning participants using a regional plan for financing water system improvements. *Table 10.7* provides a summary of projected water rates and projected water bills over the 50-year planning period for each entity assessed as part of this study.

Projected water rates, as expected, are increased over time in relationship to construction projects and bond issues. Based on the results summarized in *Table 10.7*, water rates are increased at intervals of not less than 5 years. Results also indicated that water rate increases were not required for every 5-year interval over the study duration, and when increases were required, the magnitude of the increase ranged from 5 percent to 11 percent. Over the 50-year study period, the fixed monthly water rates are projected to increase from approximately \$24 per month per connection initially to approximately \$37 per month per connection by the year 2050.

Table 10.7
Summary of Projected Rates for Proposed Regional Water System Improvements

		Rate Above (dollars)						**
Year	Fixed Monthly Rate (dollars)	6,000 gallons per month (\$/1,000 gallons)	City of Hemphill	City of Pineland	G-M WSC	Beechwood WSC	South Sabine WSC	El Camino Bay WSC
2001	24.00	1.50	34.00	40.16	34.71	34.00	34.00	34.00
2005	24.00	1.50	34.00	40.16	34.71	34.00	34.00	34.00
2010	28.00	1.50	37.00	43.16	37.71	37.00	37.00	37.00
2015	32.00	1.50	41.00	47.16	41.71	41.00	41.00	41.00
2020	33.00	1.50	44.00	50.16	44.71	44.00	44.00	44.00
2025	37.00	1.50	47.00	53.16	47.71	47.00	47.00	47.00
2030	37.00	1.50	50.00	56.16	50.71	50.00	50.00	50.00
2035	37.00	1.50	50.00	56.16	50.71	50.00	50.00	50.00
2040	37.00	1.50	50.00	56.16	50.71	50.00	50.00	50.00
2045	37.00	1.50	50.00	56.16	50.71	50.00	50.00	50.00
2050	37.00	1.50	50.00	56.16	50.71	50.00	50.00	50.00

RECOMMENDED RATES FOR PROPOSED WASTEWATER SYSTEM IMPROVEMENTS

A financial spreadsheet model was also developed to project estimated wastewater rates required to fund the annual operating costs of the proposed district. *Appendix G* provides the financial model developed for estimating wastewater rates for Sabine County. Costs associated with construction, engineering, legal, and financial were obtained from the costs provided in Section 9 and detailed in *Appendix E* of this report for all five wastewater planning areas (i.e., Beechwood/South Sabine,

Timberlane, El Camino Bay, Midlake, and North). A value of \$1.4 million was used for the City of Hemphill wastewater improvements based on information provided by the City for improvements planned for year 2002. No known planned or required improvement dollars were proposed for the City of Pineland wastewater system.

For purposes of simplicity and to achieve the stated goal of consistent monthly bills across customers in Sabine County, the proposed wastewater rate structure for Sabine County consists of a fixed monthly dollar amount per connection. *Table 10.8* summarizes some of the key assumptions made in developing the financial model for wastewater system improvements for Sabine County.

Table 10.8 Financial Model Assumptions

Item	Assumed Value			
Interest Rate for Debt Service	3.30%			
Bond Amount	Construction costs and fees plus 2 years capitalized interest			
Period for Debt Service	30 years			
Operation and Maintenance	\$250 per connection annually			
Administration	\$50 per connection annually			
Rehabilitation and Replacement	2% of capital costs annually beginning 20 years after capital incurred			
Interest Earned on Investment	5.125%			
Minimum Year End Balance	\$300,000			

The financial model was developed for the 50-year study period (2001 through 2050). Wastewater rates were assessed on a 5-year basis to determine if and the amount to which rate increases would be required to fund the proposed districts annual operating costs while maintaining a cash balance for every year of at least \$300,000. The rate analysis for wastewater improvements was also performed assuming a loan at 3.30 percent interest. *Table 10.9* provides a summary of projected wastewater rates, over the 50-year study period, for all participants studied. Results summarized in *Tables 10.9* indicate initial fixed monthly wastewater bills for customers in Sabine County of approximately \$40 per month per connection.

Table 10.9
Summary of Projected Rates for
Proposed Regional Wastewater System Improvements

Year	Fixed Monthly Wastewater Rate (\$ per month per connection)
2001	40
2005	40
2010	47
2015	55
2020	61
2025	72
2030	72
2035	72
2040	72
2045	72
2050	72

Projected wastewater rates, as expected, are increased over time in relationship to construction projects and bond issues. Based on the financial model, wastewater rates are increased at intervals of not less than 5 years. Results also indicated that wastewater rate increases were not required for every 5-year interval over the study duration, and when increases were required, the magnitude of the increase ranged from 15 percent to 20 percent. Over the 50-year study period, the fixed monthly wastewater rates are projected to increase from approximately \$40 per month per connection initially to approximately \$72 per month per connection by the year 2050.

SECTION 11 – REGIONAL MANAGEMENT AUTHORITY AND WATER CONSERVATION PLAN

CONSENSUS MODEL MANAGEMENT AUTHORITY

It is the intent of Sabine County to form a management authority for the purpose of consolidating and managing existing water and wastewater facilities in the County as well as for providing a mechanism for funding and managing proposed improvements to both water and wastewater facilities. The consensus model management authority, developed through meetings and discussions with planning participants, is a Freshwater Supply District created pursuant to Texas Water Code Chapter 53. Freshwater Supply Districts are created through petition, hearing, and election and can include the management of both water and wastewater facilities if approved by the electorate.

PETITION PROCESS

A petition for creation of a Freshwater Supply District must be presented to the County Commissioners Court or, if not in session, to the County Judge for Sabine County. The petition must be signed by 50 percent or a majority of the electors who own land within the boundary of the proposed district. The petition must state the boundaries of the proposed district, the general nature of the projects proposed to be performed, the necessity for the proposed district, the feasibility of the proposed district, and the proposed name of the district (i.e., Sabine County Freshwater Supply District). In addition, a \$100 deposit must also accompany the petition.

HEARING PROCESS

Upon receipt of the petition, the Commissioners Court or County Judge shall immediately set a time and place for a public hearing on the petition. The hearing must be held during the period beginning on the 15th day and ending with the 30th day after the day the petition is presented. The County Clerk must issue a notice of the scheduled time and place of the hearing. The notice must be posted at the courthouse door and a copy must be posted at each of four different locations in the proposed district. The notice must include a statement that any person is entitled to appear at the hearing.

The Commissioners Court has jurisdiction to determine all matters pertaining to the sufficiency of the petition and must allow any interested person to appear and offer testimony relative to the petition. If the Commissioners Court grants the petition, the Commissioners Court will appoint five temporary supervisors to serve on the board of the district until permanent supervisors are appointed. Following appointment, the five temporary supervisors are required to meet and begin to organize the district. Within 60 days of creation, the district must file notice of its creation with the TNRCC.

ELECTION PROCESS

An election must be held to determine if the proposed district will be established prior to the issuance of any bonds or other obligations by the district. The election must be held on a uniform date and conducted in accordance with Section 49.102 of the Texas Water Code and the Election Code. Only registered voters within the proposed boundaries of the district will be allowed to vote on the creation of the district. Following approval of district creation through election, all future bonds, including revenue bonds, must be approved through subsequent elections with the exception of revenue notes with a term not to exceed greater than 20 years.

Sabine County officials are currently planning to place the creation of the Sabine County Freshwater Supply District on the February 2002 ballot. Therefore, the petition will need to be initiated and submitted to the Sabine County Commissioners Court and the hearing process began likely before the end of this year (2001).

SPECIAL CONSIDERATIONS

A portion of the study area for this report includes a small area within adjacent San Augustine County to the west. Residences in this area of San Augustine County are provided water through distribution facilities owned and operated by the G-M WSC in Sabine County. For purposes of this planning study, this area was included in the analyses. However, it should be noted that this area in San Augustine County cannot be included within the proposed boundaries of the Sabine County Freshwater Supply District. The inclusion of land outside the jurisdictional boundaries of Sabine County can be achieved, following creation of the district, through subsequent annexations.

It should also be noted that the creation of a district inside the extraterritorial jurisdiction of a city will require city consent. Therefore, both the City of Hemphill and the City of Pineland will have to consent to its inclusion in the district boundary prior to district creation or, if consent is not granted, then the proposed district boundary must not include the extraterritorial jurisdiction of the city.

WATER CONSERVATION PLAN

The Texas Legislature, through its passing of Senate Bill 1 in 1997, requires all public water suppliers with water rights holdings of more than 1,000 acre-feet per year prepare a Water Conservation Plan and Drought Contingency Plan. In addition, as a condition for receiving financial assistance from the TWDB, public water suppliers are required to prepare a Water Conservation Plan.

A Water Conservation Plan cannot effectively be prepared at this time due to several unknowns associated with the creation of a management authority for Sabine County. At present, no single consolidated management authority (i.e., district) is presently representing the planning area for this study. As discussed in previous sections of this report, the creation of such a management authority for Sabine County will require approval by the districts constituents through election. In addition, individual water supply corporations (i.e., Beechwood and South Sabine) as well as municipalities (Hemphill and Pineland) will need to decide whether they are interested in being part of a newly formed district or if they wish to opt-out of the district boundaries.

These decisions have not been made by all participants in this study as of the date of this report.

Upon creation of a management authority (i.e., district) in Sabine County, the newly formed district will be required to prepare and submit a Water Conservation Plan to the TNRCC as well as the TWDB for review and approval. In general, the Water Conservation Plan and Drought Contingency Plan will include the following information:

Water Conservation Plan

- 1. Utility profile, including information regarding population and customer data, water use data, water supply system data, and wastewater system data
- 2. Specification of conservation goals including municipal per capita water use goals, the basis for the development of such goals, and a time frame for achieving the specified goals
- 3. Specification of metering device(s) used to measure and account for the amount of water diverted from the source of supply
- 4. Establishment of program for universal metering of both customer and public uses of water, for meter testing and repair, and for periodic meter replacement
- 5. Measures to determine and control unaccounted-for uses of water (for example, periodic visual inspections along distribution lines; annual or monthly audit of the water system to determine illegal connections, abandoned services, etc.)
- 6. Establishment of program of continuing public education and information regarding water conservation
- 7. Water rate structure which is not "promotional" (a cost-based rate structure that does not encourage the excessive use of water)
- 8. A reservoir systems operations plan, if applicable, providing for the coordinated operation of reservoirs owned by the applicant within a common watershed or river basin in order to optimize available water supplies
- 9. A means of implementation and enforcement, which shall be evidenced by
 - a. A copy of the ordinance, resolution, or tariff, indicating official adoption of the water conservation plan by the water supplier
 - b. A description of the authority by which the water supplier will implement and enforce the conservation plan
 - c. Documentation of coordination with the regional water planning groups for the service area of the public water supplier in order to ensure consistency with the appropriate approved regional water plans
- 10. A program of leak detection, repair, and water loss accounting for the water transmission, delivery, and distribution system in order to control unaccounted-for uses of water

- 11. A record management system to record water pumped, water deliveries, water sales, and water losses, allowing for the desegregation of water sales and uses into user classes (i.e., residential, commercial, public and institutional, and industrial)
- 12. Adoption of ordinances, plumbing codes, and/or rules requiring water-conserving plumbing fixtures to be installed in new structures and existing structures undergoing substantial modification or addition
- 13. A program for the replacement or retrofit of water-conserving plumbing fixtures in existing structures
- 14. Reuse and/or recycling of wastewater and/or greywater
- 15. A program for pressure control and/or reduction in the distribution system and/or for customer connections
- 16. A program and/or ordinance(s) for landscape water management
- 17. A method for monitoring the effectiveness and efficiency of the water conservation plan
- 18. Any other water conservation practice, method, or technique that the water supplier shows to be appropriate for achieving the stated goal or goals of the water conservation plan

Drought Contingency Plan

- 1. A description of the information to be monitored by the water supplier, and specific criteria for the initiation and termination of drought response stages, accompanied by an explanation of the rationale or basis for such triggering criteria
- 2. Drought or emergency response stages providing for the implementation of measures in response to at least the following situations
 - a. Reduction in available water supply up to a repeat of the drought of record
 - b. Water production or distribution system limitations
 - c. Supply source contamination
 - d. System outage due to the failure or damage of major water system components (e.g., pumps)

- 3. Specific water supply or water demand management measures to be implemented during each stage of the plan including the following
 - a. Curtailment of non-essential water uses
 - b. Utilization of alternative water sources and/or alternative delivery mechanisms with the prior approval of the executive director as appropriate (e.g., interconnection with another water system, temporary use of a non-municipal water supply, use of reclaimed water for non-potable purposes, etc.)
- 4. Procedures to be followed for the initiation or termination of each drought response stage, including procedures for notification of the public
- 5. Procedures for granting variances to the plan
- 6. Procedures for the enforcement of any mandatory water use restrictions, including specification of penalties (e.g., fines, water rate surcharges, discontinuation of service) for violations of such restrictions

SECTION 12 – IMPLEMENTATION

Proposed improvements for water facilities in Sabine County include the expansion and/or replacement of existing water treatment plants, additional storage facilities, and improvements to existing water distribution lines. As part of this study, improvements are proposed to the City of Hemphill, City of Pineland, G-M WSC, Beechwood WSC, South Sabine WSC, and El Camino Bay WSC systems. The implementation of proposed water improvements detailed in this study will allow future expansion of these systems to provide water to currently underserved or unserved areas in the county.

Proposed improvements for wastewater facilities in Sabine County include the construction of multiple centralized wastewater treatment plants along Toledo Bend Reservoir, an extensive system of force mains and gravity mains to direct wastewater to treatment facilities, and gravity sewer and/or STEP collection lines in individual subdivisions. As part of this study, improvements are proposed to the five wastewater planning areas (Beechwood/South Sabine, Timberlane, El Camino Bay, Midlake, and North) identified and described previously in this report. The implementation of proposed wastewater improvements detailed in this study will allow providing conventional wastewater services to areas currently utilizing on-site (septic tank) treatment.

The purpose of this regional facilities plan is to provide a planning document to assist Sabine County in developing near-term and long-term water and wastewater system improvement projects, estimating probable construction costs for proposed projects, and projecting potential water and wastewater rates required to fund projects. Following approval of this document by Sabine County and the TWDB, several steps, as described below, are required to be completed prior to construction.

PROJECT FUNDING

The Draft Regional Plan for Sabine County identified a total of approximately \$25 million in water improvements and approximately \$55 million in wastewater improvements for a total cost of \$80 million. Of the total costs, approximately \$1.5 million for water improvements and \$2.4 million for wastewater improvements are eligible for grant funding from the Texas Water Development Board (TWDB) Economically Distressed Areas Program (EDAP). The remaining costs are proposed

for funding as follows based on the timing and subsequent growth within Sabine County as outlined below.

Water Improvements

The initial improvements and funding recommended in the Draft Regional Plan include approximately \$16 million in water improvements. Of this amount approximately \$1.5 million is EDAP-eligible that will consist of a combination of grant and loan funds from the EDAP water grant account and the EDAP water loan account. The remainder of the \$16 million in water improvements is proposed for funding from the TWDB Drinking State Revolving Fund (DWSRF). Sabine County is fortunate in that they have been ranked as No. 5 on the TWDB Intended Use Plan (IUP) for FY 2002 as eligible for a DWSRF loan up to \$16,210,000 under the Disadvantaged Community Program.

The high ranking would appear, at this time, to ensure that Sabine County will be able to receive funds under this program to fund the Phase 1 improvements recommended in this Draft Report. More significant is the apparent eligibility of Sabine County to qualify under the Disadvantaged Community Program of the DWSRF. Although substantial benefit is gained under the small community DWSRF program through lower interest rates (200 basis points below market rates), the Disadvantaged Community Program allows zero percent interest, and dependent on economic hardship, up to 35 percent loan forgiveness. It should be noted here that preliminary calculations indicate that Sabine County will qualify for the 35 percent loan forgiveness although this is yet to be confirmed by the TWDB.

Irregardless of which program, Sabine County and the proposed Fresh Water Supply District and ultimately the rate payer, will realize huge savings in both interest and principal costs over the life of the loan. As the eligible applicant and a political subdivision, Sabine County would receive the funds with repayment backed by contract revenues pledged by the Fresh Water Supply District. Consequently, at this time it would appear that Phase 1 of the water improvements can be fully funded through a combination of DWRSF and EDAP grant and loan funds.

The Draft Regional Plan also recommends an additional \$9 million in water improvements in the year 2030. At this time, either the DWSRF (if still in existence) or bond proceeds would be used to fund these improvements. However, due to the extended time period it is not possible to say what funding programs may be available almost 30 years from now to fund the Phase 2 improvements.

Wastewater

As discussed above almost \$55 million in wastewater improvements are recommended in the Draft Regional Plan over the next fifty years. Of this amount, approximately \$2.4 million appears to be EDAP-eligible.

It is not anticipated that the majority of these costs would be funded at this time. This recommendation is made due to the following factors of consideration:

- The population and housing density is not substantial enough to support a centralized wastewater collection system.
- Past studies and research have indicated contamination problems along the lake area, the most populous areas of the County. However there has not been significant data developed to date to warrant the construction of wastewater facilities in these areas.
- The majority of residents do not support wastewater improvements throughout the entire County area.
- The creation of a new District and the overwhelming water needs preclude significant debt for wastewater improvements. In other words, water problems are currently more significant than wastewater as evidenced by the past TNRCC enforcement actions.

Based on the considerations listed above, it is recommended that only the EDAP-eligible improvements proceed through funding by the TWDB EDAP sewer grant and loan accounts. When subsequent growth occurs and the economic stability of the District has been established, the remaining improvements could be funded by a combination of Clean Water State Revolving Funds (CWSRF), Texas Department of Housing and Community Affairs (TDHCA) Community Development Block Grant (CDBG) Funds, TDHCA STEP funds, and low interest loans from the U.S. Department of Agriculture Rural Development Assistance. It is also possible that as growth and increased demand occurs; the proposed District could issue bonds for wastewater improvements.

One last consideration of funding for wastewater improvements is the State Participation Plan Program managed by the TWDB. This program basically allows funding (up to 50%) up front for initial improvements with deferred payments several years later for interest and principal. This allows political subdivisions to design and construct for future growth without placing the entire burden of the costs on the current ratepayers.

Similar to the water improvements, Sabine County would be the applicant for the funding sources referenced above. Repayment of the fund proceeds would be through the District through the pledge of contract revenues.

PROJECT PRIORITY AND DEFINITION

This regional facilities plan summarizes a proposed phasing of projects for water and wastewater improvements for Sabine County. Construction costs and the resulting water and wastewater rates required to fund the improvements are based on this proposed phasing of projects. While the proposed phasing of projects and estimates of probable costs, described in this report, are believed to be accurate based on current information, the priorities of the county and individual participants may change over time.

Therefore, upon approval of this plan, further assessment of these priorities should be developed to ensure that the appropriate projects are implemented to meet participants' goals and objectives. This assessment will develop a detailed timeline for project implementation and will define, in greater detail, the water and wastewater projects scheduled for implementation. Items to be considered during this assessment include:

- 1. The amount of funding available to Sabine County for water and wastewater projects
- 2. The number of planning participants ultimately committed to the creation of a management authority (district) in Sabine County
- 3. The establishment of short-term and long-term goals and priorities for planning participants

- 4. Public acceptance of projected water and wastewater rates for residents in Sabine County
- 5. Results from preliminary engineering design

The results of this planning phase will be used to develop a 10-year Capital Improvements Plan (CIP) for Sabine County. Based on the projects identified as being a priority for implementation in the next 10 years, the CIP can be developed to define upcoming projects, schedule milestones for engineering and construction, and better project water and wastewater rates for residents in the county. The CIP will be reviewed annually and adjustments made, if applicable, to reflect changes in project priorities or if additional projects have been identified since the previous CIP was developed.

PRELIMINARY ENGINEERING DESIGN

The regional facilities plan, detailed in this report, provides the overall direction and focus for water and wastewater planning for Sabine County and will become the tool used to develop short-term and long-term project priorities, project definitions, and implementation schedules. This regional facilities plan is not meant to provide sufficient detail for projects to a preliminary design level.

Preliminary engineering designs will be developed for each project defined as a result of establishing project priorities and developing a 10-year CIP as described above. The purpose of preliminary engineering design will be to better define the design components of projects scheduled for implementation. Components of preliminary engineering design include:

- 1. Verification and calibration of water models developed as part of this plan
- 2. Field inspection and verification of project sites
- 3. Identification of equipment types and sizes
- 4. Identification of most applicable wastewater collection systems for individual subdivisions
- 5. Identification and resolution of right-of-way, permitting, environmental and other non-engineering issues
- 6. Detailed cost estimation for projects scheduled for implementation

ENGINEERING DESIGN AND SPECIFICATION

Following completion of the preliminary engineering design for projects scheduled for implementation, detailed engineering design plans and construction specifications will be prepared. The design plans and specifications packages developed for each project or combined projects will be of sufficient detail to construct facilities and to obtain accurate bids from qualified contractors. Engineering designs will be in conformance with Chapters 290 and 317 of the TNRCC Rules and Regulations for water and wastewater systems, respectively.

CONSTRUCTION BIDDING

Competitive bids will be solicited from qualified construction contractors in the area, on behalf of Sabine County, for construction of water and wastewater projects. The engineering design plans and specifications developed for each project or combined projects will be used as a basis for construction bidding. It should be noted that some level of self-performance by the county may be initiated as a means to reduce overall construction costs. If it is determined that the county wishes to self-perform some portions of construction, as opposed to utilizing contractors, then the solicitations for bid will clearly identify which items in the engineering design plans will be contractor responsibility.

Following receipt of bids, an award will be made to the lowest most qualified respondent for construction of the proposed project. Solicitation and award of construction contracts will be performed in accordance with local and state regulations related to the bidding of publicly owned utilities.

SECTION 13 – PUBLIC INVOLVEMENT AND PARTICIPATION

The Sabine County Regional Water and Wastewater Planning Group encouraged early participation from various individual water supply corporations so that concerns could be addressed as the plan was being developed. Early in the planning process, fact-finding visits were made to each individual WSC in order to accurately represent each system within the county.

A public "kick-off" meeting was held on February 27, 2001, to gather suggestions and recommendations from the public as to issues that should be addressed or provisions that should be included in the regional water plan.

A project status meeting was held June 21, 2001, to provide a briefing on the status of the regional planning activities and to gather input and suggestions from the public as to current planning recommendations.

A public hearing was held on September 27, 2001. At this hearing, recommendations for water and wastewater improvements for the 50-year planning period were made. This plan is intended to provide a planning framework for water and wastewater improvements for Sabine County's long-range growth.

At each meeting, a formal presentation was given by Turner Collie & Braden Inc. and time was given to answering public questions, comments, and concerns. Draft plans were distributed to planning participants and comments were solicited by TC&B at the hearing on September 27. Additionally, a copy of the Preliminary Draft of the Sabine County Regional Water and Wastewater Facilities Plan was placed in the J.R. Huffman Public Library in Hemphill for public review and comment.

Appendix H includes the presentations from the three meetings, along with copies of the sign-in sheets, minutes of each meeting, and comment letters received by TC&B.

City of Hemphill Monthly Operating Reports 1998 (MGD)

Day		Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Oct-98	Nov-98	Dec-98
	l	0.920	1.049		0.749	0.986	1.313	1.395	1.726	1.379	1.142		0.705
	2	1.000	0.686		0.775	0.996	1.791	1.816	1.609	1.179	0.599		0.674
	3	0.892	0.864		0.760	1.102	1.694	1.653	1.564	1.105	0.901		0.783
	4	0.721	0.400		0.860	0.812	1.311	1.606	1.852	1.58	0.841		0.638
	5	0.879	0.423		0.792	0.959	1.174	1.832	2.002	1.248	0.77		0.865
	6	0.640	0.876		0.747	0.946	1.35	1.648	1.677	1.058	0.766		0.764
	7	0.738	0.761		0.834	1.061	1.194	1.667	1.615	1.056	0.863		0.848
	8	0.691	0.734		0.839	0.881	0.896	1.381	1.064	1.254	0.723		0.726
	9	0.778	0.692		0.917	0.893	0.91	1.501	1.614	1.117	0.67		0.421
	10	0.770	0.544		0.736	0.974	1.061	1.459	2.091	1.057	0.979		1.185
	11	0.735	0.335		0.805	0.718	1.182	1.628	1.266	0.822	0.966		0.906
	12	0.701	0.416		1.107	0.942	1.495	1.671	1.931	0.895	0.829		0.789
	13	0.642	0.920		0.776	0.948	1.324	1.54	1.681	1.142	0.868		0.715
	14	0.711	0.938		0.805	0.729	1.073	1.692	1.442	0.913	1.348		0.9
	15	0.607	0.766		0.839	0.928	0.889	1.386	1.446	0.821	0.805		0.822
	16	0.640	0.777		0.861	1.101	0.939	1.262	1.177	1.561	0.737		0.723
	17	0.686	0.692		0.790	0.711	1.068	1.422	1.669	0.814	0.917		0.741
	18	0.769	0.450		0.773	0.776	1.401	1.563	1.395	0.932	0.749		0.787
	19	0.671	0.451		0.665	0.798	1.61	1.649	1.334	0.896	0.7498		0.759
	20	0.750	0.359		0.661	0.952	1.733	1.601	0.95	0.851	0.813		0.65
	21	0.651	0.969		0.596	0.734	1.449	1.519	0.845	0.919	0.799		0.827
	22	0.593	0.606		0.579	0.920	1.184	1.345	0.979	0.951	0.932		0.638
	23	0.814	0.616		0.988	0.835	1.478	1.408	1.256	0.855	0.643		0.755
	24	0.776	0.774		0.710	1.082	1.461	1.634	1.037	0.818	0.774		0.656
	25	0.690	0.584		0.627	0.659	1.321	1.614	0.84	0.826	0.87		0.915
	26	0.585	0.732		0.956	1.466	1.396	1.818	1.267	0.849	1.008		0.903
	27	0.667	0.519		0.621	1.356	1.551	1.669	0.876	1.001	1.313		0.833
	28	0.697	0.752		0.724	0.928	1.482	1.474	1.165	0.88	0.627		0.923
	29	0.360			0.689	1.024	1.49	1.713	1.287	0.89	0.37		0.803
	30	0.702			0.740	1.194	1.4	1.621	0.796	0.949	0.865		0.863
	31	0.759				1.042		1.844	0.768		0.91		0.777
Tota	ıl												
(TG/Mc		22.235	18.685		23.321	29.453	39.620	49.031	42.221	30.618	26.147		24.294

305.625 MGY 937.86659 ac-ft/year

City of Hemphill Monthly Operating Reports 1999 (MGD)

Day		Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99
	1	0.818	0.855	0.802	0.816	1.083	1.11	1.668		1.668	1.668	1.321	0.899
	2	0.674	0.896	0.791	0.683	1.212	1.166	1.149		1.149	1.149	0.725	1.018
	3	0.842	0.828	0.712	0.916	1.034	1.245	1.235		1.235	1.235	0.885	0.858
	4	0.974	1.265	0.773	0.763	0.913	1.088	1.653		1.653	1.653	0.906	1.063
	5	1.306	1.139	0.667	0.636	0.723	1.394	1.443		1.443	1.443	0.91	0.915
	6	0.604	0.878	0.704	0.857	0.928	1.206	1.039		1.039	1.039	0.952	0.946
	7	1.22	1.095	0.803	0.743	0.855	1.256	1.613		1.613	1.613	1.443	0.86
	8	1.189	0.669	0.672	0.625	0.991	1.359	1.404		1.404	1.404	1.166	0.898
	9	0.852	0.781	0.773	0.872	0.867	1.453	1.105		1.105	1.105	0.915	0.94
	10	0.778	0.95	0.749	1.036	0.906	1.554	1.08		1.08	1.08	1.621	1.03
	11	0.896	1.092	0.66	0.843	0.944	0.756	1.118		1.118	1.118	1.077	1.554
	12	0.898	0.95	0.829	0.971	0.938	1.21	1.105		1.105	1.105	0.881	1.469
	13	0.857	0.886	0.672	0.853	0.932	1.224	1.268		1.268	1.268	0.955	0.761
	14	0.865	1.352	0.707	0.842	0.939	1.047	1.021		1.021	1.021	1.506	1.33
	15	0.82	0.91	0.733	0.979	0.656	0.759	1.191		1.191	1.191	1.343	0.407
	16	0.853	0.699	0.727	0.553	1.082	1.188	1.114		1.114	1.114	1.102	0.575
	17	0.791	0.773	0.78	0.929	1.245	1.324	1.254		1.254	1.254	1.102	0.732
	18	0.733	0.977	0.919	0.891	1.158	1.374	1.053		1.053	1.053	1.245	1.066
	19	0.885	0.843	0.736	0.851	1.04	1.313	0.811		0.811	0.811	1.411	0.823
	20	0.76	0.787	0.636	0.807	1.1	1.348	1.604		1.604	1.604	0.875	0.923
	21	0.731	0.787	0.918	1.321	0.7	1.469	0.533		0.533	0.533	1.047	0.772
	22	0.759	0.76	0.81	0.567	1.132	1.248	0.819		0.819	0.819	1.004	0.966
	23	0.727	0.705	0.771	0.846	1.161	1.36	0.927		0.927	0.927	1.341	0.852
	24	0.693	0.812	0.788	0.993	1.256	0.961	1.154		1.154	1.154	0.733	0.915
	25	0.751	0.896	0.626	0.926	1.059	0.997	0.837		0.837	0.837	0.899	0.934
	26	0.613	1.307	0.771	0.899	0.759	1.141	1.334		1.334	1.334	1.439	0.991
	27	0.821	0.769	0.669	0.931	1.154	1.174	0.804		0.804	0.804	0.674	1.883
	28	0.656	0.982	0.836	0.929	0.63	1.465	1.204		1.204	1.204	0.621	0.91
	29	0.749		0.535	0.928	1.095	0.946	0.885		0.885	0.885	0.719	0.901
	30	0.802		0.922	0.831	1.23	1.296	0.919		0.919	0.919	0.764	0.995
	31	0.674		0.881		0.623		1.511					0.905
Tota	1												
(TG/Mo	nth)	25.591	25.643	23.372	25.637	30.345	36.431	35.855		34.344	34.344	31.582	30.091

333.235 MGY 1022.5936 ac-ft/year

City of Hemphill Monthly Operating Reports 2000 (MGD)

Day	Jan-00	Feb-00	Mar-00	Apr-00
1	1.238	0.709	0.913	1.219
2	0.813	0.972	1.107	0.745
3	1.02	0.86	0.719	0.731
4	1.086	0.911	1.292	0.957
5	0.958	0.97	0.919	0.85
6	0.744	0.971	0.798	0.742
7	0.922	0.802	1.14	0.823
8	0.985	0.929	1.212	1.016
9	0.689	0.971	0.915	0.829
10	0.803	0.96	0.893	0.779
11	0.877	0.97	1.159	0.88
12	0.9	0.537	0.901	0.781
13	0.906	0.813	0.822	0.857
14	1.184	0.824	0.94	0.842
15	0.687	0.827	1.23	0.767
16	0.822	0.893	0.835	0.804
17	0.933	0.832	0.966	0.523
18	0.824	0.788	0.798	1.183
19	0.956	0.93	0.983	1
20	0.92	0.808	0.734	0.78
21	1.127	0.81	0.848	0.877
22	0.979	0.935	0.956	1.01
23	0.794	0.772	1.131	1.01
24	0.99	0.906	0.805	0.852
25	0.756	0.589	0.954	0.961
26	0.916	0.921	0.886	0.866
27	0.749	0.764	0.803	0.911
28	0.983	0.88	0.895	0.863
29	0.927	0.865	0.841	0.892
30	0.917		1.024	1.078
31	0.997		0.797	
Total				
Total	20.402	04.710	20.214	27.400
(TG/Month)	28.402	24.719	29.216	26.428

108.765 MGY 333.76565 ac-ft/year

City of Pineland Monthly Operating Reports 1999 Thousand Gallons per Day

Day	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99
1	194	178	212	151	216			*	-			
2	246	177	206	157	184							
3	248	138	179	177	202							
4	274	187	182	138	202							
5	272	169	195	152	219							
6	230	183	201	174	229							
7	219	178	181	145	206							
8	202	207	184	370	227							
9	205	165	200	174	201							
10	221	170	163	192	182							
11	234	181	183	163	201							
12	229	198	176	234	178							
13	219	197	154	213	181							
14	225	194	173	317	186							
15	205	197	173	188	190							
16	227	183	174	158	180							
17	194	166	171	157	169							
18	213	205	170	199								
19	181	178	171	172								
20	201	182	153	341								
21	186	197	159	322								
22	173	174	179	414								
23	172	181	185	192								
24	171	216	169	190								
25	171	193	194	174								
26	170	178	171	175								
27	179	230	437	175								
28	183	243	162	166								
29	183		292	181								
30	172		186	197								
31	175		158									
Meter Reading	at beginning	of Month				99263	5269	12270	19804		33674	39645
Meter Reading						125061	10630	19237	26723		39303	42996
Difference	01 11101					25798	5361	6967	6919		5629	3351
							220.	5,0,	J		2025	2001
Total												
(TG/Month)	6374	5245	5893	6158	3353	25798	5361	6967	6919		5629	3351

81048 TGY 81.048 MGY 248.71088 ac-ft/year

City of Pineland Monthly Operating Reports 2000 Thousand Gallons per Day

Day	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00
·	175	230	126	128	164	297		J	310		
2	2 175	171	136	153	147	198			310		
3	3 163	171	119	140	193	198			310		
4	1 219	183	132	92	167	198			310		
5	5 220	183	164	127	154	170			472		
•	5 162	183	114	132	154	330			436		
7	7 202	169	119	149	154	200			340		
8	3 202	268	130	135	240	205			252		
ç	202	101	143	128	151	205			252		
10) 176	202	124	128	182	160			252		
11	l 168	166	139	137	172	330			252		
12		166	133	114	172	330			252		
13	3 176	166	93	115	174	330			252		
14		174	153	134	174	154			190		
1.5		157	161	140	174	154			190		
16		168	116	144	174	154			262		
17		158	129	148	206	154			245		
18		353	132	146	206	154			162		
19		176	91	146	136	165			233		
20		176	160	140	192	165			196		
21		187	101	132	192	210			186		
22		183	117	162	155	195			182		
23		157	137	136	173	195			182		
24		171	212	137	173	190			182		
25		238	189	141	211	195			178		
26		169	134	120	224	195			602		
27		156	128	151	229	195			221		
28		183	127	122	182	195			204		
29		180	221	118	247	200			200		
30			124	147	186	200					
31	160		134		186						
Meter Readin	g at beginning	of Month					78006	85207		1803	8879
	g at end of Mor						84178	93398		8467	14123
Difference							6172	8191		6664	5244
Total											
(TG/Month)	5723	5345	4238	4042	5644	6221	6172	8191	7615	6664	5244

65099 TGY 65.099 MGY 199.7684 ac-ft/year

G-M Water Supply Corporation Monthly Operating Reports 1999 (MGD)

Day	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99
1	0.538	0.604	0.552	0.432	0.581	0.575	0.576	0.729	0.762	0.640	0.564	0.584
2	0.538	0.656	0.534	0.517	0.581	0.504	0.620	0.729	0.685	0.692	0.516	0.589
3	0.538	0.631	0.456	0.517	0.581	0.532	0.699	0.723	0.684	0.692	0.540	0.607
4	0.538	0.513	0.428	0.517	0.479	0.579	0.699	0.653	0.706	0.693	0.543	0.595
5	0.589	0.574	0.429	0.517	0.462	0.665	0.699	0.696	0.706	0.711	0.568	0.595
6	0.544	0.619	0.459	0.434	0.521	0.665	0.700	0.749	0.707	0.713	0.580	0.595
7	0.523	0.619	0.459	0.445	0.518	0.665	0.534	0.811	0.686	0.622	0.581	0.573
8	0.586	0.619	0.460	0.475	0.619	0.588	0.554	0.811	0.658	0.588	0.580	0.604
9	0.611	0.551	0.445	0.493	0.619	0.610	0.545	0.811	0.613	0.588	0.590	0.604
10	0.611	0.589	0.481	0.544	0.619	0.570	0.535	0.793	0.650	0.588	0.601	0.580
11	0.611	0.549	0.384	0.544	0.462	0.523	0.536	0.750	0.686	0.591	0.618	0.595
12	0.596	0.570	0.433	0.544	0.471	0.544	0.536	0.825	0.686	0.589	0.612	0.596
13	0.613	0.581	0.459	0.487	0.458	0.544	0.468	0.866	0.686	0.581	0.623	0.596
14	0.607	0.582	0.459	0.500	0.487	0.544	0.468	0.867	0.653	0.556	0.625	0.632
15	0.528	0.581	0.459	0.441	0.529	0.518	0.546	0.867	0.652	0.546	0.624	0.591
16	0.508	0.590	0.473	0.401	0.529	0.525	0.537	0.867	0.699	0.587	0.658	0.589
17	0.508	0.556	0.493	0.468	0.492	0.539	0.583	0.894	0.625	0.587	0.637	0.503
18	0.509	0.550	0.442	0.468	0.482	0.566	0.583	0.899	0.624	0.586	0.724	0.547
19	0.548	0.562	0.510	0.468	0.519	0.693	0.583	0.808	0.624	0.492	0.652	0.546
20	0.506	0.555	0.524	0.573	0.555	0.693	0.546	1.051	0.624	0.435	0.660	0.547
21	0.442	0.556	0.524	0.520	0.606	0.693	0.545	0.810	0.716	0.578	0.660	0.618
22	0.439	0.555	0.524	0.508	0.607	0.626	0.536	0.810	0.705	0.551	0.597	0.547
23	0.462	0.793	0.493	0.520	0.606	0.531	0.550	0.810	0.703	0.609	0.590	0.575
24	0.462	0.555	0.453	0.589	0.606	0.485	0.639	0.913	0.680	0.609	0.552	0.570
25	0.463	0.536	0.474	0.589	0.656	0.485	0.640	0.788	0.753	0.609	0.617	0.570
26	0.439	0.536	0.437	0.589	0.492	0.493	0.640	0.857	0.754	0.541	0.617	0.570
27	0.473	0.536	0.498	0.557	0.480	0.493	0.699	0.899	0.753	0.574	0.617	0.570
28	0.448	0.536	0.498	0.481	0.483	0.495	0.578	0.899	0.788	0.580	0.617	0.597
29	0.406		0.497	0.562	0.575	0.493	0.659	0.899	0.802	0.570	0.617	0.549
30	0.604		0.486	0.579	0.575	0.614	0.711	0.879	0.679	0.564	0.608	0.575
31	0.604		0.527		0.575		0.729	0.810		0.565		
Total												
(MG/Month)	16.392	16.254	14.750	15.279	16.825	17.050	18.473	25.573	20.749	18.427	18.188	17.409
·												

215.369 MGY 660.90079 ac-ft/year

G-M Water Supply Corporation Monthly Operating Reports 2000 (MGD)

Day	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00
1	0.639	0.586	0.573	0.488	0.571	0.708	0.552	0.599	0.820	0.887
2	0.639	0.559	0.549	0.488	0.498	0.667	0.552	0.630	0.929	0.886
3	0.639	0.544	0.550	0.488	0.470	0.716	0.553	0.596	0.929	1.038
4	0.534	0.556	0.601	0.444	0.470	0.716	0.595	0.627	0.929	0.643
5	0.469	0.580	0.600	0.480	0.448	0.716	0.596	0.764	0.939	0.609
6	0.507	0.581	0.601	0.467	0.524	0.514	0.543	0.764	0.840	0.561
7	0.510	0.580	0.608	0.482	0.525	0.554	0.543	0.764	0.828	0.611
8	0.516	0.547	0.632	0.517	0.525	0.555	0.675	0.805	0.765	0.608
9	0.515	0.596	0.579	0.519	0.550	0.573	0.675	0.625	0.687	0.608
10	0.516	0.636	0.557	0.517	0.579	0.646	0.675	0.635	0.680	0.608
11	0.506	0.627	0.602	0.498	0.524	0.646	0.681	0.557	0.680	0.635
12	0.518	0.558	0.600	0.482	0.507	0.645	0.676	0.744	0.639	0.609
13	0.523	0.559	0.600	0.463	0.637	0.820	0.709	0.744	0.711	0.607
14	0.510	0.558	0.566	0.505	0.637	0.609	0.714	0.744	0.621	0.671
15	0.555	0.503	0.570	0.503	0.637	0.585	0.767	0.738	0.676	0.669
16	0.555	0.505	0.509	0.504	0.690	0.689	0.767	0.701	0.652	0.672
17	0.556	0.536	0.543	0.503	0.526	0.831	0.767	0.756	0.649	0.745
18	0.555	0.475	0.529	0.528	0.552	0.830	0.838	0.607	0.648	0.744
19	0.564	0.541	0.530	0.526	0.542	0.831	0.784	0.800	0.648	0.623
20	0.521	0.540	0.529	0.534	0.565	0.602	0.863	0.800	0.711	0.651
21	0.509	0.540	0.537	0.643	0.565	0.435	0.802	0.800	0.629	0.677
22	0.555	0.540	0.562	0.644	0.565	0.592	0.872	0.707	0.616	0.673
23	0.555	0.520	0.748	0.643	0.529	0.693	0.872	0.672	0.677	0.673
24	0.555	0.511	0.607	0.644	0.542	0.693	0.872	0.632	0.673	0.766
25	0.559	0.514	0.565	0.533	0.588	0.693	0.872	0.645	0.673	0.734
26	0.477	0.591	0.564	0.493	0.677	0.693	1.043	0.791	0.565	0.699
27	0.527	0.591	0.565	0.529	0.672	0.681	0.747	0.786	0.519	0.689
28	0.507	0.591	0.554	0.503	0.672	0.584	0.982	0.786	0.511	0.585
29	0.566	0.577	0.471	0.570	0.672	0.560	0.819	0.806	0.561	0.579
30	0.567		0.486	0.571	0.672	0.477	0.819	0.807	0.886	0.579
31	0.566		0.479		0.683		0.819	0.854		0.620
Total										
(MG/Month)	16.790	16.142	17.566	15.709	17.814	19.554	23.044	22.286	21.291	20.959

191.155 MGY 586.5947 ac-ft/year

Beechwood Water Supply Corporation Monthly Operating Reports 1998 (MGD)

Day	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Oct-98	Nov-98	Dec-98
1	0.156	0.050	0.000	0.000	0.100	0.169	0.457	0.234	0.060	0.059	0.047	0.040
2	0.062	0.055	0.069	0.000	0.070	0.179	0.041	0.239	0.050	0.070	0.058	0.044
3	0.126	0.053	0.075	0.186	0.000	0.303	0.205	0.128	0.050	0.060	0.043	0.045
4	0.000	0.000	0.116	0.000	0.177	0.114	0.184	0.171	0.050	0.061	0.063	0.151
5	0.165	0.056	0.000	0.159	0.037	0.185	0.224	0.185	0.350	0.153	0.049	0.000
6	0.000	0.000	0.004	0.000	0.125	0.000	0.246	0.166	0.249	0.028	0.078	0.000
7	0.060	0.048	0.000	0.000	0.000	0.204	0.250	0.036	0.152	0.054	0.079	0.043
8	0.059	0.000	0.125	0.000	0.177	0.000	0.192	0.095	0.096	0.056	0.012	0.043
9	0.000	0.156	0.159	0.329	0.000	0.181	0.246	0.080	0.101	0.037	0.040	0.037
10	0.085	0.069	0.000	0.121	0.095	0.112	0.235	0.000	0.055	0.059	0.046	0.036
11	0.037	0.000	0.000	0.213	0.111	0.085	0.179	0.105	0.053	0.052	0.048	0.140
12	0.027	0.092	0.000	0.000	0.180	0.123	0.173	0.010	0.077	0.080	0.049	0.000
13	0.140	0.046	0.154	0.075	0.144	0.098	0.221	0.062	0.155	0.035	0.048	0.000
14	0.000	0.160	0.205	0.000	0.000	0.123	0.000	0.076	0.155	0.042	0.049	0.020
15	0.045	0.000	0.000	0.132	0.121	0.159	0.082	0.095	0.063	0.053	0.043	0.000
16	0.179	0.268	0.085	0.138	0.000	0.195	0.229	0.069	0.085	0.025	0.010	0.047
17	0.000	0.092	0.000	0.000	0.000	0.163	0.088	0.079	0.057	0.018	0.021	0.043
18	0.000	0.013	0.000	0.000	0.000	0.102	0.225	0.039	0.000	0.104	0.022	0.052
19	0.010	0.000	0.136	0.120	0.151	0.084	0.238	0.107	0.085	0.045	0.089	0.100
20	0.000	0.172	0.089	0.000	0.095	0.140	0.420	0.078	0.063	0.057	0.051	0.000
21	0.000	0.000	0.151	0.171	0.235	0.184	0.050	0.082	0.039	0.043	0.051	0.044
22	0.055	0.000	0.000	0.000	0.183	0.152	0.050	0.102	0.000	0.042	0.052	0.051
23	0.076	0.173	0.000	0.130	0.208	0.208	0.223	0.165	0.019	0.110	0.041	0.155
24	0.000	0.261	0.199	0.230	0.260	0.173	0.207	0.030	0.364	0.025	0.041	0.000
25	0.000	0.000	0.000	0.000	0.150	0.144	0.233	0.198	0.041	0.045	0.041	0.000
26	0.105	0.150	0.186	0.000	0.140	0.160	0.073	0.000	0.113	0.041	0.043	0.155
27	0.000	0.091	0.000	0.000	0.187	0.009	0.106	0.104	0.103	0.041	0.079	0.000
28	0.034	0.000	0.203	0.230	0.187	0.197	0.129	0.126	0.053	0.062	0.045	0.171
29	0.001		0.000	0.093	0.189	0.197	0.056	0.193	0.074	0.048	0.051	0.049
30	0.123		0.000	0.017		0.199	0.114	0.020	0.074	0.057	0.043	0.060
31			0.196				0.230	0.063		0.033		0.040
Total												
(MG/Month)	1.544	2.003	2.154	2.344	3.323	4.338	5.604	3.136	2.886	1.695	1.432	1.566

Total Water Usage for the Year

32.026 MGY 98.276624 ac-ft/year

Beechwood Water Supply Corporation Monthly Operating Reports 1999 (MGD)

Day	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99
1	0.000	0.042	0.000	0.105	0.079	0.044	0.040	0.068	0.050	0.081	0.048	0.046
2	0.111	0.048	0.055	0.048	0.101	0.055	0.139	0.088	0.066	0.082	0.041	0.044
3	0.000	0.044	0.042	0.121	0.088	0.050	0.150	0.077	0.071	0.090	0.037	0.057
4	0.050	0.000	0.050	0.028	0.027	0.088	0.150	0.088	0.123	0.087	0.047	0.120
5	0.053	0.161	0.040	0.054	0.077	0.081	0.102	0.102	0.130	0.094	0.067	0.051
6	0.056	0.093	0.030	0.055	0.045	0.067	0.050	0.114	0.093	0.066	0.059	0.051
7	0.034	0.000	0.000	0.067	0.045	0.051	0.051	0.132	0.093	0.110	0.037	0.073
8	0.050	0.000	0.148	0.062	0.115	0.060	0.059	0.100	0.070	0.095	0.065	0.057
9	0.069	0.039	0.046	0.060	0.064	0.060	0.050	0.112	0.057	0.102	0.039	0.071
10	0.000	0.000	0.080	0.057	0.054	0.056	0.072	0.090	0.082	0.075	0.051	0.079
11	0.069	0.000	0.000	0.090	0.054	0.064	0.091	0.080	0.100	0.085	0.019	0.107
12	0.042	0.039	0.104	0.064	0.058	0.062	0.050	0.096	0.040	0.085	0.074	0.066
13	0.052	0.000	0.000	0.088	0.058	0.059	0.034	0.120	0.060	0.073	0.058	0.079
14	0.042	0.000	0.000	0.096	0.147	0.056	0.048	0.167	0.052	0.058	0.053	0.079
15	0.049	0.210	0.188	0.056	0.115	0.050	0.050	0.109	0.052	0.052	0.070	0.084
16	0.049	0.047	0.065	0.068	0.123	0.053	0.062	0.097	0.137	0.057	0.027	0.059
17	0.049	0.049	0.080	0.069	0.000	0.076	0.046	0.102	0.072	0.048	0.054	0.076
18	0.049	0.057	0.134	0.053	0.063	0.068	0.058	0.125	0.106	0.056	0.053	0.084
19	0.079	0.091	0.130	0.060	0.063	0.062	0.055	0.110	0.069	0.063	0.052	0.049
20	0.000	0.000	0.141	0.068	0.127	0.089	0.073	0.139	0.126	0.125	0.067	0.102
21	0.000	0.119	0.140	0.065	0.000	0.076	0.085	0.113	0.082	0.180	0.059	0.044
22	0.155	0.000	0.136	0.066	0.115	0.050	0.063	0.169	0.090	0.198	0.044	0.080
23	0.230	0.111	0.114	0.082	0.071	0.050	0.063	0.097	0.114	0.064	0.063	0.076
24	0.031	0.000	0.076	0.093	0.072	0.048	0.093	0.098	0.138	0.059	0.044	0.078
25	0.029	0.097	0.060	0.140	0.041	0.068	0.087	0.171	0.117	0.131	0.060	0.069
26	0.029	0.098	0.077	0.000	0.036	0.078	0.069	0.084	0.099	0.079	0.057	0.073
27	0.031	0.000	0.000	0.120	0.064	0.035	0.080	0.135	0.097	0.056	0.075	0.077
28	0.031	0.095	0.107	0.000	0.068	0.057	0.086	0.166	0.177	0.061	0.063	0.083
29	0.000		0.000	0.069	0.129	0.059	0.076	0.106	0.159	0.064	0.050	0.070
30	0.000		0.098	0.076	0.095	0.058	0.091	0.121	0.150	0.050	0.044	0.099
31	0.000		0.000		0.024		0.157	0.084		0.048		0.092
Total												
(MG/Month)	1.439	1.440	2.141	2.080	2.218	1.830	2.380	3.460	2.872	2.574	1.577	2.275

Total Water Usage for the Year

26.286 MGY 80.664801 ac-ft/year

Beechwood Water Supply Corporation Monthly Operating Reports 2000 (MGD)

Day	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00
1	0.080		0.055	0.054	0.067	0.072	0.065	0.066	0.204	0.080
2	0.090		0.054	0.070	0.031	0.061	0.096	0.084	0.251	0.069
3	0.087		0.057	0.059	0.030	0.074	0.091	0.105	0.196	0.074
4	0.048		0.063	0.045	0.042	0.053	0.089	0.240	0.190	0.068
5	0.063		0.061	0.048	0.048	0.050	0.040	0.130	0.097	0.080
6	0.066		0.067	0.052	0.067	0.051	0.067	0.038	0.078	0.064
7	0.069		0.063	0.051	0.030	0.070	0.067	0.096	0.089	0.051
8	0.047		0.065	0.079	0.061	0.094	0.079	0.092	0.057	0.057
9	0.080		0.061	0.048	0.031	0.080	0.081	0.121	0.095	0.097
10	0.069		0.050	0.041	0.044	0.046	0.096	0.134	0.056	0.083
11	0.058		0.064	0.050	0.060	0.044	0.080	0.119	0.076	0.079
12	0.063		0.057	0.041	0.080	0.064	0.083	0.175	0.043	0.075
13	0.068		0.059	0.047	0.047	0.049	0.026	0.138	0.040	0.088
14	0.074		0.057	0.054	0.042	0.062	0.119	0.131	0.066	0.081
15	0.080		0.060	0.044	0.046	0.089	0.096	0.115	0.102	0.100
16	0.072		0.112	0.053	0.055	0.080	0.085	0.130	0.090	0.075
17	0.074		0.066	0.092	0.044	0.065	0.095	0.110	0.067	0.085
18	0.060		0.080	0.046	0.047	0.061	0.089	0.175	0.075	0.063
19	0.083		0.065	0.056	0.077	0.053	0.092	0.176	0.078	0.052
20	0.057		0.077	0.059	0.060	0.045	0.104	0.109	0.060	0.099
21	0.070		0.064	0.099	0.045	0.059	0.146	0.083	0.049	0.093
22	0.074		0.054	0.133	0.043	0.062	0.114	0.071	0.053	0.044
23	0.080		0.065	0.044	0.048	0.074	0.104	0.068	0.070	0.058
24	0.056		0.081	0.052	0.085	0.068	0.098	0.117	0.070	0.056
25	0.063		0.073	0.085	0.069	0.087	0.096	0.117	0.064	0.056
26	0.078		0.051	0.073	0.105	0.083	0.125	0.125	0.061	0.055
27	0.053		0.080	0.038	0.158	0.030	0.106	0.151	0.040	0.070
28	0.000		0.044	0.077	0.122	0.073	0.145	0.108	0.103	0.075
29	0.067		0.048	0.051	0.110	0.054	0.098	0.087	0.085	0.075
30	0.030		0.048	0.042	0.064	0.065	0.091	0.080	0.088	0.074
31	0.074		0.055		0.107		0.052	0.091		0.068
Total										
(MG/Month)	2.033		1.956	1.783	1.965	1.918	2.815	3.582	2.693	2.244

20.989 MGY 64.409881 ac-ft/year

South Sabine Water Supply Corporation Monthly Operating Reports 1998 Thousand Gallons per Day

Day	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Oct-98	Nov-98	Dec-98
1	40	52	55	46	40	179	124	134	64	229	49	59
2	40	50	40	37	40	135	104	200	87	133	49	51
3	55	24	40	52	126	132	170	208	78	98	43	45
4	50	41	36	60	40	125	170	190	105	87	49	51
5	46	40	42	74	60	131	160	150	152	100	55	52
6	22	45	40	63	85	73	198	125	170	93	47	50
7	20	50	40	42	58	80	117	89	209	96	53	40
8	17	45	40	59	75	83	146	92	124	82	51	45
9	20	38	60	57	92	84	144	100	102	94	66	40
10	25	24	75	73	89	55	166	103	210	87	71	41
11	57	28	70	80	100	100	165	82	90	112	39	41
12	37	32	22	103	73	109	200	101	69	112	44	40
13	40	50	40	100	82	153	203	94	70	111	48	58
14	20	42	43	80	82	150	91	83	74	81	61	58
15	46	50	50	58	72	150	100	70	80	102	118	43
16	34	49	62	61	105	112	95	74	60	110	57	41
17	46	36	38	44	100	100	80	85	79	52	45	53
18	48	30	56	43	128	144	137	86	99	80	43	43
19	46	37	44	49	114	134	200	80	60	100	46	43
20	30	34	87	48	65	150	153	102	60	79	49	61
21	36	44	63	33	102	175	142	120	117	74	34	58
22	38	49	45	50	97	175	135	107	80	43	59	42
23	21	43	60	57	132	92	132	100	80	48	59	45
24	37	34	45	50	210	108	118	95	30	56	48	63
25	20	44	53	70	200	120	200	84	8	60	41	66
26	39	15	57	73	139	120	140	81	14	60	60	41
27	38	45	41	81	79	120	106	109	25	34	52	55
28	27	45	61	54	80	125	97	85	242	58	80	59
29	40		77	38	142	63	108	140	100	49	80	43
30	34		40	38	112	108	162	120	223	61	44	56
31	40		65		160		133	125		54		52
Total												
(TG/Month)	1109	1116	1587	1773	3079	3585	4396	3414	2961	2635	1640	1535

28830 TGY 28.83 MGY 88.470222 ac-ft/year

South Sabine Water Supply Corporation Monthly Operating Reports 1999 Thousand Gallons per Day

Day	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99
1	67	60	46	40	75	81	60	127	81	50	51	50
2	67	45	49	70	95	60	76	91	63	60	41	50
3	70	40	50	77	47	60	136	95	73	71	50	60
4	67	49	60	84	54	52	140	90	86	107	40	60
5	42	59	45	64	55	95	134	100	100	60	40	50
6	43	40	47	53	63	99	82	151	100	68	62	70
7	53	60	60	44	71	100	71	144	80	70	69	50
8	68	65	79	48	99	58	58	200	74	43	72	30
9	43	53	62	49	100	64	48	129	50	50	42	44
10	52	33	63	70	100	70	60	124	45	60	60	38
11	64	43	47	72	52	59	80	140	63	66	70	42
12	64	47	44	70	41	60	71	127	80	47	49	52
13	41	45	70	76	54	80	58	113	69	73	27	50
14	58	78	61	54	54	55	62	215	70	151	65	39
15	42	64	45	54	45	55	68	213	65	275	85	28
16	60	45	62	45	73	56	53	133	72	332	53	43
17	60	43	72	80	79	43	61	140	74	280	70	45
18	65	55	68	59	74	70	63	135	130	102	45	55
19	69	40	50	52	132	75	37	141	144	45	67	43
20	53	49	85	70	79	110	57	129	85	57	72	43
21	68	66	70	45	76	95	53	135	74	50	65	31
22	52	67	54	70	80	95	60	135	80	48	65	55
23	50	40	84	65	70	250	45	200	61	70	41	35
24	62	46	48	70	77	112	70	216	100	80	54	50
25	55	47	49	70	80	61	50	136	103	70	59	50
26	51	87	56	91	76	52	87	150	100	42	52	50
27	45	64	47	58	64	50	184	134	122	74	77	60
28	62	69	65	43	63	66	86	118	102	66	77	24
29	43		52	61	73	66	80	160	61	64	50	163
30	61		61	61	90	50	100	175	47	67	55	198
31	45		42		100		100	120		54		50
Total												
(TG/Month)	1742	1499	1793	1865	2291	2299	2390	4416	2454	2752	1725	1708

26934 TGY 26.934 MGY 82.651993 ac-ft/year

South Sabine Water Supply Corporation Monthly Operating Reports 2000 Thousand Gallons per Day

Day	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00
1	50	44	48	81	90	95	90	62	140	100	83
2	68	50	52	49	55	115	80	85	195	110	62
3	80	30	48	63	30	140	95	110	245	80	60
4	73	40	90	38	50	120	90	100	225	80	60
5	42	50	88	59	40	70	95	133	205	100	70
6	40	60	76	47	55	65	63	157	140	75	60
7	45	60	73	73	45	50	57	120	100	55	60
8	40	50	67	46	60	60	95	120	80	70	55
9	45	44	79	59	56	80	91	100	80	45	45
10	50	42	69	70	79	56	123	105	100	65	70
11	38	42	71	55	65	74	81	120	80	40	60
12	66	53	77	40	70	80	104	160	85	65	55
13	43	79	69	35	80	100	91	195	70	50	65
14	38	0	58	32	58	95	120	165	85	85	40
15	65	41	55	56	64	50	115	110	85	65	60
16	55	37	57	65	63	51	155	136	100	80	40
17	70	50	69	55	65	55	120	114	105	50	45
18	47	68	40	50	60	74	132	125	80	45	65
19	63	60	84	70	65	65	128	150	80	60	50
20	50	65	80	54	64	60	135	205	90	75	60
21	44	75	46	78	64	55	130	150	60	111	65
22	53	72	54	122	55	55	201	135	55	84	50
23	50	44	48	122	77	65	215	100	60	80	65
24	68	55	67	68	75	100	189	100	70	45	80
25	66	57	61	58	90	110	125	115	75	75	75
26	71	70	79	53	85	115	105	130	55	60	75
27	49	60	52	57	140	85	105	170	190	70	80
28	66	52	43	56	150	60	135	135	235	90	50
29	44	40	48	65	155	60	156	130	70	80	45
30	39		46	99	116	55	190	135	80	85	65
31	40		56		114		162	100		70	
Total											
(TG/Month)	1658	1490	1950	1875	2335	2315	3773	3972	3320	2245	1815

26748 TGY 26.748 MGY 82.081217 ac-ft/year

El Camino Water Supply Corporation Monthly Operating Reports 1999 (MGD)

Date	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99
1	0.020	0.011	0.013	0.012	0.016	0.015	0.019	0.038	0.047	0.013	0.011	0.013
2	0.027	0.011	0.012	0.013	0.017	0.013	0.029	0.030	0.026	0.013	0.010	0.009
3	0.020	0.011	0.010	0.015	0.014	0.025	0.028	0.029	0.036	0.018	0.008	0.011
4	0.012	0.011	0.011	0.015	0.012	0.016	0.027	0.026	0.026	0.017	0.010	0.010
5	0.010	0.011	0.013	0.013	0.012	0.020	0.022	0.026	0.033	0.015	0.010	0.009
6	0.011	0.012	0.015	0.011	0.014	0.030	0.023	0.034	0.028	0.020	0.014	0.011
7	0.012	0.011	0.013	0.011	0.017	0.039	0.018	0.040	0.029	0.016	0.016	0.011
8	0.010	0.011	0.013	0.012	0.020	0.025	0.015	0.055	0.024	0.010	0.015	0.012
9	0.012	0.011	0.011	0.010	0.021	0.026	0.018	0.031	0.023	0.010	0.013	0.010
10	0.012	0.012	0.011	0.013	0.017	0.026	0.016	0.036	0.027	0.011	0.016	0.011
11	0.012	0.010	0.016	0.016	0.011	0.023	0.014	0.033	0.026	0.010	0.016	0.009
12	0.011	0.009	0.015	0.016	0.012	0.018	0.015	0.042	0.029	0.004	0.014	0.010
13	0.011	0.011	0.013	0.015	0.010	0.017	0.013	0.040	0.032	0.013	0.016	0.010
14	0.010	0.010	0.012	0.017	0.013	0.015	0.016	0.034	0.030	0.013	0.017	0.009
15	0.010	0.011	0.013	0.010	0.019	0.016	0.015	0.035	0.035	0.013	0.015	0.011
16	0.011	0.012	0.012	0.009	0.022	0.019	0.017	0.038	0.029	0.011	0.015	0.011
17	0.012	0.012	0.013	0.011	0.020	0.020	0.023	0.037	0.035	0.012	0.017	0.014
18	0.012	0.010	0.012	0.014	0.014	0.032	0.026	0.050	0.024	0.013	0.013	0.018
19	0.012	0.010	0.015	0.014	0.015	0.034	0.019	0.057	0.028	0.004	0.015	0.018
20	0.011	0.012	0.014	0.014	0.014	0.034	0.015	0.044	0.024	0.010	0.015	0.019
21	0.010	0.011	0.015	0.016	0.017	0.037	0.014	0.041	0.026	0.009	0.011	0.018
22	0.010	0.011	0.019	0.013	0.020	0.028	0.016	0.043	0.018	0.010	0.015	0.020
23	0.010	0.010	0.015	0.017	0.026	0.014	0.018	0.043	0.017	0.010	0.014	0.019
24	0.012	0.010	0.020	0.014	0.024	0.013	0.023	0.041	0.037	0.012	0.012	0.016
25	0.010	0.010	0.013	0.020	0.020	0.012	0.032	0.037	0.021	0.011	0.013	0.012
26	0.010	0.011	0.012	0.018	0.016	0.013	0.025	0.035	0.019	0.011	0.013	0.011
27	0.010	0.010	0.013	0.014	0.012	0.012	0.023	0.035	0.029	0.016	0.017	0.013
28	0.010	0.012	0.014	0.011	0.015	0.016	0.031	0.036	0.020	0.012	0.020	0.014
29	0.011		0.012	0.012	0.016	0.018	0.033	0.053	0.018	0.016	0.013	0.012
30	0.010		0.011	0.013	0.020	0.017	0.028	0.050	0.011	0.015	0.012	0.010
31	0.012		0.012		0.022		0.025	0.044		0.012		0.011
Total												
(MG/Month)	0.373	0.304	0.413	0.409	0.518	0.643	0.656	1.213	0.807	0.380	0.416	0.392

6.524 MGY 20.021336 ac-ft/year

El Camino Water Supply Corporation Monthly Operating Reports 1999 (MGD)

Date	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00
1	0.015	0.009	0.011	0.008	0.014	0.020	0.012	0.016	0.038	0.019	0.022
2	0.011	0.010	0.012	0.009	0.009	0.020	0.015	0.026	0.029	0.021	0.018
3	0.017	0.010	0.015	0.010	0.007	0.020	0.013	0.017	0.045	0.021	0.010
4	0.016	0.009	0.012	0.008	0.008	0.018	0.013	0.035	0.039	0.022	0.013
5	0.010	0.009	0.016	0.007	0.009	0.011	0.011	0.024	0.031	0.027	0.012
6	0.010	0.009	0.018	0.009	0.008	0.008	0.014	0.024	0.034	0.013	0.012
7	0.010	0.011	0.013	0.009	0.010	0.009	0.012	0.028	0.022	0.009	0.011
8	0.010	0.011	0.013	0.011	0.014	0.020	0.014	0.025	0.021	0.009	0.010
9	0.010	0.013	0.013	0.011	0.010	0.014	0.011	0.026	0.017	0.011	0.011
10	0.011	0.014	0.014	0.011	0.010	0.011	0.013	0.043	0.015	0.011	0.012
11	0.010	0.012	0.016	0.010	0.008	0.013	0.011	0.034	0.022	0.011	0.011
12	0.010	0.014	0.010	0.010	0.012	0.017	0.017	0.020	0.014	0.014	0.011
13	0.012	0.011	0.011	0.008	0.012	0.019	0.017	0.013	0.015	0.014	0.011
14	0.011	0.010	0.011	0.009	0.009	0.018	0.027	0.020	0.007	0.013	0.011
15	0.010	0.008	0.009	0.009	0.012	0.018	0.029	0.025	0.012	0.014	0.010
16	0.012	0.010	0.010	0.010	0.013	0.015	0.031	0.017	0.015	0.014	0.010
17	0.015	0.011	0.011	0.010	0.014	0.015	0.028	0.019	0.021	0.013	0.011
18	0.015	0.016	0.011	0.010	0.017	0.013	0.033	0.029	0.026	0.010	0.010
19	0.017	0.018	0.011	0.012	0.022	0.010	0.020	0.032	0.030	0.013	0.010
20	0.012	0.011	0.011	0.015	0.013	0.008	0.024	0.030	0.018	0.016	0.010
21	0.012	0.015	0.010	0.025	0.010	0.008	0.037	0.025	0.014	0.016	0.012
22	0.010	0.014	0.009	0.019	0.010	0.008	0.030	0.026	0.011	0.016	0.013
23	0.013	0.017	0.010	0.021	0.010	0.010	0.028	0.024	0.014	0.016	0.013
24	0.013	0.013	0.011	0.018	0.012	0.011	0.034	0.021	0.021	0.013	0.015
25	0.010	0.014	0.011	0.011	0.013	0.012	0.035	0.023	0.014	0.021	0.014
26	0.011	0.017	0.013	0.009	0.014	0.015	0.031	0.031	0.009	0.020	0.015
27	0.010	0.012	0.010	0.011	0.020	0.016	0.022	0.029	0.013	0.024	0.011
28	0.010	0.011	0.009	0.009	0.025	0.010	0.030	0.025	0.018	0.013	0.011
29	0.010	0.011	0.011	0.011	0.022	0.008	0.026	0.041	0.029	0.012	0.009
30	0.009		0.008	0.013	0.020	0.010	0.027	0.027	0.018	0.024	0.009
31	0.009		0.009		0.014		0.011	0.040		0.035	
Total											
(MG/Month)	0.361	0.350	0.359	0.343	0.401	0.405	0.676	0.815	0.632	0.505	0.358

5.205 MGY 15.972511 ac-ft/year

Proposed Sanitary Sewer System Modeling for Existing Beechwood/South Sabine

		Man	holes		Length	WW Flows in	Flow		Diameter	Pipe	Velocity	Max Full Pipe	Full
Reach	Up	stream	Dow	nstream	,	Pipe		Slope		Area		Velocity	Capacity
	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		MH-1		3600	47.38	0.19	0.0000	3	0.05	3.86	3.86	0.19
2	MH-1	215.0	WW-1	205.0	6050	84.93	0.11	0.00017	6	0.20	0.54	1.16	0.23
FM	LS-2		WW-1		1200	4.62	0.01	0.0000	2	0.02	0.47	0.47	0.01
FM	LS-3		WW-1		2930	146.75	0.33	F0:0000	3	0.05	6.66	6.66	0.33
FM	LS-4		MH-2		4580	16.76	0.04	0.0000	2	0.02	1.71	1.71	0,04
3	MH-2	240.0	MH-3	210.0	1050	16.76	0.04	0.0286	2	0.02	1.71	2.33	0,05
4	MH-3	210.0	LS-3	182.0	2280	65.87	0.15	0.0123	4	0.09	1,68	2.42	0.21
FM	LS-5		MH-3		3100	49.11	0.11	=0.0000	2	0.02	5.02	5.02	0.11
FM	LS-6		LS-5		6200	35.24	0.08	0:0000	2	0.02	3.60	3.60	0.08
FM	LS-7		MH-4		3000	7.51	0.02	0.0000.	2	0.02	0.77	0.77	0.02
5	MH-4	240.0	LS-6	200.0	1200	7.51	0.02	0,0383	2	0.02	0.77	2.51	0.05
FM	LS-8		LS-6		4570	16.18	0.04	=0.0000	2	0.02	1.65	1.65	0.04
FM	LS-9		MH-5		1800	6.36	0.01	±0:0000	2	0.02	0.65	0.65	0.01
6	MH-5	240.0	LS-8	210.0	900	6.36	0.01	0.0333	2	0.02	0.65	2.51	0.01
FM	LS-10		LS-8		900	9.82	0.02	0.0000	2	0.02	1.00	1.00	=0.02
FM	LS-11		LS-3		3500	75.69	0.17	0.0000	3	0.05_	3.44	3.44	0,47
FM	LS-12		LS-11		3560	65.29	0.15	0.0000	2	0.02	6.67	6.67	0.15
FM	LS-13		LS-12		2220	17.33	0.04	0.0000	2	0.02	1.77	1.77	0.04
FM	LS-14		LS-12		3500	10.98	0.02	0.0000	2	0.02	1.12	1.12	0.02
FM	LS-15		LS-12		7100	32.93	0.07	-0,0000	2	0.02	3.37	3.37	0.07
FM	LS-16		MH-6		3410	12.13	0.03	.0.0000	2	0.02	1.24	1.24	0.03
6	MH-6	250.0	WW-2	195.0	3680	73.38	0.16	0.0149	4	0.09	1.87	2.67	0.23
FM	LS-17		MH-6		1850	24.27	0.05	-0.0000	2	0.02	2.48	2.48	0:05
FM	LS-18		MH-6		1950	20.80	0.05	-0.0000	2	0.02	2.13	2.13	0.05
7	MH-7	280.0	WW-2	195.0	2800	33.51	0.07	0.0304	2.5	0.03	2.19	2.78	0.09
FM	LS-19		MH-5		3050	17.91	0.04	0.0000	2	0.02	1.83	1.83	0.04
FM	LS-20		LS-21		1800	6.93	0.02	-00000	2	0.02	0.71	0.71	0,02
FM	LS-21		MH-7		2520	9.81	0.02	0.0000	2	0.02	1.00	1.00	0.02

Proposed Sanitary Sewer System Modeling for 2050 Beechwood/South Sabine

		Manl	noles		Length	WW Flows in	Flow		Diameter	Pipe Area	Velocity	Max Full Pipe	
Reach	Upst	ream	Down:	stream		Pipe		Slope				Velocity	Capacity
	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		MH-1		3600	63.4	0.25	-0.0000	3	0.05	5.16	5.16	0.25
2	MH-1	215.0	WW-1	205.0	6050	113.7	0.14	SECO17	3	0.05	2.88	0.73	0.04
FM	LS-2		WW-1		1200	6.2	0.01	0.0000	2	0.02	0.63	0.63	0.01
FM	LS-3		WW-1		2930	196.4	0.44	=0.0000=	4	0.09	5.02	5.02	0.44
FM	LS-4	Ţ	MH-2		4580	22.4	0.05	=0.0000	2	0.02	2.29	2.29	0.05
3	MH-2	240.0	MH-3	210.0	1050	22.4	0.05	0.0286	2	0.02	2.29	2.33	0.05
4	MH-3	210.0	LS-3	182.0	2280	88.1	0.20	\$ (50 M/4)	4	0.09	2.25	2.42	0.21
FM	LS-5		MH-3		3100	65.7	0.15	0,0000	2	0.02	6.72	6.72	0.15
FM	LS-6		LS-5		6200	47.2	0.11	11/04/01	2	0.02	4.82	4.82	0.11
FM	LS-7		MH-4		3000	10.1	0.02	0.0000	2	0.02	1.03	1.03	0.02
5	MH-4	240.0	LS-6	200.0	1200	10.1	0.02	HIMMAN	2	0.02	1.03	2.51	0.05
FM	LS-8		LS-6		4570	21.6	0.05		2	0.02	2.21	2.21	0.05
FM_	LS-9		MH-5		1800	8.5	0.02	FOR COLUMN	2	0.02	0.87	0.87	0.02
6	MH-5	240.0	LS-8	210.0	900	8.5	0.02	EDAUS/OSE	2	0.02	0.87	0.87	0.02
FM	LS-10		LS-8		900	_13.1	0.03	SERVICE .	2	0.02	1.34	1.34	0.03
FM_	LS-11		LS-3		3500	101.3	0.23	=0.0000=	3	0.05	4.60	4.60	0.23
FM_	LS-12		LS-11		3560	87.4	0.19	=0.0000.	3	0.05	3.97	3.97	0.19
FM	LS-13		LS-12		2220	23.2	0.05	0.0000	2	0.02	2.37	2.37	0.05
FM_	LS-14		LS-12		3500	14.7	0.03	<u></u> 20000.0≡	2	0.02	1.50	1.50	0.03
FM	LS-15		LS-12		7100	44.1	0.10	0.0000	2	0.02	4.50	4.50	0.10
FM	LS-16		MH-6		3410	16.2	0.04	- 0:0000-	2	0.02	1.66	1.66	0.04
6	MH-6	250.0	WW-2	195.0	3680	98.2	0.22	0.0149	4	0.09	2.51	2.67	0.23
FM	LS-17		MH-6		1850	32.5	0.07	₹0.0000	2	0.02	3.32	3.32	0.07
FM_	LS-18		MH-6		1950	27.8	0.06	±0.0000 =	2	0.02	2.84	2.84	0.06
7	MH-7	280.0	WW-2	195.0	2800	44.8	0.40	0.0304	3	0.05	2.04	3.14	0.15
FM	LS-19		MH-5		3050	24.0	0.05	=0.0000	2	0.02	2.45	2.45	0.05
FM	LS-20		LS-21		1800	9.3	0.02	0.0000	2	0.02	0.95	0.95	0.02
FM	LS-21		MH-7		2520	13.1	0.03	-0.0000	2	0.02	1.34	1.34	0.03

Proposed Sanitary Sewer System Modeling for Existing Timberlane

		Mar	holes		Length	WW Flows in	Flow		Diameter	Pipe	Velocity	Max Full Pipe	Full
Reach	Up	stream	Dow	nstream	2011.511	Pipe		Slope		Area	relocity	Velocity	Capacity
_	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		LS-2		5600	15.02	0.03	0.0000	2	0.02	1.54	1.54	0.03
FM	LS-2		MH-1		1920	20.80	0.05	0.0000	2.	0.02	2.13	2.13	0.05
FM	LS-3		MH-1		10820	16.76	0.04	0.0000	2	0.02	1.71	1.71	0.04
1	MH-1	265.0	WW-1	200.0	3640	37.56	0.08	0.0179	3	0.05	1.71	2.41	0.12
FM	LS-4		LS-5		4240	31.78	0.07	0.0000	2	0.02	3.25	3.25	-0,07
FM	LS-5		WW-1		2730	41.02	0.09	0.0000	2	0.02	4.19	4.19	0.09
FM	LS-6		LS-7		3700	11.56	0.03	-0700mg-	2	0.02	1.18	1.18	0.03
FM	LS-7		WW-1		1440	68.76	0.15	#(£0100)	3	0.05	3.12	3.12	0.15
FM	LS-8		LS-9		4470	13.87	0.03		2	0.02	1.42	1.42	0.03
FM	LS-9		LS-12		6980	23.11	0.05		2	0.02	2.36	2.36	0.05
FM	LS-10		LS-11		1890	14.44	0.03	ZITTIONE:	2	0.02	1.48	1.48	0.03
FM	LS-11		LS-12		3460	38.71	0.09		2	0.02	3.96	3.96	0.09
FM	LS-12		WW-2		3720	61.82	0.14	=0.00000.	2	0.02	6.32	6.32	0.14
FM	LS-13		WW-2		7470	20.80	0.05	TERMONT	2	0.02	2.13	2.13	0.05
FM	LS-14		WW-2		6270	5.20	0.01		2	0.02	0.53	0.53	0.01
FM	LS-15		WW-2		2900	6.93	0.02	0:0000	2	0.02	0.71	0.71	0.02

Proposed Sanitary Sewer System Modeling for 2050 Timberlane

		Man	holes		Length	WW Flows in	Flow		Diameter	Pipe Area	Velocity	Max Full Pipe	Full
Reach	Ups	tream	Down	stream		Pipe		Slope				Velocity	Capacity
	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		LS-2		5600	20.3	0.05	_0.0000	2	0.02	2.07	2.07	0.05
FM	LS-2		MH-1		1920	28.1	0.06	0.0000	2	0.02	2.87	2.87	0.06
FM	LS-3		MH-1		10820	22.6	0.05	0.0000	2	0.02	2.31	2.31	0.05
1	MH-1	265.0	WW-1	200.0	3640	50.7	0.11	= 0.0179	3_	0.05	2.30	2.41	0.12
FM	LS-4		LS-5		4240	42.9	0.10	0.0000	2	0.02	4.39	4.39	0.10
FM	LS-5		WW-I		2730	55.4	- 0.12	= 0.0000 -	2	0.02	5.66	5.66	0.12
FM	LS-6		LS-7		3700	15.6	0.03	= 00000	2	0.02	1.60	1.60	0.03
FM	LS-7		WW-1		1440	92.9	0.21	0.0000	3	0.05	4.22	4.22	0.21
FM	LS-8		LS-9		4470	18.7	0.04	0.0000	2	0.02	1.91	1.91	0.04
FM	LS-9		LS-12		6980	31.2	0.07	20,0000	2	0.02	3.19	3.19	0.07
FM	LS-10		LS-11		1890	19.5	0.04	OXIDADE	2	0.02	1.99	1.99	0.04
FM	LS-11		LS-12		3460	52.3	0.12		2	0.02	5.34	5.34	- 0.12
FM	LS-12		WW-2		3720	83.5	0.19	14071013	3	0.05	3.79	3.79	0.19
FM	LS-13		WW-2		7470	28.1	0.06	30000	2	0.02	2.87	2.87	0.06
FM	LS-14		WW-2		6270	7.0	0.02	0.0000	2	0.02	0.72	0.72	0.02
FM	LS-15		WW-2		2900	9.4	0.02	0.0000	2	0.02	0.96	0.96	0.02

Proposed Sanitary Sewer System Modeling for Existing El Camino

Dooch			holes		Length	WW Flows in Pipe	Flow	Clama	Diameter	Pipe Area	Velocity	Max Full Pipe Velocity	Full Capacity
Reach	Up	stream	Dow	nstream		ripe		Slope				Velocity	Сарасну
	Name	Elevation	Name	Elevation	feet	gpm	cfs	_	inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		LS-2		8040	4.62	0.01	- 0.0000	2	0.02	0.47	0.47	0.01
FM	LS-2		LS-4		7030	4.62	0.01	.0.0000	2	0.02	0.47	0.47	0.01
FM	LS-3		LS-4		2100	6.36	0.01	0.0000	2	0.02	0.65	0.65	0.01
FM	LS-4		LS-6		5380	10.98	0.02	0.0000=	2	0.02	1.12	1.12	0.02
FM	LS-5		LS-6		3220	2.31	0.01	0.0000	2	0.02	0.24	0.24	0.01
FM	LS-6		LS-9		1380	19.07	0.04	0:0000	2	0.02	1.95	1.95	0.04
FM	LS-7	_	LS-9		2330	6.36	0.01	-0.0000	2	0.02	0.65	0.65	0.01
FM	LS-8		LS-9		3300	31.78	0.07	0.0000	2	0.02	3.25	3.25	0.07
FM	LS-9		MH-1		1050	76.84	0.17	=0.0000	2.5	0.03	5.03	5.03	0.17
1	MH-1	240.0	WW-1	175.0	1490	141.56	0.32	0.0438	4	0.09	3.62	4.56	0.40
FM	LS-10		MH-2		2550	35.24	0.08	(100000)	2	0.02	3.60	3.60	80.0
2	MH-2	220.0	WW-2	183.0	2100	61.24	0.14	0.0076	4	0.09	1.56	2.90	0.25
3	MH-3	280.0	LS-11	175.0	8580	9.24	0.02	HOUSE	2	0.02	0.94	1.52	0.03
FM	LS-11		MH-4		2030	18.48	0.04	0.0000	2	0.02	1.89	1.89	0.04
4	MH-4	190.0	WW-3	170.0	2250	57.77	0.13	0.0089	4	0.09	1.48	2.06	0.18
FM	LS-12		LS-13		2890	4.91	0.01	0.0000	2	0.02	0.50	0.50	0.01
FM	LS-13		MH-5		2250	24.55	0.05	0.0000	2	0.02	2.51	2.51	0.05
5	MH-5	240.0	MH-6	225.0	8550	24.55	0.05	-0.0018	4	0.09	0.63	0.92	0.08
FΜ	LS-14		LS-16		6450	14.44	0.03	0.0000	2	0.02	1.48	1.48	0.03
FM	LS-15		LS-16		1800	8.09	0.02	0:0000	2	0.02	0.83	0.83	0.02
FM	LS-16		MH-6		1500	22.53	0.05	0.0000	2	0.02	2.30	2.30	0.05
6	MH-6	225.0	WW-4	175.0	4650	47.08	0.10	= 0.0108	4	0.09	1.20	2.27	0.20

Proposed Sanitary Sewer System Modeling for 2050 El Camino

		Mani	noles		Length	WW Flows in	Flow		Diameter	Pipe Area	Velocity	Max Full Pipe	Full
Reach	Upst	ream	Downs	stream		Pipe		Slope	Diamoto.	00700.		Velocity	Capacity
ĺ	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		LS-2		8040	6	0.01	0.0000	2	0.02	0.63	0.63	0.01
FM	LS-2		LS-4		7030	6.2	0.01	0.0000	2	0.02	0.63	0.63	0.01
FM	LS-3		LS-4		2100	8.5	0.02	0.0000	. 2	0.02	0.87	0.87	0.02
FM	LS-4		LS-6		5380	14.7	0.03	0.0000	2	0.02	1.50	1.50	0.03
FM	LS-5		LS-6		3220	3.1	0.01	0.0000	2	0.02	0.32	0.32	0.01
FM	LS-6		LS-9		1380	25.5	0.06	0.0000	2	0.02	2.61	2.61	0.06
FM	LS-7		LS-9		2330	8.5_	0.02	∓0:0000	2	0.02	0.87	0.87	0.02
FM	LS-8		LS-9		3300	42.5	0.09	0.0000	2	0.02	4.35	4.35	0.09
FM	LS-9		MH-1		1050	102.8	0.23	-0.0000	3	0.05	4.67	4.67	0.23
1	MH-1	240.0	WW-1	175.0	1490	189.4	0.42	-0.0436	6	0.20	2.15	5.98	1,17
FM	LS-10		MH-2		2550	47.2	0.11	= 0.0000=	2	0.02	4.82	4.82	0.11
2	MH-2	220.0	WW-2	183.0	2100	82.0	0.18	0.0176	4	0.09	2.09	2.90	0.25
3	MH-3	280.0	LS-11	175.0	8580	12.4	0.03	= 0.0122=	2	0.02	1.26	1.52	0.03
FM	LS-11		MH-4		2030	24.7	0.06	=0.0000	2	0.02	2.53	2.53	0.06
4	MH-4	190.0	WW-3	170.0	2250	77.3	0.17	0.0089	4	0.09	1.97	2.06	0.18
FM	LS-12		LS-13		2890	6.6	0.01	-0.0000	2	0.02	0.67	0.67	0.01
FM	LS-13		MH-5		2250	32.9	0.07	0.0000	2	0.02	3.36	3.36	0.07
5	MH-5	240.0	MH-6	225.0	8550	32.9	0.07	0.0018	4	0.09	0.84	0.92	0.08
FM	LS-14		LS-15		3450	19.3	0.04	0:0000	2	0.02	1.97	1.97	0.04
FM	LS-15		LS-16		1800	10.8	0.02	0.0000	2	0.02	1.11	1.11	0.02
FM	LS-15		MH-6		3150	30.2	0.07	0.0000	2	0.02	3.08	3.08	0.07
6	MH-6	225.0	WW-4	175.0	4650	63.0	0.14	0.0108	4	0.09	1.61	2.27	0.20

Proposed Sanitary Sewer System Modeling for Existing Midlake

Reach			nholes		Length	WW Flows in Pipe	Flow	Slope	Diameter	Pipe Area	Velocity	Max Full Pipe Velocity	Full Capacity
Reach		stream		nstream		,50	_	Slope		7		······································	<u> </u>
<u> </u>	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft²	ft/sec.	ft/sec.	cfs
FM	LS-1		LS-2		12320	4.04	0.01	= 0.0000=	2	0.02	0.41	0.41	0.01
FM	LS-2		LS-3		9190	9.24		-0.0000	2	0.02	0.94	0.94	-0.02
FM	LS-3		LS-4		6100	35.24	80.0	-0.0000	2	0.02	3.60	3.60	0.08
FM	LS-4		MH-1		9600	40.44		=0.00000	2	0.02	4.13	4.13	0.09
1	MH-1	265.0	WW-1	190.0	7960	40.44	0.09	0.0094	4	0.09	1.03	2.12	0.18
FM	LS-5		WW-1		7500	15.02		-0.0000	2	0.02	1.54	1.54	0.03
FM	LS-6		MH-2	,	2700	75.11		0:0000	3	0.05	3.41	3.41	0.17
2	MH-2	210.0	WW-1	190.0	2080	112.09	0.25	-0.0096	6	0.20	1.27	2.81	0.55

Proposed Sanitary Sewer System Modeling for 2050 Midlake

		Man	holes		Length	WW Flows in	Flow		Diameter	Pipe Area	Velocity	Max Full Pipe	Full
Reach	Upst	ream	Downs	stream		Pipe		Slope		, ipo / iiou	- V 0.00ky	Velocity	Capacity
	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		LS-2		12320	5	0.01	=0.0000	2	0.02	0.55	0.55	0.01
FM	LS-2		LS-3		9190	12.4		0.0000	2	0.02	1.26	1.26	0.03
FM	LS-3		LS-4		6100	47.2		0.0000	2	0.02	4.82	4.82	
FM	LS-4		MH-1		9600	54.1	0.12	=0.0000=	2	0.02	5.53	5.53	0.12
1	MH-1	265.0	WW-1	190.0	7960	54.1		-0.0094	4	0.09	1.38	2.12	0:18
FM	LS-5		WW-1		7500	20.1	0.04	0.0000	2	0.02	2.05	2.05	0.04
FM	LS-6		MH-2		2700	100.5	0.22	00000.0	3	0.05	4.56	4.56	0.22
2	MH-2	210.0	WW-1	190.0	2080	150.0	0.33	0.0096	6	0.20	1.70	2.81	0.55

Proposed Sanitary Sewer System Modeling for Existing North

Reach	Up	Man	holes	nstream	Length	WW Flows in Pipe	Flow	Slope	Diameter	Pipe Area	Velocity	Max Full Pipe Velocity	Full Capacity
	Name	Elevation	Name	Elevation	feet	gpm	cfs	-	inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		MH-1		2900	10.98	0.02	0.0000	2	0.02	1.12	1.12	0.02
1	MH-1	260.0	LS-2	220.0	2780	10.98	0.02	0.0144	2	0.02	1.12	1.65	0.02
FM	LS-2		LS-3		4680	12.13	0.03	0.0000	2	0.02	1.24	1.24	0.03
FM	LS-3		MH-2		5200	12.71	: 0.03	=0.0000	2	0.02	1.30	1.30	0:03
FM	LS-4		MH-2		3400	9.25	0.02	0.0000	2	0.02	0.95	0.95	0.02
2	MH-2	245.0	LS-5	240.0	1000	21.96	0.05	0.0050	3	0.05	1.00	1.28	0.05
FM	LS-5		MH-3		2700	23.12	0.05	(0.00000	2	0.02	2.36	2.36	0.05
FM	LS-6		MH-3		5600	13.87	0.03	0.0000	2	0.02	1.42	1.42	0.03
3	MH-3	240	LS-7	175	2100	36.99	0.08	0.0310=	3	0.05	1.68	3.17	0.16
FM	LS-7		LS-8		2100	42.77	0.10	0.0000	2	0.02	4.37	4.37	0.10
FM	LS-8		LS-13		3560	45.66	0.10	=0.0000	2	0.02	4.67	4.67	0.10
FM	LS-9		LS-10		2400	6.93	0.02	(FU)(G)	2	0.02	0.71	0.71	0.02
FM	LS-11		MH-4	-	2600	23.68	0.05	=0.0000	2	0.02	2.42	2.42	0.05
4	MH-4	245.0	LS-12	220.0	1070	23.68	0.05	ELEVERY	3	0.05	1.08	2.76	0.14
FM	LS-12		LS-10		2400	26.57	0.06	-0.00000=	2	0.02	2.72	2.72	0.06
FM	LS-10		LS-13		1700	33.50	0.07	=0.0000	2	0.02	3.42	3.42	0.07
FM	LS-13		MH-5		3200	90.14	0.20	0.0000	3	0.05	4.09	4.09	0.20
5	MH-5	230.0	WW-1	190.0	3380	90.14	0.20	8110.0	4	0.09	2.30	2.38	0.21
FM	LS-14		LS-15		2000	6.93	0.02	-0.0000	2	0.02	0.71	0.71	0.02
FM	LS-15		LS-16		5490	26.58	0.06	0.60000=	2	0.02	2.72	2.72	0.06
FM	LS-16		LS-17		2720	86.09	0.19	0.0000	3	0.05	3.91	3.91	0.19
FM	LS-17		LS-18		4660	98.22	0.22	*0.0000	3	0.05	4.46	4.46	0.22
FM	LS-18		WW-1		3810	119.02	0.27	0.0000	3	0.05	5.41	5.41	335 10.27 Here

Proposed Sanitary Sewer System Modeling for 2050 North

Reach	Manholes				Length	WW Flows in	Flow		Diameter	Pipe Area	Velocity	Max Full	Full
	Upstream		Downstream			Pipe		Slope		,		Pipe Velocity	Capacity
	Name	Elevation	Name	Elevation	feet	gpm	cfs		inch	ft ²	ft/sec.	ft/sec.	cfs
FM	LS-1		MH-1		2900	14.7	0.03	0.0000	2	0.02	1.50	1.50	0.03
1	MH-1	260.0	LS-2	220.0	2780	14.7	0.03	0.0144	2	0.02	1.50	1.65	0.03
FM	LS-2		LS-3		4680	16.2	0.04	-0.0000	2	0.02	1.66	1.66	0.04
FM	LS-3		MH-2		5200	17.0	0.04	0.0000	2	0.02	1.74	1.74	0.04
FM	LS-4		MH-2		3400	12.4	0.03	0.0000	2	0.02	1.26	1.26	0.03
2	MH-2	245.0	LS-5	240.0	1000	29.4	0.07	0.0050	3	0.05	1.33	1.28	0.07
FM	LS-5		MH-3		2700	30.9	0.07	0.0000	2	0.02	3.16	3.16	0.07
FM	LS-6		MH-3		5600	18.6	0.04	0.0000	2	0.02	1.90	1.90	0.04
3	MH-3	240	LS-7	175	2100	49.5	0.11	E0.1310=	3	0.05	2.25	3.17	0.16
FM	LS-7		LS-8		2100	57.2	0.13	0.0000	2	0.02	5.85	5.85	0.13
FM	LS-8		LS-13		3560	61.1	0.14	- 0.0000	2	0.02	6.24	6.24	0.14
FM	LS-9		LS-10		2400	9.3	0.02	TO COMP	2	0.02	0.95	0.95	0.02
FM	LS-11		MH-4		2600	31.7	0.07	=0:0000 =	2	0.02	3.24	3.24	0.07
4	MH-4	245.0	LS-12	220.0	1070	31.7	0.07	0.0234	3	0.05	1.44	2.76	0.14
FM	LS-12		LS-10		2400	35.6	0.08	TENNO -	2	0.02	3.63	3.63	0.08
FM	LS-10		LS-13		1700	44.8	0.10	0,0000	2	0.02	4.58	4.58	0.10
FM	LS-13		MH-5		3200	120.6	0.27	₹0,0000	3	0.05	5.48	5.48	0.27
5	MH-5	230.0	WW-1	190.0	3380	120.6	0.27	- 0.0118	6	0.20	1.37	3.11	0.61
FM	LS-14		LS-15		2000	9.3	0.02	= 0.0000	2	0.02	0.95	0.95	0.02
FM	LS-15		LS-16		5490	35.6	0.08	0.0000	2	0.02	3.63	3.63	0.08
FM	LS-16		LS-17		2720	115.2	0.26	=0.0000=	3	0.05	5.23	5.23	0.26
FM	LS-17		LS-18		4660	131.4	0.29	-0.0000-	3	0.05	5.97	5.97	0.29
FM	LS-18		WW-1		3810	159.3	0.35	- 0.0000 -	. 4	0.09	4.07	4.07	0.35

University of Kentucky Network Modeling Software

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INPUT DATA FILENAME ------ C:\JENNIF-1\JULYMO-1\HEMPWI~4.DT2
TABULATED OUTPUT FILENAME ------ C:\JENNIF-1\JULYMO-1\HEMPWI~4.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF-1\JULYMO-1\HEMPWI~4.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet
PRESSURE ... = psig

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

PIPE	P E NODE		LENGTH	DIAMETER	ROUGHNESS	MINOR	
N A M E	#1	#2	(ft)	(in)	COEFF.	LOSS COEFF.	
P-1	J-2	J-1	315.25	6.00	100.0000	0.00	
P-10	J-14	J-10	254.76	6.00	100.0000	0.00	
P-100	J-303	J-302	828,95	1.50	100.0000	0.00	
P-101	J-302	J-304	236.07	2.00	100.0000	0.00	
P-102	J-302	J-309	845.65	2.00	100.0000	0.00	
P-103	J-309	J-319	2081.37	6.00	100.0000	0.00	
P-104	J-320	J-319	558.79	2.00	100.0000	0.00	
P-105	J-325	J-236	1308.92	8.00	100.0000	0.00	
P-106	J-328	J-325	214.24	8.00	100.0000	0.00	
P-107	J-238	J-333	1677.55	8.00	100.0000	0.00	
P-108	J-334	J-169	833.01	8.00	100.0000	0.00	
P-109	J-234	J-338	325.13	10.00	100.0000	0.00	
P-11	J-17	J-18	355.13	2.00	100.0000	0.00	
P-110	J-338	J-328	909.10	10.00	100.0000	0.00	
P-111	J-338	J-340	357.42	6.00	100.0000	0.00	
P-112	J-333	J-341	460.78	8.00	100.0000	0.00	
P-113	J-341	J-334	94.85	12.00	100.0000	0.00	
P-114	J-341	J-346	433.84	6.00	100.0000	0.00	
P-115	J-347	J-319	504.71	6.00	100.0000	0.00	
P-116	J-347	J-346	150.42	6.00	100.0000	0.00	
P-117	J-346	J-348	452.76	6.00	100.0000	0.00	
P-118	J-348	J-349	290.67	6.00	100.0000	0.00	
P-119	J-349	J-350	205.72	2.00	100.0000	0.00	
P-12	J-19	J-17	183.94	6.00	100.0000	0.00	
P-120	J-325	J-351	328.06	6.00	100.0000	0.00	
P-121	J-351	J-347	559.11	6.00	100.0000	0.00	
P-122	J-234	J-353	254.83	8.00	100.0000	0.00	
P-123	J-334	J-354	247.87	6.00	100.0000	0.00	
P-124	J-3	T-2	11.47	18.00	100.0000	0.00	
P-125	J-3	Pump-1	5.94	12.00	100.0000	0.00	
P-126	J-353	J-358	350.38	8.00	100.0000	0.00	
P-127	J-358	J-38	269.88	6.00	100.0000	0.00	
P-128	J-354	J-360	243.22	6.00	100.0000	0.00	
P-129	J-360	J-353	338.83	6.00	100.0000	0.00	

P-13	J-19	J-21	657.71	6.00	100.0000	0.00
P-130	J-358	J-361	341.14	6.00	100.0000	0.00
P-131	J-361	J-362	251.02	6.00	100.0000	0.00
P-132	J-361	J-360	351.45	2.00	100.0000	0.00
P-133	J-354	J-362	352.30	2.00	100.0000	0.00
P-134			282.23			
	J-16	J-362		2.00	100.0000	0.00
P-135	J-21	J-11	576.50	6.00	100.0000	0.00
P-136	J-364	J-367	620.85	1.50	100.0000	0.00
P-137	J-364	J-368	103.65	6.00	100.0000	0.00
P-138	J-369	J-368	1216.25	2.00	100.0000	0.00
P-139	J-368	J-376	178.68	6.00	100.0000	0.00
P-14	J-48	J-16	444.47	6.00	100.0000	0.00
P-140	Ĵ-377	J-376	731.35	2.00	100.0000	0.00
P-141	J-381	J-376	642.56	2.00	100.0000	0.00
P-142	J-328	J-385	1387.92	2.00	100.0000	0.00
P-143	J-386	J-387	159.86	2.00	100.0000	0.00
P-144	J-388	J-389	73.73	2.00	100.0000	0.00
P-145	J-389	J-391	794.08	2.00	100.0000	0.00
P-146	J-389	J-392	153.38	2.00	100.0000	0.00
P-147	J-385	J-395	723.50	2.00	100.0000	0.00
P-148	J -395	J-386	1092.31	1.50	100.0000	0.00
P-149	J-405	J-410	780.07	1.50	100.0000	0.00
P-15	J-25	J-26	17.76	2.00	100.0000	0.00
P-150	J-410	J-411	352.80	1.50	100.0000	0.00
P-151	J-410	J-395	50.96	1.50	100.0000	0.00
P-152	J-333	J-413	1247.88	8.00	100.0000	0.00
P-153	J-413	J-422	1423.13	8.00	100.0000	0.00
P-154	J-422	J-391	803.67	6.00	100.0000	0.00
P-155	J-391	J-431	1663.98	6.00	100.0000	0.00
			955.76		100.0000	
P-156	J-431	J-434		3.00		0.00
P-157	J-434	J-435	498.96	2.00	100.0000	0.00
P-158	J-435	J-437	423.36	2.00	100.0000	0.00
P-159	J-434	J-438	304.30	2.00	100.0000	0.00
P-16	J-27	J-25	154.27	10.00	100.0000	0.00
P-160	J-435	J-439	222.51	4.00	100.0000	0.00
P-161	J-431	J-441	249.24	4.00	100.0000	0.00
P-162	J-441	J-442	559.25	2.00	100.0000	0.00
P-163	J-441	J-444	483.18	2.00	100.0000	0.00
P-164	J-445	J-238	868.59	8.00	100.0000	0.00
P-165	J-447	J-445	57.96	2.00	100.0000	0.00
P-166	J-445	J-448	228.21	3.00	100.0000	0.00
	J-277	J-455	925.21	8.00	100.0000	
P-167						0.00
P-168	J-455	J-445	121.78	8.00	100.0000	0.00
P-169	J-455	J-456	453.47	6.00	100.0000	0.00
P-17	J-25	J-29	88.77	6.00	100.0000	0.00
P-170	J-242	J-276	719.95	8.00	100.0000	0.00
P-171	J-276	J-458	327.44	8.00	100.0000	0.00
P-172	J-456	J-462	377.99	6.00	100.0000	0.00
P-173	J-456	J-413	1843.98	6.00	100.0000	0.00
P-174	J-456	J-465	202.93	6.00	100.0000	0.00
P-175	J-465	J-469	981.82	6.00	100.0000	0.00
P-176	J-465	J-470	469.69	6.00	100.0000	0.00
P-177	J-470	J-471	187.69	2.00	100.0000	0.00
	J-470	J-476	1163.45	2.00	100.0000	0.00
P-178						
P-179	J-469	J-479	531.82	6.00	100.0000	0.00
P-18	J-29	J-30	195.27	6.00	100.0000	0.00
P-180	J-479	J-480	355.28	2.00	100.0000	0.00
P-181	J-479	J-481	408.20	2.00	100.0000	0.00
P-182	J-469	J-484	473.01	6.00	100.0000	0.00
P-183	J-484	J-487	667.87	2.00	100.0000	0.00
P-184	J-484	J-491	2165.33	6.00	100.0000	0.00
P-185	J-491	J-502	2217.23	2.00	100.0000	0.00
P-186	J-458	J-504	147.27	2.00	100.0000	0.00
P-187	J-458	J-507	668.94	8.00	100.0000	0.00
	J-508	J-277	1691.16	8.00	100.0000	0.00
P-188		J-518	1217.87	6.00	100.0000	
P-189	J-508					0.00
P-19	J-31	J-29	122.08	2.00	100.0000	0.00
P-190	J-519	J-522	969.00	2.00	100.0000	0.00
P-191	J-522	J-508	921.86	8.00	100.0000	0.00
P-192	J -522	J-528	61.46	8.00	100.0000	0.00
P-193	J -528	J-529	144.86	6.00	100.0000	0.00

P-194	J-529	J-532	615.35	2.00	100.0000	0.00
P-195	J-529	J-533	252.59	6.00	100.0000	0.00
P-196	J-533	J-534	389.92	2.00	100.0000	0.00
P-197	J-533	J-535	307.77	6.00	100.0000	0.00
P-198	J-535	J-536	687.87	2.00	100.0000	0.00
P-199	J~535	J-538	473.11	2.00	100.0000	0.00
P-2	J-2	J-5	474.91	6.00	100.0000	0.00
P-20	J-29	J-34	511.89	4.00	100.0000	0.00
P-200	J-533	J-549	498.16	6.00	100.0000	0.00
P-201	J-528	J-541	462.15	6.00	100.0000	0.00
P-202	J-541	J-548	885.58	6.00	100.0000	0.00
P-203	J-541	J-549	328.31	6.00	100.0000	0.00
P-204	J-549	J-550	561.42	2.00	100.0000	0.00
P-205-XX	T-1	J-572	7860.71	10.00	100.0000	0.00
P-206	T-1	J-15	7.63	18.00	100.0000	0.00
P-207	J-1	J-4	462.87	6.00	100.0000	0.00
P-208	J-194	J-207	10.75	6.00	100.0000	0.00
P-209	J-3	Pump-3	5.14	12.00	100.0000	0.00
P-21	J-35	J-27	189.92	18.00	100.0000	0.00
P-210	J-15	Pump-2	10.09	12.00	100.0000	0.00
P-211	Pump-1	J-15	5.04	12.00	100.0000	0.00
P-212	Pump-2	J-3	10.81	12.00	100.0000	0.00
P-213	Pump-3	J-15	5.46	12.00	100.0000	0.00
P-214	J-189	J-187	900.00	6.00	100.0000	0.00
P-215	J-11	J-364	166.53	6.00	100.0000	0.00
P-216	J-11	J-12	704.96	2.00	100.0000	0.00
P-217	J-20	J-99	214.75	8.00	100.0000	0.00
P-218	J-20	J-24	533.16	6.00	100.0000	0.00
P-219	J-23	J-54	529.86	8.00	100.0000	0.00
P-22	J -27	T-2	70.66	18.00	100.0000	0.00
P-220	J-23	J-28	397.39	2.00	100.0000	0.00
P-221	J-32	J-62	613.78	8.00	100.0000	0.00
P-222	J-32	J-33	629.85	2.00	100.0000	0.00
P-223	J-36	J-40	171.17	2.50	100.0000	0.00
P-224	J-36	J-37	337.95	2.00	100.0000	0.00
P-225	J-287	J-41	2385.33	2.00	100.0000	0.00
P-226	J-40	J-153	371.12	2.50	100.0000	0.00
P-227	J-548	J-43	1900.00	2.00	100.0000	0.00
P-228	J-183	G-M1	1454.66	6.00	100.0000	0.00
P-229	J-143	G-M2	1164.54	6.00	100.0000	0.00
P-23	J-38	J-19	767.97	6.00	100.0000	0.00
P-232	J-47	J-42	620.65	6.00	100.0000	0.00
P-233	J-422	G-M3	447.31	8.00	100.0000	0.00
P-238	J-58	J-42	1326.60	6.00	100.0000	0.00
P-24	J-42	J-25	3142.84	10.00	100.0000	0.00
P-25	J-48	J-38	121.47	6.00	100.0000	0.00
P-26	J-49	J-51	256.02	2.00	100.0000	0.00
P-27	J-51	J-53	222.20	2.00	100.0000	0.00
P-28	J-54	J-61	2793.09	4.00	100.0000	0.00
P-29	J-51	J-62	159.60	3.00	100.0000	0.00
P-3	J-5	J-6	297.38	6.00	100.0000	0.00
P-30	J-63	J-32	322.24	8.00	100.0000	0.00
P-31	J-62	J-76	1716.40	8.00	100.0000	0.00
P-32	J-76	J-54	1704.98	8.00	100.0000	0.00
P-33	J-76	J-86	1607.52	4.00	100.0000	0.00
P-34	J-86	J-87	386.82	3.00	100.0000	0.00
P-35	J-88	J-23	219.26	8.00	100.0000	0.00
P-36	J-88	J-96	1136.02	2.00	100.0000	0.00
P-37	J-42	J-20	495.65	8.00	100.0000	0.00
P-38	J-99	J-88	406.40	8.00	100.0000	0.00
P-39	J-99	J-101	569.50	2.00	100.0000	0.00
P-4	J-4	J-7	152.48	2.00	100.0000	0.00
P-40	J-102	J-101	294.31	1.50	100.0000	0.00
P-41	J-22	J-104	227.16	6.00	100.0000	0.00
P-42	J-104	J-47	1022.52	6.00	100.0000	0.00
P-43	J-104	J-119	1945.50	4.00	100.0000	0.00
P-44	J-17	J-120	196.90	2.00	100.0000	0.00
P-45	J-120	J-22	22.72	8.00	100.0000	0.00
P-46	J-120	J-129	3672.76	4.00	100.0000	0.00
P-47	J-38	J-131	201.14	6.00	100.0000	0.00
P-48	J-131	J-58	597.75	6.00	100.0000	0.00

P-49	J-131	J-139	437.26	2.00	100.0000	0.00
P-5	J-5	J-8	178.38	2.00	100.0000	0.00
P-50	J-143	J-1	1063.75	6.00	100.0000	0.00
P-51	J-143	J-36	1184.00	2.50	100.0000	0.00
P-52	J-143	J-154	942.86	6.00	100.0000	0.00
P-53	J-155	J-154	284.72	2.00	100.0000	0.00
P-54	J-14	J-157	27.84	8.00	100.0000	0.00
P-55	J-157	J-158	62.13	6.00	100.0000	0.00
P-56	J-158	J-161	659.07	6.00	100.0000	0.00
P-57	J-161	J-168	1390.51	2.00	100.0000	0.00
P-58	J-169	J-14	602.60	8.00	100.0000	0.00
P-59	J-157	J-171	242.28	8.00	100.0000	0.00
P-6	J-8	J-4	127.99	2.00	100.0000	0.00
P-60	J-169	J-171	346.03	6.00	100.0000	0.00
P-61	J-171	J-172	571.40	2.00	100.0000	0.00
P-62	J-158	J-189	2854.86	6.00	100.0000	0.00
P-63	J-184	J-186	957.32	4.00	100.0000	0.00
P-64	J-44	J-226	2919.07	2.00	100.0000	0.00
P-65	J-189	J-183	182.01	6.00	100.0000	0.00
P-65-1	J-189	J-192	1191.00	6.00	100.0000	0.00
P-66	J-192	J-193	706.00	2.00	100.0000	0.00
P-67	J-194	J-14	1007.96	6.00	100.0000	0.00
P-68	J-184	J-199	1034.96	6.00	100.0000	0.00
P-69	J-199	J-194	626.76	6.00	100.0000	0.00
P-7	J-8	J-9	160.09	2.00	100.0000	0.00
P-70	J-199	J-206	804.73	2.00	100.0000	0.00
P-71	J-207	J-217	1179.47	3.00	100.0000	0.00
P-72	J-217	J-44	717.59	2.00	100.0000	0.00
P-73	J-227	J-217	199.86	2.00	100.0000	0.00
P-74	J-228	J-35	716.48	8.00	100.0000	0.00
P-75	J-171	J-234	592.28	8.00	100.0000	0.00
P-76	J-234	J-35	367.82	12.00	100.0000	0.00
P-77	J-236	J-237	75.84	6.00	100.0000	0.00
P-78	J-238	J-240	82.65	6.00	100.0000	0.00
P-79	J-240	J-237	30.69	6.00	100.0000	0.00
P-8	J-10	J-2	607.39	6.00	100.0000	0.00
P-80	J-240	J-241	622.03	6.00	100.0000	0.00
P-81	J-236	J-242	863.90	8.00	100.0000	0.00
P-82	J-242	J-246	847.96	6.00	100.0000	0.00
P-83	J-246	J-249	587.14	6.00	100.0000	0.00
P-84	J-237	J-249	1225.86	6.00	100.0000	0.00
P-85	J-249	J-253	103.85	6.00	100.0000	0.00
P-86	J-246	J-258	971.12	6.00	100.0000	0.00
P-87	J-258	J-259	87.18	6.00	100.0000	0.00
P-88	J-258	J-264	578.05	2.00	100.0000	0.00
P-89	J-265	J-266	770.41	4.00	100.0000	0.00
P-9	J-10	J-13	387.24	2.00	100.0000	0.00
P-90	J-259	J-265	752.50	6.00	100.0000	0.00
P-91	J-265	J-276	694.72	6.00	100.0000	0.00
P-91	J-277	J-278	584.71	4.00	100.0000	0.00
P-93	J-279	J-278	559.03	4.00	100.0000	0.00
P-93 P-94	J-278	J-281	340.76	4.00	100.0000	0.00
P-95	J-281	J-284	1493.84	3.00	100.0000	0.00
P-95 P-96	J-285	J-286	228.59	6.00	100.0000	0.00
	J-287	J-286	107.43	6.00	100.0000	
P-97	J-286					0.00
P-98	J-286 J-298	J-259	1987.34	6.00	100.0000	0.00
P-99	0-296	J-302	980.60	2.00	100.0000	0.00

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENC	Y.
150.00	0.00	75.00	(Default)
142.00	800.00	75.00	(Default)
106.00	1800.00	75.00	(Default)

THERE IS A DEVICE AT NODE Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

HEAD (£t)	FLOWRATE (gpm)	EFFICIENCY (%)
150.00	0.00	75.00 (Default)
142.00	800.00	75.00 (Default)
106.00	1800.00	75.00 (Default)

THERE IS A DEVICE AT NODE Pump-3 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)
150.00	0.00	75.00 (Default) 75.00 (Default)
106.00	1800.00	75.00 (Default)

END NODE DATA

G-M1	NODE NAME	NODE TITLE	EXTERNAL DEMAND	JUNCTION ELEVATION	EXTERNAL GRADE
G-M1			(gpm)		(ft)
G-M2 G-M3 O.00 G-M3 O.00 J-1 O.00 J-1 O.00 C-71.75 J-101 D.00 J-102 O.00 J-104 J-10 J-104 J-10 J-119 D.00 J-12 O.00 J-12 O.00 J-12 O.00 J-13 D-13 D-13 D-13 D-14 D-139 D-14 D-155 D-153 D-154 D-155 D-157 D-158 D-166 D-161 D-168 D-166 D-161 D-168 D-169 D-171 D-188 D-169 D-171 D-188 D-171 D-188 D-171 D-188 D-184 D-188 D-171 D-188 D-184 D-171 D-188 D-188 D-188 D-188 D-199 D-199 D-198 D-199 D-198 D-199 D-198 D-199 D-198 D-199 D-	C M1		0.00		
G-M3 J-1 0.00 300.00 J-1 0.00 267.48 J-10 J-101 1.06 309.41 J-102 0.00 J-104 4.66 304.60 J-11 0.00 J-11 0.00 J-11 0.00 J-12 0.00 J-12 0.00 J-12 0.00 J-120 0.00 J-120 0.00 J-120 0.00 J-131 0.00 J-141 0.00 J-155 0.00 J-155 0.00 J-155 0.00 J-155 0.00 J-155 0.00 J-156 J-166 0.00 J-161 0.00 J-168 0.00 J-169 J-168 0.00 J-17 0.00 J-168 0.00 J-17 0.00 J-189 J-184 0.00 J-189 J-186 2.38 Z40.00 J-19 J-187 2.38 Z40.00 J-19 J-189 0.00 J-199 J-199 J-2 2.38 270.00					
J-10 0.00 267.48 J-101 0.00 271.75 J-102 0.00 310.00 J-104 4.66 304.60 J-11 0.00 292.00 J-119 1.06 290.00 J-12 0.00 295.00 J-120 0.00 300.60 J-129 9.32 304.02 J-13 2.38 264.48 J-131 0.00 300.00 J-139 0.00 291.98 J-14 2.38 280.00 J-143 0.00 263.30 J-15 0.00 280.00 J-153 2.38 281.83 J-154 1.19 260.00 J-155 1.19 260.00 J-157 0.00 280.00 J-158 0.00 280.00 J-168 0.00 270.00 J-169 0.00 280.00 J-171 0.00 303.37 J-172 0.00 271.79 J-183 2.38 259.92					
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J-169 0.00 280.00 J-17 0.00 303.37 J-171 0.00 280.00 J-172 0.00 271.79 J-18 0.00 310.00 J-183 2.38 259.92 J-184 0.00 263.89 J-186 2.38 240.47 J-187 2.38 240.00 J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00				270.00	
J-17 0.00 303.37 J-171 0.00 280.00 J-172 0.00 271.79 J-18 0.00 310.00 J-183 2.38 259.92 J-184 0.00 263.89 J-186 2.38 240.47 J-187 2.38 240.00 J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-168		0.00	263.08	
J-17 0.00 303.37 J-171 0.00 280.00 J-172 0.00 271.79 J-18 0.00 310.00 J-183 2.38 259.92 J-184 0.00 263.89 J-186 2.38 240.47 J-187 2.38 240.00 J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00			0.00	280.00	
J-172 0.00 271.79 J-18 0.00 310.00 J-183 2.38 259.92 J-184 0.00 263.89 J-186 2.38 240.47 J-187 2.38 240.00 J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-17			303.37	
J-18 0.00 310.00 J-183 2.38 259.92 J-184 0.00 263.89 J-186 2.38 240.47 J-187 2.38 240.00 J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-171		0.00	280.00	
J-18 0.00 310.00 J-183 2.38 259.92 J-184 0.00 263.89 J-186 2.38 240.47 J-187 2.38 240.00 J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-172		0.00	271.79	
J-184 0.00 263.89 J-186 2.38 240.47 J-187 2.38 240.00 J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-18		0.00	310.00	
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J-189 0.00 260.00 J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-186		2.38	240.47	
J-19 9.32 304.63 J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-187		2.38	240.00	
J-192 4.76 250.00 J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-189		0.00	260.00	
J-193 0.00 237.00 J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-19		9.32	304.63	
J-194 0.00 280.00 J-199 4.76 276.97 J-2 2.38 270.00	J-192		4.76	250.00	
J-199 4.76 276.97 J-2 2.38 270.00	J-193		0.00	237.00	
J-2 2.38 270.00	J-194		0.00	280.00	
	J-199		4.76	276.97	
J-20 0.00 297.00	J-2		2.38	270.00	
	J-20		0.00	297.00	

T 200	2 20	270 00
J-206	2.38	270.00
J-207	0.00	280.00
J-21	4.66	297.50
J-217	0.00	267.84
J-22	4.66	299.91
J-226	2.38	258.96
J-227	2.38	270.00
J-228	0.00	287.77
J-23	0.00	305.00
J-234	4.66	284.93
J-236	4.66	254.79
J-237	0.00	257.27
J-238	0.00	257.84
J-24	0.00	290.00
J-240	0.00	258.38
J-241	4.66	256.48
J-242	0.00	285.73
J-246	0.00	264.14
J-249	0.00	260.99
J-25	0.00	280.00
J-253	0.00	263.44
J-258	0.00	274.64
J-259	0.00	273.33
J-26	0.00	280.00
J-264	0.00	280.00
J-265	9.32	280.00
J-266	4.66	262.95
J-27	0.00	280.00
J-276	0.00	275.96
J-277	0.00	274.93
J-278	0.00	280.00
J-279	4.66	280.00
J-28	0.00	300.00
J-281	0.00	274.53
J-284	4.66	294.97
J-285	0.00	310.00
J-286	9.32	292.33
J-287	0.00	292.76
J-29	0.00	280.00
J-298	2.38	240.00
J-3	0.00	280.00
J-30	0.00	272.79
J-302	0.00	233.85
	0.00	242.80
J-303		
J-304	0.00	230.00
J-309	0.00	244.20
J-31	0.00	278.41
J-319	4.66	271.11
J-32	0.00	273.00
J-320	2.38	270.00
J-325	0.00	280.00
J-328	0.00	280.00
J-33	0.00	270.00
J-333	0.00	280.00
	9.32	
J-334		285.09
J-338	4.66	288.64
J-34	4.66	280.00
J-340	0.00	281.35
J-341	0.00	283.16
	0.00	275.38
J-346		
J-347	4.66	274.79
J-348	0.00	281.34
J-349	0.00	280.00
J-35	4.66	280.00
J-350	0.00	280.00
J-351	4.66	280.00
J-353	9.32	287.75
J-354	4.66	288.61
J-358	9.32	295.52
J-36	0.00	277.00
J-360	4.66	290.00

7 261	0.33	200 00
J-361	9.32	290.00
J-362	4.66	290.00
	0.00	291.03
J-364		
J-367	1.06	291.54
J-368	0.00	294.06
J-369	1.06	280.00
J-37	0.00	275.00
J-376	0.00	300.79
J-377	1.06	308.07
J-38	4.66	296.07
J-381	1.06	295.71
J-385	0.00	289.30
J-386	0.00	300.97
J-387	0.00	305.78
J-388	0.00	270.00
J-389	1.06	270.00
J-391	0.00	290.61
J-392	0.00	275.02
J-395	1.06	300.00
J-4	2.38	257.30
J-40	0.00	279.00
J-405	1.06	305.01
J-41	0.00	250.00
J-410	0.00	300.00
J-411	0.00	300.00
J-413	0.00	274.34
J-42	9.32	298.30
	2.12	
J-422		300.00
J-43	0.00	230.00
J-431	0.00	304.83
J-434	1.06	305.07
J-435	0.00	300.59
J-437	1.06	310.00
J-438	0.00	310.00
J-439	0.00	291.34
J-44	0.00	259.82
J-441	0.00	304.63
J-442	0.00	
		310.00
J-444	1.06	320.00
J-445	0.00	285.39
J-447	0.00	284.02
J-448	4.66	285.15
J-455	4.66	281.89
J-456	0.00	282.32
J-458	0.00	275.18
J-462	1.06	288.46
J-465	0.00	287.11
J-469	1.06	310.00
J-47	0.00	300.00
J-470	1.06	293.43
J-471	0.00	290.00
J-476	0.00	310.00
J-479	1.06	310.00
	0.00	
J-48		293.36
J-480	0.00	306.99
J-481	0.00	320.00
J-484	0.00	308.25
J-487	1.06	291.23
	0.00	278.91
J-49		
J-491	1.06	254.57
J-5	0.00	260.00
J-502	1.06	250.00
J-504	0.00	273.97
	0.00	270.69
J-507		
J-508	0.00	255.88
J-51	4.66	289.90
J-518	1.06	270.92
J-519	0.00	230.00
	0.00	251.78
J-522		
J-528	0.00	250.37
J-529	0.00	250.00

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0.00
     J-53
                                    288.83
                                    250.00
     J-532
                           1.06
                                     240.00
240.00
     J-533
                            1.06
    J-534
                            0.00
    J-535
                           0.00
                                     240.00
                                     233.67
     J-536
                            1.06
     J-538
                            1.06
                                     263.02
                                     307.84
     J~54
                            9.32
     J-541
                            1.06
                                     239.97
                                     233.10
236.88
                            1.06
     J-548
    J-549
                            0.00
    J-550
                            1.06
                                     230.00
                                     300.00
     J-572
                            2.38
                            0.00
                                     299.00
     J-58
                                    252.85
      J-6
                            2.38
     J-61
                            9.32
                                     288.72
                                     290.00
262.49
                            4.66
     J-62
     J-63
                            4.66
      J-7
                            0.00
                                     254.10
     J-76
                            4.66
                                     320.00
                                    258.16
290.00
      J-8
                            0.00
     J-86
                           4.66
     J-87
                            4.66
                                    288.51
                                     303.82
                            0.00
     J-88
      J-9
                            0.00
     J-96
                           1.06
                                     301.83
                                    296.50
     J-99
                           9.32
    Pump-1
                           0.00
                                     280.00
                           280.00
0.00 280.00
--- 280.00
    Pump-2
    Pump-3
                                     280.00 304.00
280.00 423.00
      T-1
      T-2
OUTPUT OPTION DATA
OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
       MAXIMUM AND MINIMUM PRESSURES = 60
       MAXIMUM AND MINIMUM VELOCITIES = 20
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 60
SYSTEM CONFIGURATION
    NUMBER OF PIPES .....(p) = 233
    NUMBER OF END NODES .....(j) = 216
    NUMBER OF PRIMARY LOOPS .....(1) = 16
    NUMBER OF SUPPLY NODES .....(f) =
                                        2
    NUMBER OF SUPPLY ZONES .....(z) =
_______
CHANGES FOR NEXT SIMULATION (Change Number = 2)
JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE
RESULTS OBTAINED AFTER 3 TRIALS: ACCURACY = 0.00223
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PIPELINE RESULTS

DIAIGE CODE.	1111 020021		· • • • • • • • • • • • • • • • • • • •				
PIPE NAME	NODE #1	NUMBERS #2	FLOWRATE	HEAD LOSS	MINOR LOSS	LINE VELO.	HL/ 1000
NAHL	₩.±		(gpm)	(ft)	(ft)	(ft/s)	(ft/ft)
P-1	J-2	J-1	72.33	0.29	0.00	0.82	0.93
P-10	J-14	J-10	110.54	0.52	0.00	1.25	2.04
P-100	J-303	J-302	0.00	0.00	0.00	0.00	0.00
P-101	J-302	J-304	0.00	0.00	0.00	0.00	0.00
P-102	J-302	J-309	-11.42	5.43	0.00	1.17	6.42
P-103	J-309	J-319	-11.42	0.06	0.00	0.13	0.03
P-104	J-320	J-319	-11.42	3.59	0.00	1.17	6.42
P-105	J-325	J-236	324.01	4.82	0.00	2.07	3.68
P-106	J-328	J-325	476.26	1.61	0.00	3.04	7.52
P-107	J-238	J-333	-65.54	0.32	0.00	0.42	0.19
P-108	J-334	J-169	-163.67	0.87	0.00	1.04	1.04
P-109	J-234	J-338	508.80	0.93	0.00	2.08	2.87
P-11	J-17	J-18	0.00	0.00	0.00	0.00	0.00
P-110	J-338	J-328	486.43	2.40	0.00	1.99	2.64
P-111	J-338	J-340	0.00	0.00	0.00	0.00	0.00
P-112	J-333	J-341	-386.89	2.36	0.00	2.47	5.12
P-113	J-341	J-334	-324.59	0.05	0.00	0.92	0.51
P-114	J-341	J-346	-62.30	0.31	0.00	0.71	0.71
P-115	J-347	J-319	45.22	0.20	0.00	0.51	0.39
P-116	J-347	J-346	62.30	0.11	0.00	0.71	0.71
P-117	J-346	J-348	0.00	0.00	0.00	0.00	0.00
P-118	J-348	J-349	0.00	0.00	0.00	0.00	0.00
P-119	J-349 J-19	J-350 J-17	0.00 9.01	0.00	0.00 0.00	0.00 0.10	0.00 0.02
P-12 P-120	J-325	J-351	152.25	1.21	0.00	1.73	3.69
P-121	J-351	J-347	129.88	1.54	0.00	1.47	2.75
P-121 P-122	J-234	J-353	505.17	2.14	0.00	3.22	8.38
P-123	J-334	J-354	-205.66	1.60	0.00	2.33	6.44
P-124	J-3	T-2	4549.77	0.11	0.00	5.74	9.47
P-125	J-3	Pump-1	-1517.25	0.05	0.00	4.30	8.92
P-126	J-353	J-358	233.08	0.70	0.00	1.49	2.00
P-127	J-358	J-38	100.02	0.46	0.00	1.13	1.70
P-128	J-354	J-360	-214.25	1.69	0.00	2.43	6.95
P-129	J-360	J-353	-227.35	2.63	0.00	2.58	7.76
P-13	J-19	J-21	42.72	0.23	0.00	0.48	0.35
P-130	J-358	J-361	88.33	0.46	0.00	1.00	1.35
P-131	J-361	J-362	34.33	0.06	0.00	0.39	0.23
P-132	J-361	J-360	9.26	1.53	0.00	0.95	4.36
P-133	J-354	J-362	-13.78	3.20	0.00	1.41	9.09
P-134	J-16	J-362	1.82	0.06	0.00	0.19	0.21
P-135	J-21	J-11	20.35	0.05	0.00	0.23	0.09
P-136	J-364	J-367	5.09	3.62	0.00	0.92	5.83
P-137	J-364	J-368	15.26	0.01	0.00	0.17	0.05
P-138	J-369	J-368	-5.09	1.75	0.00	0.52	1.44
P-139	J-368	J-376	10.18	0.00	0.00	0.12	0.02
P-14	J-48	J-16 J-376	1.82 -5.09	0.00	0.00	0.02	0.00
P-140	J-377 J-381	J-376	-5.09 -5.09	1.05 0.92	0.00	0.52 0.52	1.44
P-141	J-328	J-385	10.18	7.20	0.00	1.04	1.44 5.19
P-142	J-386	J-387	0.00	0.00	0.00	0.00	0.00
P-143 P-144	J-388	J-389	0.00	0.00	0.00	0.00	0.00
P-145	J-389	J-391	-5.09	1.14	0.00	0.52	1.44
P-146	J-389	J-392	0.00	0.00	0.00	0.00	0.00
P-147	J-385	J-395	10.18	3.75	0.00	1.04	5.19
P-148	J-395	J-386	0.00	0.00	0.00	0.00	0.00
P-149	J-405	J-410	-5.09	4.55	0.00	0.92	5.83
P-15	J-25	J-26	0.00	0.00	0.00	0.00	0.00
P-150	J-410	J-411	0.00	0.00	0.00	0.00	0.00
P-151	J-410	J-395	-5.09	0.30	0.00	0.92	5.83
P-152	J-333	J-413	321.35	4.53	0.00	2.05	3.63
P-153	J-413	J-422	388.53	7.34	0.00	2.48	5.16
P-154	J-422	J-391	20.35	0.07	0.00	0.23	0.09
P-155	J-391	J-431	15.26	0.09	0.00	0.17	0.05

P-156	J-431	J-434	10.18	0.69	0.00	0.46	0.72
P-157	J-434	J-435	5.09	0.72	0.00	0.52	1.44
P-158	J-435	J-437	5.09	0.61	0.00	0.52	1.44
P-159	J-434	J-438	0.00	0.00	0.00	0.00	
							0.00
P-16	J-27	J-25	451.88	0.35	0.00	1.85	2.30
P-160	J-435	J-439	0.00	0.00	0.00	0.00	0.00
P-161	J-431	J-441	5.09	0.01	0.00	0.13	0.05
P-162	J-441	J-442	0.00	0.00	0.00	0.00	0.00
P-163	J-441	J-444	5.09	0.69	0.00	0.52	1.44
P-164	J-445	J-238	-232.97	1.74	0.00	1.49	2.00
P-165	J-447	J-445	0.00	0.00	0.00	0.00	0.00
			22.37				
P-166	J-445	J-448		0.71	0.00	1.02	3.10
P-167	J-277	J-455	-85.44	0.29	0.00	0.55	0.31
P-168	J-455	J-445	-210.60	0.20	0.00	1.34	1.66
P-169	J-455	J-456	102.80	0.81	0.00	1.17	1.78
P-17	J-25	J-29	22.37	0.01	0.00	0.25	0.11
P-170	J-242	J-276	64.30	0.13	0.00	0.41	0.18
P-171	J-276	J-458	0.00	0.00	0.00	0.00	0.00
P-172	J-456	J-462	5.09	0.00	0.00	0.06	0.01
		J-413	67.18	1.50			
P-173	J-456				0.00	0.76	0.81
P-174	J-456	J-465	30.53	0.04	0.00	0.35	0.19
P-175	J-465	J-469	25.44	0.13	0.00	0.29	0.13
P-176	J-465	J-470	5.09	0.00	0.00	0.06	0.01
P-177	J-470	J-471	0.00	0.00	0.00	0.00	0.00
P-178	J-470	J-476	0.00	0.00	0.00	0.00	0.00
P-179	J-469	J-479	5.09	0.00	0.00	0.06	0.01
P-18	J-29	J-30	0.00	0.00	0.00	0.00	0.00
		J-480					
P-180	J-479		0.00	0.00	0.00	0.00	0.00
P-181	J-479	J-481	0.00	0.00	0.00	0.00	0.00
P-182	J-469	J-484	15.26	0.02	0.00	0.17	0.05
P-183	J-484	J-487	5.09	0.96	0.00	0.52	1.44
P-184	J-484	J-491	10.18	0.05	0.00	0.12	0.02
P-185	J-491	J-502	5.09	3.18	0.00	0.52	1.44
P-186	J-458	J-504	0.00	0.00	0.00	0.00	0.00
P-187	J-458	J-507	0.00	0.00	0.00	0.00	0.00
P-188	J-508	J-277	-40.70	0.13	0.00	0.26	0.08
P-189	J-508	J-518	5.09	0.01	0.00	0.06	0.01
P-19	J-31	J-29	0.00	0.00	0.00	0.00	0.00
P-190	J-519	J-522	0.00	0.00	0.00	0.00	0.00
P-191	J-522	J-508	-35.62	0.06	0.00	0.23	0.06
P-192	J-522	J-528	35.62	0.00	0.00	0.23	0.06
		J-529	20.40	0.01	0.00	0.23	0.09
P-193	J-528						
P-194	J-529	J-532	5.09	0.88	0.00	0.52	1.44
P-195	J-529	J-533	15.31	0.01	0.00	0.17	0.05
P-196	J-533	J-534	0.00	0.00	0.00	0.00	0.00
P-197	J-533	J-535	10.18	0.01	0.00	0.12	0.02
P-198	J-535	J-536	5.09	0.99	0.00	0.52	1.44
P-199	J-535	J-538	5.09	0.68	0.00	0.52	1.44
P-2	J-2	J- 5	15.37	0.03	0.00	0.17	0.05
P-20	J-29	J-34	22.37	0.39	0.00	0.57	0.76
P-200	J-533	J-549	0.05	0.00	0.00	0.00	0.00
P-201	J-528	J-541	15.22	0.02	0.00	0.17	0.05
P-202	J-541	J-548	5.09	0.01	0.00	0.06	0.01
P-203	J-541	J-549	5.04	0.00	0.00	0.06	0.01
P-204	J-549	J-550	5.09	0.81	0.00	0.52	1.44
P-205	T-1	J-572	11.42	0.02	0.00	0.05	0.00
P-206	T-1	J-1 5	4549.77	0.07	0.00	5.74	9.47
P-207	J-1	J-4	7.48	0.01	0.00	0.08	0.01
							0.11
P-208	J-194	J-207	22.85	0.00	0.00	0.26	
P-209	J-3	Pump-3	-1517.33	0.05	0.00	4.30	8.92
P-21	J-35	J-27	-1610.59	0.26	0.00	2.03	1.38
P-210	J-15	Pump-2	1515.18	0.09	0.00	4.30	8.90
P-211	Pump-1	J-15	-1517.25	0.04	0.00	4.30	8.92
P-212	Pump-2	J-3	1515.18	0.10	0.00	4.30	8.90
	•						
P-213	Pump-3	J-15	-1517.33	0.05	0.00	4.30	8.92
P-214	J-189	J-187	11.42	0.03	0.00	0.13	0.03
P-215	J-11	J-364	20.35	0.01	0.00	0.23	0.09
P-216	J-11	J-12	0.00	0.00	0.00	0.00	0.00
P-217	J-20	J-99	278.59	0.60	0.00	1.78	2.78
P-218	J-20	J-24	0.00	0.00	0.00	0.00	0.00
P-219	J-23	J-54	223.68	0.98	0.00	1.43	1.85

P-22	J-27	T-2	-2062.46	0.15	0.00	2.60	2.19
P-220	J-23	J-28	0.00	0.00	0.00	0.00	0.00
P-221	J-32	J-62	-22.37	0.02	0.00		
						0.14	0.03
P-222	J-32	J-33	0.00	0.00	0.00	0.00	0.00
P-223	J-36	J-40	11.42	0.37	0.00	0.75	2.17
P-224	J-36	J-37	0.00	0.00	0.00	0.00	0.00
P-225	J-287	J-41	0.00	0.00	0.00	0.00	0.00
P-226	J-40	J-153	11.42	0.80	0.00	0.75	2.17
	J-548	J-43					
P-227			0.00	0.00	0.00	0.00	0.00
P-228	J-183	G-M1	152.00	5.35	0.00	1.72	3.68
P-229	J-143	G-M2	42.00	0.40	0.00	0.48	0.34
P-23	J-38	J-19	96.46	1.22	0.00	1.09	1.59
P-232	J-47	J-42	-85.55	0.79	0.00	0.97	1.27
P-233	J-422	G-M3	358.00	1.98	0.00		
						2.28	4.43
P-238	J-58	J-42	-20.63	0.12	0.00	0.23	0.09
P-24	J-42	J-25	-429.51	6.58	0.00	1.75	2.09
P-25	J-48	J-38	-1.82	0.00	0.00	0.02	0.00
P-26	J-49	J-51	0.00	0.00	0.00	0.00	0.00
P-27	J-51	J-53	0.00	0.00	0.00	0.00	0.00
P-28	J-54	J-61	44.74	7.69	0.00		
						1.14	2.75
P-29	J-51	J-62	-22.37	0.49	0.00	1.02	3.10
P-3	J-5	J-6	11.42	0.01	0.00	0.13	0.03
P-30	J-63	J-32	-22.37	0.01	0.00	0.14	0.03
P-31	J-62	J-76	-67.10	0.34	0.00	0.43	0.20
P-32	J-76	J-54	-134.21	1.23	0.00	0.86	0.72
P-33	J-76	J-86	44.74	4.42	0.00	1.14	2.75
P-34	J-86	J-87	22.37	1.20	0.00	1.02	3.10
P-35	J-88	J-23	223.68	0.41	0.00	1.43	1.85
P-36	J-88	J-96	5.09	1.63	0.00	0.52	1.44
P-37	J-42	J-20	278.59	1.38	0.00	1.78	2.78
P-38	J-99	J-88	228.77	0.79			
					0.00	1.46	1.93
P-39	J-99	J-101	5.09	0.82	0.00	0.52	1.44
P-4	J-4	J-7	0.00	0.00	0.00	0.00	0.00
P-40	J-102	J-101	0.00	0.00	0.00	0.00	0.00
P-41	J-22	J-104	-58.10	0.14	0.00	0.66	0.62
P-42	J-104	J-47	-85.55	1.30	0.00	0.97	1.27
P-43	J-104	J-119	5.09	0.10		0.13	
					0.00		0.05
P-44	J-17	J-120	9.01	0.81	0.00	0.92	4.14
P-45	J-120	J-22	-35.73	0.00	0.00	0.23	0.06
P-46	J-120	J-129	44.74	10.11	0.00	1.14	2.75
P-47	J-38	J-131	-20.63	0.02	0.00	0.23	0.09
P-48	J-131	J-58	-20.63	0.05	0.00	0.23	0.09
P-49	J-131	J-139	0.00	0.00	0.00	0.00	0.00
P-5	J-5	J-8	3.94	0.16	0.00	0.40	0.90
P-50	J-143	J-1	-64.85	0.81	0.00	0.74	0.76
P-51	J-143	J-36	11.42	2.57	0.00	0.75	2.17
P-52	J-143	J-154	11.42	0.03	0.00	0.13	0.03
P-53	J-155	J-154	-5.71	0.51	0.00	0.58	1.78
			-				
P-54	J-14	J-157	-198.17	0.04	0.00	1.26	1.48
P-55	J-157	J-158	197.70	0.37	0.00	2.24	5.99
P-56	J-158	J-161	0.00	0.00	0.00	0.00	0.00
P-57	J-161	J-168	0.00	0.00	0.00	0.00	0.00
P-58	J-169	J-14	-7.66	0.00	0.00	0.05	0.00
P-59	J-157	J-171	-395.86	1.29	0.00	2.53	5.34
P-6	J-8	J-4	3.94	0.11	0.00	0.40	0.90
P-60	J-169	J- 1 71	-156.01	1.34	0.00	1.77	3.86
P-61	J-171	J-172	0.00	0.00	0.00	0.00	0.00
P-62	J-158	J-189	197.70	17.10	0.00	2.24	5.99
P-63	J-184	J-186	11.42	0.21	0.00	0.29	0.22
		J-226	11.42	18.75	0.00		
P-64	J-44					1.17	6.42
P-65	J-189	J-183	163.42	0.77	0.00	1.85	4.21
P-65-1	J-189	J-192	22.85	0.13	0.00	0.26	0.11
P-66	J-192	J-193	0.00	0.00	0.00	0.00	0.00
P-67	J-194	J-14	-68.54	0.85	0.00	0.78	0.84
P-68	J-184	J-199	-11.42	0.03	0.00	0.13	0.03
P-69	J-199	J-194	-45.70	0.25	0.00	0.52	0.40
P-7	J-8	J-9	0.00	0.00	0.00	0.00	0.00
P-70	J-199	J-206	11.42	5.17	0.00	1.17	6.42
P-71	J-207	J-217	22.85	3.80	0.00	1.04	3.22
P-72	J-217	J-44	11.42	4.61	0.00	1.17	6.42
P-73	J-227	J-217	-11.42	1.28	0.00	1.17	6.42

P-74	J-228	J-35	0.00	0.00	0.00	0.00	0.00
P-75	J-171	J-234	-551.88	5.85	0.00	3.52	9.88
P-76	J-234	J-35	-1588.22	3.57	0.00	4.51	9.71
P-77	J-236	J-237	203.03	0.48	0.00	2.30	6.29
P-78	J-238	J-240	-167.43	0.36	0.00	1.90	4.40
P-79	J-240	J-237	-189.80	0.17	0.00	2.15	5.55
P-8	J-10	J-2	99.12	1.01	0.00	1.12	1.67
P-80	J-240	J-241	22.37	0.07	0.00	0.25	0.11
P-81	J-236	J-242	98.61	0.35	0.00	0.63	0.41
P-82	J-242	J-246	34.31	0.20	0.00	0.39	0.23
P-83	J-246	J-249	-13.23	0.02	0.00	0.15	0.04
P-84	J-237	J-249	13.23	0.05	0.00	0.15	0.04
P-85	J-249	J-253	0.00	0.00	0.00	0.00	0.00
P-86	J-246	J-258	47.54	0.42	0.00	0.54	0.43
P-87	J-258	J-259	47.54	0.04	0.00	0.54	0.43
P-88	J-258	J-264	0.00	0.00	0.00	0.00	0.00
P-89	J-265	J-266	22.37	0.59	0.00	0.57	0.76
P-9	J-10	J-13	11.42	2.49	0.00	1.17	6.42
P-90	J-259	J-265	2.80	0.00	0.00	0.03	0.00
P-91	J-265	J-276	-64.30	0.52	0.00	0.73	0.75
P-92	J-277	J-278	44.74	1.61	0.00	1.14	2.75
P-93	J-279	J-278	-22.37	0.43	0.00	0.57	0.76
P-94	J-278	J-281	22.37	0.26	0.00	0.57	0.76
P-95	J-281	J-284	22.37	4.62	0.00	1.02	3.10
P-96	J-285	J-286	0.00	0.00	0.00	0.00	0.00
P-97	J-287	J-286	0.00	0.00	0.00	0.00	0.00
P-98	J-286	J-259	-44.74	0.76	0.00	0.51	0.38
P-99	J-298	J-302	-11.42	6.30	0.00	1.17	6.42

PUMP/LOSS ELEMENT RESULTS

NAME	FLOWRATE (gpm)	INLET HEAD (ft)	OUTLET HEAD (ft)	HEAD CHANGE (ft)	EFFIC- ENCY (%)	USEFUL POWER (Hp)	INCREMTL COST (\$)	TOTAL COST (\$)
Pump-1	1517.25	23.88	143.16	119.3				
Pump-2	1515.18	23.84	143.20	119.4			~ - ~	
Pump-3	1517.33	23.88	143.15	119.3				

END NODE RESULTS

NODE NAME	NODE TITLE	EXTERNAL I DEMAND (gpm)	HYDRAULIC GRADE (ft)	ELEVATION	PRESSURE HEAD (ft)	NODE PRESSURE (psi)
G-M1		152.00	388.28	260.00	128.28	55.59
G-M2		42.00	408.80	263.00	145.80	63.18
G-M3		358.00	394.71	300.00	94.71	41.04
J-1		0.00	410.00	267.48	142.52	61.76
J-10		0.00	411.31	271.75	139.56	60.47
J-101		5.09(4.80		309.41	103.70	44.94
J-102		0.00	413.11	310.00	103.11	44.68
J-104		22.37(4.80	0) 413.82	304.60	109.22	47.33
J-11		0.00	414.22	292.00	122.22	52.96
J-119		5.09(4.80	0) 413.73	290.00	123.73	53.61
J-12		0.00	414.22	295.00	119.22	51.66
J-120		0.00	413.68	300.60	113.08	49.00
J-129		44.74(4.80	0) 403.57	304.02	99.55	43.14
J-13		11.42(4.80	0) 408.82	264.48	144.34	62.55
J-131		0.00	415.73	300.00	115.73	50.15
J-139		0.00	415.73	291.98	123.75	53.63
J-14		11.42(4.80	0) 411.83	280.00	131.83	57.12
J-143		0.00	409.19	263.30	145.89	63.22
J-15		0.00	303.93	280.00	23.93	10.37
J-153		11.42(4.80	0) 405.45	281.83	123.62	53.57

J-154	5.71(4.80)	409.16	260.00	149.16	64.64
J-155	5.71(4.80)	408.66	260.00	148.66	64.42
J-157	0.00	411.87	280.00	131.87	57.14
J-158	0.00	411.50	280.00	131.50	56.98
J-16	0.00	415.71	291.00	124.71	54.04
J-161	0.00	411.50	270.00	141.50	61.31
J-168	0.00	411.50	263.08	148.42	64.31
J-169	0.00	411.82	280.00	131.82	57.12
J-17	0.00	414.49	303.37	111.12	48.15
J-171	0.00	413.16	280.00	133.16	57.70
J-172	0.00	413.16	271.79	141.37	61.26
		414.49			
J-18	0.00		310.00	104.49	45.28
J-183	11.42(4.80)		259.92	133.71	57.94
J-184	0.00	410.70	263.89	146.81	63.62
J-186	11.42(4.80)	410.49	240.47	170.02	73.67
J-187	11.42(4.80)	394.37	240.00	154.37	66.89
J-189	0.00	394.40	260.00	134.40	58.24
J-19	44.74 (4.80)		304.63	109.87	47.61
J-192	22.85(4.80)		250.00	144.27	62.52
J-193	0.00	394.27	237.00	157.27	68.15
J-194	0.00	410.98	280.00	130.98	56.76
J-199	22.85(4.80)	410.73	276.97	133.76	57.96
J-2	11.42(4.80)	410.29	270.00	140.29	60.79
J-20	0.00	414.53	297.00	117.53	50.93
J-206	11.42(4.80)		270.00		
				135.56	58.74
J-207	0.00	410.98	280.00	130.98	56.76
J-21	22.37(4.80)		297.50	116.77	50.60
J-217	0.00	407.18	267.84	139.34	60.38
J-22	22.37(4.80)	413.68	299.91	113.77	49.30
J-226	11.42(4.80)	383.82	258.96	124.86	54.10
J-227	11.42(4.80)		270.00	135.90	58.89
J-228	0.00	422.58			
			287.77	134.81	58.42
J-23	0.00	412.74	305.00	107.74	46.69
J-234	22.37(4.80)		284.93	134.08	58.10
J-236	22.37(4.80)	409.25	254.79	154.46	66.93
J-237	0.00	408.77	257.27	151.50	65.65
J-238	0.00	408.23	257.84	150.39	65.17
J-24	0.00	414.53	290.00	124.53	53.96
J-240	0.00	408.60			
			258.38	150.22	65.10
J-241	22.37(4.80)		256.48	152.06	65.89
J-242	0.00	408.90	285.73	123.17	53.37
J-246	0.00	408.70	264.14	144.56	62.64
J-249	0.00	408.72	260.99	147.73	64.02
J-25	0.00	422.49	280.00	142.49	61.75
J-253	0.00	408.72	263.44	145.28	62.96
	0.00	408.28	274.64	133.64	
J-258					57.91
J-259	0.00	408.25	273.33	134.92	58.46
J-26	0.00	422.49	280.00	142.49	61.75
J-264	0.00	408.28	280.00	128.28	55.59
J-265	44.74(4.80)	408.25	280.00	128.25	55.57
J-266	22.37(4.80)	407.66	262.95	144.71	62.71
J-27	0.00	422.85	280.00	142.85	61.90
J-276	0.00	408.77	275.96	132.81	57.55
J-277	0.00	406.00	274.93	131.07	56.80
J-278	0.00	404.40	280.00	124.40	53.90
J-279	22.37(4.80)	403.97	280.00	123.97	53.72
J-28	0.00	412.74	300.00	112.74	48.85
J-281	0.00	404.14	274.53	129.61	56.16
J-284	22.37(4.80)	399.51	294.97	104.54	45.30
	0.00	407.49			
J-285			310.00	97.49	42.24
J-286	44.74(4.80)	407.49	292.33	115.16	49.90
J-287	0.00	407.49	292.76	114.73	49.72
J-29	0.00	422.48	280.00	142.48	61.74
J-298	11.42(4.80)	399.33	240.00	159.33	69.04
J-3	0.00	423.11	280.00	143.11	62.01
J-30	0.00	422.48	272.79	149.69	64.87
J-302	0.00	405.63	233.85	171.78	74.44
J-303	0.00	405.63	242.80	162.83	70.56
J-304	0.00	405.63	230.00	175.63	76.11
J-309	0.00	411.06	244.20	166.86	72.31
J-31	0.00	422.48	278.41	144.07	62.43

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J-319	22.37(4.80)		271.11	140.02	60.67
J-32	0.00	410.17	273.00	137.17	59.44
J-320	11.42(4.80)	407.54	270.00	137.54	59.60
J-325	0.00	414.07	280.00	134.07	58.10
J-328	0.00	415.68	280.00	135.68	58.80
J-33	0.00	410.17	270.00	140.17	60.74
J-333	0.00	408.55	280.00	128.55	55.71
J-334	44.74(4.80)	410.96	285.09	125.87	54.54
J-338	22.37(4.80)	418.08	288.64	129.44	56.09
J-34	22.37(4.80)	422.09	280.00	142.09	61.57
J-340	0.00	418.08	281.35	136.73	59.25
	0.00	410.91			
J-341			283.16	127.75	55.36
J-346	0.00	411.22	275.38	135.84	58.86
J-347	22.37(4.80)	411.32	274.79	136.53	59.16
J-348	0.00	411.22	281.34	129.88	56.28
J-349	0.00	411.22	280.00	131.22	56.86
J-35	22.37(4.80)		280.00	142.58	61.79
J-350	0.00	411.22	280.00	131.22	56.86
J-351	22.37(4.80)		280.00	132.86	57.57
J-353	44.74(4.80)	416.87	287.75	129.12	55.95
J-354	22.37(4.80)	412.56	288.61	123.95	53.71
J-358	44.74(4.80)		295.52	120.65	52.28
J-36	0.00	406.63			56.17
			277.00	129.63	
J-360	22.37(4.80)		290.00	124.25	53.84
J-361	44.74(4.80)	415.71	290.00	125.71	54.48
J-362	22.37(4.80)	415.65	290.00	125.65	54.45
J-364	0.00	414.20	291.03	123.17	53.37
J-367	5.09(4.80)		291.54	119.04	51.58
	0.00				
J-368		414.20	294.06	120.14	52.06
J-369	5.09(4.80)	412.45	280.00	132.45	57.39
J-37	0.00	406.63	275.00	131.63	57.04
J-376	0.00	414.19	300.79	113.40	49.14
J-377	5.09(4.80)		308.07	105.07	45.53
J-38	22.37(4.80)		296.07	119.64	51.85
J-381	5.09(4.80)		295.71	117.56	50.94
J-385	0.00	408.48	289.30	119.18	51.65
J-386	0.00	404.73	300.97	103.76	44.96
J-387	0.00	404.73	305.78	98.95	42.88
J-388	0.00	395.48	270.00	125.48	54.37
J-389	5.09(4.80)		270.00	125.48	54.37
J-391	0.00	396.62	290.61	106.01	45.94
J-392	0.00	395.48	275.02	120.46	52.20
J-395	5.09(4.80)	404.73	300.00	104.73	45.38
J-4	11.42(4.80)	409.99	257.30	152.69	66.17
J-40	0.00	406.26	279.00	127.26	55.14
	5.09(4.80)				
J-405				94.88	41.11
J-41	0.00	407.49	250.00	157.49	68.24
J-410	0.00	404.44	300.00	104.44	45.26
J-411	0.00	404.44	300.00	104.44	45.26
J-413	0.00	404.03	274.34	129.69	56.20
J-42	44.74(4.80)		298.30	117.61	50.96
J-422	10.18(4.80)	396.69	300.00	96.69	41.90
J-43	0.00	405.78	230.00	175.78	76.17
J-431	0.00	396.53	304.83	91.70	39.74
J-434	5.09(4.80)	395.84	305.07	90.77	39.33
J-435	0.00	395.12	300.59	94.53	40.97
J-437	5.09(4.80)	394.52	310.00	84.52	36.62
J-438	0.00	395.84	310.00	85.84	37.20
J-439	0.00	395.12	291.34	103.78	44.97
J-44	0.00	402.57	259.82	142.75	61.86
J-441	0.00	396.52	304.63	91.89	39.82
J-442	0.00	396.52	310.00	86.52	37.49
J-444	5.09(4.80)	395.82	320.00	75.82	32.86
J-445	0.00	406.50	285.39	121.11	52.48
J-447	0.00	406.50	284.02	122.48	53.07
J-448	22.37(4.80)	405.79	285.15	120.64	52.28
J-455	22.37(4.80)	406.29	281.89	124.40	53.91
J-456	0.00	405.52	282.32	123.20	53.39
J-458	0.00	408.77	275.18	133.59	57.89
J-462	5.09(4.80)	405.52	288.46	117.06	50.73
J-465	0.00	405.48	287.11	118.37	51.30

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J-469	5.09(4.80)		310.00	95.35	41.32
J-47	0.00	415.12	300.00	115.12	49.89
J-470	5.09(4.80)		293.43	112.05	48.56
J-471	0.00	405.48	290.00	115.48	50.04
J-476	0.00	405.48	310.00	95.48	41.37
J-479	5.09(4.80)	405.35	310.00	95.35	41.32
J-48	0.00	415.71	293.36	122.35	53.02
J-480	0.00	405.35	306.99	98.36	42.62
J-481	0.00	405.35	320.00	85.35	36.98
J-484	0.00	405.33	308.25	97.08	42.07
J-487	5.09(4.80)		291.23	113.14	49.03
J-49	0.00	409.69	278.91		
				130.78	56.67
J-491	5.09(4.80)		254.57	150.70	65.30
J-5	0.00	410.27	260.00	150.27	65,12
J-502	5.09(4.80)		250.00	152.09	65.91
J-504	0.00	408.77	273.97	134.80	58.41
J-507	0.00	408.77	270.69	138.08	59.83
J-508	0.00	405.87	255.88	149.99	65.00
J-51	22.37(4.80)	409.69	289.90	119.79	51.91
J-518	5.09(4.80)	405.86	270.92	134.94	58.48
J-519	0.00	405.81	230.00	175.81	76.19
J-522	0.00	405.81	251.78	154.03	66.75
J-528	0.00	405.81	250.37	155.44	67.36
J-529	0.00	405.80	250.00	155.80	67.51
J-53	0.00	409.69	288.83	120.86	52.37
J-532	5.09(4.80)		250.00	154.91	67.13
J-533	5.09(4.80)		240.00	165.78	71.84
J-534	0.00	405.78	240.00	165.78	71.84
J-535	0.00	405.78	240.00	165.78	71.84
J-536	5.09(4.80)		233.67	171.12	74.15
J-538	5.09(4.80)	405.10	263.02	142.08	61.57
J-54	44.74(4.80)	411.76	307.84	103.92	45.03
J-541	5.09(4.80)	405.79	239.97	165.82	71.85
J-548	5.09(4.80)	405.78	233.10	172.68	74.83
J-549	0.00	405.78	236.88	168.90	73.19
J~550	5.09(4.80)	404.98	230.00	174.98	75.82
J-572	11.42(4.80)		300.00	3.98	1.72
J-58	0.00	415.79	299.00	116.79	50.61
J-6	11.42(4.80)		252.85	157.41	68.21
J-61	44.74(4.80)		288.72	115.35	49.98
J-62	22.37(4.80)		290.00	120.19	52.08
J-63	22.37(4.80)		262.49		
				147.67	63.99
J-7	0.00	409.99	254.10	155.89	67.55
J-76	22.37(4.80)		320.00	90.53	39.23
J-8	0.00	410.11	258.16	151.95	65.84
J-86	22.37(4.80)		290.00	116.10	50.31
J-87	22.37(4.80)	404.91	288.51	116.40	50.44
J-88	0.00	413.14	303.82	109.32	47.37
J-9	0.00	410.11	252.47	157.64	68.31
J-96	5.09(4.80)	411.51	301.83	109.68	47.53
J-99	44.74(4.80)	413.93	296.50	117.43	50.89
Pump-1	0.00	303.88	280.00	23.88	10.35
Pump-2	0.00	303.84	280.00	23.84	10.33
Pump-3	0.00	303.88	280.00	23.88	10.35
T-1		304.00	280.00	24.00	10.40
T-2		423.00	280.00	143.00	61.97
Pump-1	0.00	423.16	280.00	143.16	62.04
Pump-2	0.00	423.20	280.00	143.20	62.06
Pump-3	0.00	423.15	280.00	143.15	62.03

MAXIMUM AND MINIMUM VALUES

PRESSURES

JUNCTION NUMBER	MAXIMUM PRESSURES (psi)	JUNCTION NUMBER	MINIMUM PRESSURES (psi)
J-519	76.19	J-572	1.72
J-43	76.17	Pump-2	10.33
J-304	76.11	Pump-3	10.35
J-550	75.82	Pump-1	10.35
J-548	74.83	J-15	10.37
J-302	74.44	T-1	10.40
J-536	74.15	J-444	32.86
J-186	73.67	J-437	36.62
J-549	73.19	J-481	36.98
J-309	72.31	J-438	37.20
J-541	71.85	J-442	37.49
J-533	71.84	J-76	39.23
J-534	71.84	J-434	39.33
J-535	71.84	J-431	39.74
J-303	70.56	J-441	39.82
J-298	69.04	J-435	40.97
J-9	68.31	G-M3	41.04
J-41	68.24	J-405	41.11
J-6	68.21	J-479	41.32
J-193	68.15	J-469	41.32

VELOCITIES

I	PIPE NUMBER	MAXIMUM VELOCITY (ft/s)	PIPE NUMBER	MINIMUM VELOCITY (ft/s)
P.	-124	5.74	P-200	0.00
P	-206	5.74	P-14	0.02
]	P-76	4.51	P-25	0.02
P	-209	4.30	P-90	0.03
P.	-213	4.30	P-205	0.05
P.	-125	4.30	P-58	0.05
P	-211	4.30	P-203	0.06
P.	-210	4.30	P-172	0.06
P.	-212	4.30	P-176	0.06
1	P-75	3.52	P-179	0.06
P	-122	3.22	P-189	0.06
P.	-106	3.04	P-202	0.06
1	P-22	2.60	P-207	0.08
P	-129	2.58	P-12	0.10
1	P-59	2.53	P-139	0.12
P	-153	2.48	P-184	0.12
P	-112	2.47	P-197	0.12
P	-128	2.43	P-103	0.13
P	-123	2.33	P-214	0.13
1	P-77	2.30	P-3	0.13

HL / 1000

PIPE NUMBER	MAXIMUM HL/1000 (ft/ft)	PIPE NUMBER	MINIMUM HL/1000 (ft/ft)
P-75	9.88	P-200	0.00
P-76	9.71	P-14	0.00
P-206	9.47	P-25	0.00
P-124	9.47	P-90	0.00
P-133	9.09	P-205	0.00
P-209	8.92	P-58	0.00
P-213	8.92	P-203	0.01
P-125	8.92	P-189	0.01
P-211	8.92	P-202	0.01

P-210	8.90	P-172	0.01
P-212	8.90	P-176	0.01
P-122	8.38	P-179	0.01
P-129	7.76	P-207	0.01
P-106	7.52	P-12	0.02
P-128	6.95	P-139	0.02
P-123	6.44	P- 197	0.02
P-70	6.42	P-184	0.02
P-102	6.42	P-221	0.03
P-104	6.42	P-30	0.03
P-64	6.42	P-214	0.03

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
- (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE	FLOWRATE	NODE
NAME	(gpm)	TITLE
T-1	4561.20	
T-2	-2487.31	

 NET SYSTEM INFLOW = 4561.20

 NET SYSTEM OUTFLOW = -2487.31

 NET SYSTEM DEMAND = 2073.89

***** HYDRAULIC ANALYSIS COMPLETED *****

INPUT DATA FILENAME ------ C:\JENNIF~1\JULYMO~1\HEMPWI~2.DT2
TABULATED OUTPUT FILENAME ------ C:\JENNIF~1\JULYMO~1\HEMPWI~2.OT2

SUMMARY OF ORIGINAL DATA

POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF~1\JULYMO~1\HEMPWI~2.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet PRESSURE = psig

PIPELINE DATA

PIPE NAME	NODE #1	NAMES #2	LENGTH (ft)	DIAMETER (in)	ROUGHNESS COEFF.	
P-1	J-2	J-1	315.25	6.00	100.0000	0.00
P-10	J-14	J-10	254.76	8.00	100.0000	0.00
P-100	J-303	J-302	828.95	1.50	100.0000	0.00
P-101	J-302	J-304	236.07	2.00	100.0000	0.00
P-102	J-302	J-309	845.65	3.00	100.0000	0.00
P-103	J-309	J-319	2081.37	6.00	100.0000	0.00
P-104	J-320	J-319	558.79	3.00	100.0000	0.00
P-105	J-325	J-236	1308.92	10.00	100.0000	0.00
P-106	J-328	J-325	214.24	12.00	100.0000	0.00
P-107	J-238	J-333	1677.55	8.00	100.0000	0.00
P-108	J-334	J-169	833.01	8.00	100.0000	0.00
P-109	J-234	J-338	325.13	12.00	100.0000	0.00
P-11	J-17	J-18	355.13	2.00	100.0000	0.00
P-110	J-338	J-328	909.10	12.00	100.0000	0.00
P-111	J-338	J-340	357.42	6.00	100.0000	0.00
P-112	J-333	J-341	460.78	12.00	100.0000	0.00
P-113	J-341	J-334	94.85	12.00	100.0000	0.00
P-114	J-341	J-346	433.84	6.00	100.0000	0.00
P-115	J-347	J-319	504.71	6.00	100.0000	0.00
P-116	J-347	J-346	150.42	6.00	100.0000	0.00
P-117	J-346	J-348	452.76	6.00	100.0000	0.00
P-118	J-348	J-349	290.67	6.00	100.0000	0.00
P-119	J-349	J -350	205.72	2.00	100.0000	0.00
P-12	J-19	J-17	183.94	6.00	100.0000	0.00
P-120	J-325	J-351	328.06	8.00	100.0000	0.00
P-121	J-351	J-347	559.11	8.00	100.0000	0.00
P-122	J-234	J-353	254.83	12.00	100.0000	0.00
P-123	J-334	J-354	247.87	8.00	100.0000	0.00
P-124	J-3	T-2	11.47	20.00	100.0000	0.00
P-125	J-3	Pump-1	5.94	14.00	100.0000	0.00
P-126	J-353	J-358	350.38	8.00	100.0000	0.00
P-127	J-358	J-38	269.88	8.00	100.0000	0.00
P-128	J-354	J-360	243.22	8.00	100.0000	0.00
P-129	J-360	J-353	338.83	8.00	100.0000	0.00

P-13	J-19	J-21	657.71	6.00	100.0000	0.00
P-130	J-358	J-361	341.14	6.00	100.0000	0.00
P-131	J-361	J-362	251.02	6.00	100.0000	0.00
P-132	J-361	J-360	351.45	4.00	100.0000	0.00
P-133	J-354	J-362	352.30	4.00	100.0000	0.00
P-134	J-16	J-362	282.23	2.00	100.0000	0.00
P-135	J-21	J-11	576.50	6.00	100.0000	0.00
P-136	J-364	J-367	620.85	2.00	100.0000	0.00
P-137	J-364	J-368	103.65	6.00	100.0000	0.00
P-138	J-369	J-368	1216.25	2.00	100.0000	0.00
P-139	J-368	J-376	178.68	6.00	100.0000	0.00
P-14	J-48	J-16	444.47	6.00	100.0000	0.00
P-140	J-377	J-376	731.35	2.00	100.0000	0.00
P-141	J-381	J-376	642.56	2.00	100.0000	0.00
P-142	J-328	J-385	1387.92	3.00	100.0000	0.00
P-143	J-386	J-387	159.86	2.00	100.0000	0.00
P-144	J-388	J-389	73.73	2.00	100.0000	0.00
P-145	J-389	J-391	794.08	2.00	100.0000	0.00
P-146	J-389	J-392	153.38	2.00	100.0000	0.00
P-147	J-385	J-395	723.50	3.00	100.0000	0.00
P-148	J-395	J-386	1092.31	1.50	100.0000	0.00
P-149	J-405	J-410	780.07	2.00	100.0000	0.00
P-15	J-25	J-26	17.76	2.00	100.0000	0.00
P-150	J-410	J-411	352.80	1.50	100.0000	0.00
P-151	J-410	J-395	50.96	2.00	100.0000	0.00
P-152	J-333	J-413	1247.88	8.00	100.0000	0.00
P-153	J-413	J-422	1423.13	6.00	100.0000	0.00
P-154	J-422	J-391	803.67	4.00	100.0000	0.00
P-155	J-391	J-431	1663.98	4.00	100.0000	0.00
P-156	J-431	J-434	955.76	3.00	100.0000	0.00
P-157	J-434	J-435	498.96	2.00	100.0000	0.00
P-158	J-435	J-437	423.36	2.00	100.0000	0.00
P-159	J-434	J-438	304.30	2.00	100.0000	0.00
P-16	J-27	J-25	154.27	10.00	100.0000	0.00
P-160	J-435	J-439	222.51	4.00	100.0000	0.00
P-161	J-431	J-441	249.24	2.00	100.0000	0.00
P-162	J-441	J-442	559.25	2.00	100.0000	0.00
P-163	J-441	J-444	483.18	2.00	100.0000	0.00
P-164	J-445	J-238	868.59	10.00	100.0000	0.00
P-165	J-447	J-445	57.96	2.00	100.0000	0.00
P-166	J-445	J-448	228.21	3.00	100.0000	0.00
P-167	J-2 7 7	J-455	925.21	8.00	100.0000	0.00
P-168	J-455	J-445	121.78	10.00	100.0000	0.00
P-169	J-455	J-456	453.47	8.00	100.0000	0.00
P-17	J-25	J-29	88.77	6.00	100.0000	0.00
P-170	J-242	J-276	719.95	8.00	100.0000	0.00
P-171	J-276	J-458	327.44	8.00	100.0000	0.00
P-172	J-456	J-462	377.99	6.00	100.0000	0.00
P-173	J-456	J-413	1843.98	8.00	100.0000	0.00
P-174	J-456	J-465	202.93	12.00	100.0000	0.00
P-175	J-465	J-469	981.82	12.00	100.0000	0.00
P-176	J-465	J-470	469.69	6.00	100.0000	0.00
P-177	J-470	J-471	187.69	2.00	100.0000	0.00
P-178	J-470	J-476	1163.45	2.00	100.0000	0.00
P-179	J-469	J-479	531.82	6.00	100.0000	0.00
P-18	J-29	J-30	195.27	6.00	100.0000	0.00
P-180	J-479	J-480	355.28	2.00	100.0000	0.00
P-181	J-479	J-481	408.20	2.00	100.0000	0.00
		J-484	473.01	10.00	100.0000	0.00
P-182	J-469					
P-183	J-484	J-487	667.87	2.00	100.0000	0.00
P-184	J-484	J-491	2165.33	10.00	100.0000	0.00
P-185	J-491	J-502	2217.23	2.00	100.0000	0.00
P-186	J-458	J-504	147.27	2.00	100.0000	0.00
P-187	J-458	J-507	668.94	8.00	100.0000	0.00
P-188	J-508	J-277	1691.16	8.00	100.0000	0.00
P-189	J-508	J-518	1217.87	6.00	100.0000	0.00
P-19	J-31	J-29	122.08	2.00	100.0000	0.00
	J-519	J-522	969.00	2.00	100.0000	0.00
P-190						
P-191	J-522	J-508	921.86	8.00	100.0000	0.00
P-192	J-522	J-528	61.46	8.00	100.0000	0.00
P-193	J-528	J-529	144.86	6.00	100.0000	0.00

P-194	J-529	J-532	615.35	2.00	100.0000	0.00
P-195	J-529	J-533	252.59	6.00	100.0000	0.00
P-196	J-533	J-534	389.92	2.00	100.0000	0.00
P-197	J-533	J-535	307.77	6.00	100.0000	0.00
P-198	J-535	J-536	687.87	2.00	100.0000	0.00
P-199	J-535	J-538		2.00		
			473.11		100.0000	0.00
P-2	J-2	J-5	474.91	6.00	100.0000	0.00
P-20	J-29	J-34	511.89	4.00	100.0000	0.00
P-200	J -533	J-549	498.16	6.00	100.0000	0.00
P-201	J-528	J-541	462.15	6.00	100.0000	0.00
P-202	J-541	J-548	885.58	6.00	100.0000	0.00
P-203	J-541	J-549	328.31	6.00	100.0000	0.00
P-204	J-549	J-550	561.42	6.00	100.0000	0.00
P-205-XX	T-1	J-572	7860.71	10.00	100.0000	0.00
P-206	T-1	J-15	7.63	20.00	100.0000	0.00
P-207	J-1	J-4	462.87	6.00	100.0000	0.00
P-208	J-194	J-207	10.75	6.00	100.0000	0.00
P-209	J-3	Pump-3	5.14	14.00	100.0000	0.00
P-21	J-35	J-27	189.92	18.00	100.0000	0.00
P-210	J-15	Pump-2	10.09	14.00	100.0000	0.00
P-211	Pump-1	J-15	5.04	14.00	100.0000	0.00
P-212	Pump-2	J -3	10.81	14.00	100.0000	0.00
P-213	Pump-3	J-15	5.46	14.00	100.0000	0.00
P-214	J-189	J-187	900.00	6.00	100.0000	0.00
P-215	J-11	J-364	166.53	6.00	100.0000	0.00
P-216	J-11	J-12	704.96	2.00	100.0000	0.00
P-217	J-20	J-99	214.75	8.00	100.0000	0.00
P-218	J-20	J-24	533.16	6.00	100.0000	0.00
P-219	J-23	J-54	529.86	8.00	100.0000	0.00
P-22	J-27	T-2	70.66	20.00	100.0000	0.00
P-220	J-23	J-28	397.39	2.00	100.0000	0.00
P-221	J-32	J-62	613.78	8.00	100.0000	0.00
P-222	J-32	J-33	629.85	2.00	100.0000	0.00
P-223	J-36	J-40	171.17	6.00	100.0000	0.00
P-224	J-36	J-37	337.95	2.00	100.0000	0.00
P-225	J-287	J-41	2385.33	2.00	100.0000	0.00
P-226	J-40	J-153	371.12	2.50	100.0000	0.00
P-227	J-548	J-43	1900.00	2.00	100.0000	0.00
P-228	J-183	G-M1	1454.66	8.00	100.0000	0.00
P-229	J-143	G-M2	1164.54	6.00	100.0000	0.00
P-23	J-38	J-19	767.97	6.00	100.0000	0.00
P-230	J-491	G-M3	768.01	10.00	100.0000	0.00
P-232	J-47	J-42	620.65	6.00	100.0000	0.00
P-238	J-58	J-42	1326.60	6.00	100.0000	0.00
	J-42	J-25	3142.84	10.00	100.0000	
P-24						0.00
P-25	J-48	J-38	121.47	6.00	100.0000	0.00
P-26	J-49	J-51	256.02	2.00	100.0000	0.00
P-27	J-51	J-53	222.20	2.00	100.0000	0.00
P-28	J-54	J-61	2793.09	4.00	100.0000	0.00
P-29	J-51	J-62	159.60	3.00	100.0000	0.00
P-3	J-5	J-6	297.38	6.00	100.0000	0.00
P-30	J-63	J-32	322.24	8.00	100.0000	0.00
P-31	J-62	J -76	1716.40	8.00	100.0000	0.00
P-32	J-76	J-54	1704.98	8.00	100.0000	0.00
P-33	J-76	J-86	1607.52	4.00	100.0000	0.00
		J-87	386.82	3.00	100.0000	0.00
P-34	J-86					
P-35	J-88	J-23	219.26	8.00	100.0000	0.00
P-36	J-88	J-96	1136.02	2.00	100.0000	0.00
P-37	J-42	J-20	495.65	8.00	100.0000	0.00
P-38	J-99	J-88	406.40	8.00	100.0000	0.00
P-39	J-99	J-101	569.50	2.00	100.0000	0.00
P-4	J-4	J-7	152.48	2.00	100.0000	0.00
P-40	J-102	J-101	294.31	1.50	100.0000	0.00
P-41	J-22	J-104	227.16	6.00	100.0000	0.00
P-42	J-104	J-47	1022.52	6.00	100.0000	0.00
P-43	J-104	J-119	1945.50	4.00	100.0000	0.00
P-44	J-17	J-120	196.90	4.00	100.0000	0.00
	J-120	J-22	22.72	8.00	100.0000	0.00
P-45						
P-46	J-120	J-129	3672.76	4.00	100.0000	0.00
P-47	J-38	J-131	201.14	6.00	100.0000	0.00
P-48	J-131	J-58	597.75	6.00	100.0000	0.00

P-49	J-131	J-139	437.26	2.00	100.0000	0.00
P-5	J-5	J-8	178.38	2.00	100.0000	0.00
P-50	J-143	J-1	1063.75	6.00	100.0000	0.00
P-51	J-143	J-36	1184.00	6.00	100.0000	0.00
P-52	J-143	J-154	942.86	6.00	100.0000	0.00
P-53	J-155	J-154	284.72	2.00	100.0000	0.00
P-54	J-14	J-157	27.84	8.00	100.0000	0.00
P-55	J-157	J-158	62.13	8.00	100.0000	0.00
P-56	J-158	J-161	659.07	6.00	100.0000	0.00
P-57	J-161	J-168	1390.51	2.00	100.0000	0.00
P-58	J-169	J-14	602.60	8.00	100.0000	0.00
P-59	J-157	J-171	242.28	10.00	100.0000	0.00
P-6	J-8	J-4	127.99	2.00	100.0000	0.00
P-60	J-169	J-171	346.03	6.00	100.0000	0.00
P-61	J-171	J-172	571.40	2.00	100.0000	0.00
P-62	J-158	J-189	2854.86	8.00	100.0000	0.00
P-63	J-184	J-186	957.32	4.00	100.0000	0.00
P-64	J-44	J-226	2919.07	3.00	100.0000	0.00
P-65	J-189	J-183	182.01	8.00	100.0000	0.00
P-65-1	J-189	J-192	1191.00	6.00	100.0000	0.00
P-66	J-192	J-193	706.00	2.00	100.0000	0.00
P-67	J-194	J-14	1007.96	6.00	100.0000	0.00
P-68	J-184	J-199	1034.96	6.00	100.0000	0.00
P-69	J-199	J-194	626.76	6.00	100.0000	0.00
P-7	J-8	J-9	160.09	2.00	100.0000	0.00
P-70	J-199	J-206	804.73	3.00	100.0000	0.00
P-71	J-207	J-217	1179.47	3.00	100.0000	0.00
P-72	J-217	J-44	717.59	3.00	100.0000	0.00
P-73	J-227	J-217	199.86	3.00	100.0000	0.00
P-74	J-228	J-35	716.48	8.00	100.0000	0.00
P-75	J-171	J-234	592.28	12.00	100.0000	0.00
P-76	J-234	J-35	367.82	16.00	100.0000	0.00
P-77	J-236	J-237	75.84	8.00	100.0000	0.00
P-78	J-238	J-240	82.65	8.00	100.0000	0.00
P-79	J-240	J-237	30.69	8.00	100.0000	0.00
P-8	J-10	J-2	607.39	8.00	100.0000	0.00
P-80	J-240	J-241	622.03	6.00	100.0000	0.00
P-81	J-236	J-242	863.90	8.00	100.0000	0.00
P-82	J-242	J-246	847.96	6.00	100.0000	0.00
P-83	J-246	J-249	587.14	6.00	100.0000	0.00
P-84	J-237	J-249	1225.86	6.00	100.0000	0.00
P-85	J-249	J-253	103.85	6.00	100.0000	0.00
P-86	J-246	J-258	971.12	6.00	100.0000	0.00
P-87	J-258	J-259	87.18	6.00	100.0000	0.00
P-88	J-258	J-264	578.05	2.00	100.0000	0.00
P-89	J-265	J-266	770.41	4.00	100.0000	0.00
P-9	J-10	J-13	387.24	3.00	100.0000	0.00
P-90	J-259	J-265	752.50	6.00	100.0000	0.00
P-91	J-265	J-276	694.72	6.00	100.0000	0.00
P-92	J-277	J-278	584.71	4.00	100.0000	0.00
P-93	J-279	J-278	559.03	4.00	100.0000	0.00
P-94	J-278	J-281	340.76	4.00	100.0000	0.00
P-95	J-281	J-284	1493.84	3.00	100.0000	0.00
P-96	J-285	J-286	228.59	6.00	100.0000	0.00
P-97	J-287	J-286	107.43	6.00	100.0000	0.00
P-98	J-286	J-259	1987.34	6.00	100.0000	0.00
P-99	J-298	J-302	980.60	3.00	100.0000	0.00

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENCY (%)	
150.00	0.00	75.00 (De f aul	t)
142.00	800.00	75.00 (Defaul	t)
106.00	1800.00	75.00 (Defaul	t)

THERE IS A DEVICE AT NODE Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

HEAD	FLOWRATE	EFFICIENC	CY
(ft)	(gpm)	(%)	
			-
150.00	0.00	75.00	(Default)
142.00	800.00	75.00	(Default)
106.00	1800.00	75.00	(Default)

THERE IS A DEVICE AT NODE Pump-3 DESCRIBED BY THE FOLLOWING DATA: (ID= 1)

HEAD (ft)	FLOWRATE (gpm)	EFFICIENC (%)	Υ
150.00	0.00		(Default) (Default)
106.00	1800.00		(Default)

END NODE DATA

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	JUNCTION ELEVATION (ft)	EXTERNAL GRADE (ft)
G-M1		0.00	260.00	
G-M2		0.00	263.00	
G-M3		0.00	254.00	
J-1		0.00	267.48	
J-10		0.00	271.75	
J-101		1.06	309.41	
J-102		0.00	310.00	
J-104		4.66	304.60	
J-11		0.00	292.00	
J-119		1.06	290.00	
J-12		0.00	295.00	
J-120		0.00	300.60	
J-129		9.32	304.02	
J-13		2.38	264.48	
J-131		0.00	300.00	
J-139		0.00	291.98	
J-14		2.38	280.00	
J-143		0.00	263.30	
J-15		0.00	280.00	
J-153		2.38	281.83	
J-154		1.19	260.00	
J-155		1.19	260.00	
J-157		0.00	280.00	
J-158		0.00	280.00	
J-16		0.00	291.00	
J-161		0.00	270.00	
J-168		0.00	263.08	
J-169		0.00	280.00	
J-17		0.00	303.37	
J-171		0.00	280.00	
J-172		0.00	271.79	
J-18		0.00	310.00	
J-183		19.11	259.92	
J-184		0.00	263.89	
J-186		2.38	240.47	
J-187		2.38	240.00	
J-189		0.00	260.00	
J-19		9.32	304.63	
J-192		4.76	250.00	
J-193		0.00	237.00	
J-194		0.00	280.00	
J-199		4.76	276.97	
J-2		2.38	270.00	
J-20		0.00	297.00	

T 206	2 20	270 00
J-206	2.38	270.00
J-207	0.00	280.00
J-21	4.66	297.50
J-217	0.00	267.84
J-22	4.66	299.91
J-226	2.38	258.96
J-227	2.38	270.00
J-228	0.00	287.77
J-23	0.00	305.00
J-234	4.66	284.93
J-236	4.66	254.79
J-237	0.00	257.27
J-238	0.00	257.84
J-24	0.00	290.00
J-240	0.00	258.38
J-241	4.66	256.48
J-242	0.00	285.73
J-246	0.00	264.14
J-249	0.00	260.99
J-25	0.00	280.00
J-253	0.00	263.44
J-258	0.00	274.64
J-259	0.00	273.33
J-26	0.00	280.00
J-264	0.00	280.00
J-265	9.32	280.00
J-266	4.66	262.95
J-27	0.00	280.00
J-276	0.00	275.96
J-277	0.00	274.93
J-278	0.00	280.00
J-279	4.66	280.00
J-28	0.00	300.00
J-281	0.00	274.53
J-284	4.66	294.97
J-285	0.00	310.00
J-286	9.32	292.33
J-287	16.73	292.76
J-29	0.00	280.00
J-298	2.38	240.00
J-3	0.00	280.00
J-30	0.00	272.79
J-302	0.00	233.85
J-303	0.00	242.80
J-304	0.00	230.00
J-309	0.00	244.20
J-31	0.00	278.41
J-319	4.66	271.11
J-32	0.00	273.00
J-320	2.38	270.00
J-325	0.00	280.00
J-328	0.00	280.00
J-33	0.00	270.00
J-333		
	0.00	280.00
J-334	9.32	285.09
J-338	4.66	288.64
J-34	4.66	280.00
J-340	0.00	281.35
J-341	0.00	283.16
	0.00	
J-346		275.38
J-347	4.66	274.79
J-348	0.00	281.34
J-349	0.00	280.00
J-35	4.66	280.00
J-350	0.00	280.00
J-351	4.66	280.00
J-353		287.75
	9.32	20,.,.
J-354		
J-354	4.66	288.61
J-358	4.66 9.32	288.61 295.52
	4.66	288.61
J-358	4.66 9.32	288.61 295.52

T 261	9.32	200 00
J-361		290.00
J-362	4.66	290.00
J-364	0.00	291.03
J-367	1.06	291.54
J-368	0.00	294.06
J-369	1.06	280.00
	0.00	
J -37		275.00
J-376	0.00	300.79
J-377	1.06	308.07
	4.66	
J-38		296.07
J-381	1.06	295.71
J-385	0.00	289.30
J-386	0.00	
		300.97
J-387	0.00	305.78
J-388	0.00	270.00
J-389	1.06	270.00
J-391	0.00	290.61
J-392	0.00	275.02
J-395	1.06	
		300.00
J-4	2.38	257.30
J-40	16.73	279.00
J-405	1.06	305.01
J-41	0.00	250.00
J-410	0.00	300.00
J-411	0.00	300.00
J-413	0.00	274.34
J-42	9.32	298.30
J-422	2.12	300.00
J-43	0.00	230.00
J-431	0.00	304.83
J-434	1.06	305.07
J-435	0.00	300.59
J-437	1.06	310.00
	0.00	
J-438		310.00
J-439	0.00	291.34
J-44	0.00	259.82
J-441	0.00	304.63
J-442	0.00	310.00
J-444	1.06	320.00
J-445	0.00	285.39
J-447	0.00	284.02
J-448	4.66	285.15
J-455	4.66	281.89
J-456	0.00	282.32
J-458	0.00	275.18
J-462	1.06	288.46
J-465	0.00	287.11
J-469	1.06	310.00
J-47	16.73	300.00
	1.06	
J-470		293.43
J-471	0.00	290.00
J-476	0.00	310.00
J-479	1.06	310.00
J-48	0.00	293.36
J-480	0.00	306.99
J-481	0.00	320.00
J-484	0.00	308.25
J-487	1.06	291.23
J-49	0.00	278.91
J-491	1.06	254.57
J-5	0.00	260.00
J-502	1.06	250.00
J-504	0.00	273.97
J-507	0.00	270.69
J-508	0.00	255.88
J-51	4.66	289.90
J-518	1.06	270.92
J-519	0.00	230.00
J-522	0.00	251.78
J-528	0.00	250.37
J-529	0.00	250.00
J J Z J	0.00	250.00

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288.83
250.00
     J-53
                             0.00
     J-532
                            1.06
                                     240.00
240.00
                             1.06
     J-533
     J-534
                             0.00
     J-535
                            0.00
                                     240.00
     J-536
                            1.06
                                     233.67
                            1.06
9.32
                                     263.02
307.84
     J-538
     J-54
     J-541
                                     239.97
                            1.06
                                     233.10
236.88
     J-548
                           17.79
     J-549
                             0.00
                           17.79
                                     230.00
     J-550
     J-572
                            2.38
                                     300.00
                                     299.00
252.85
     J-58
                            16.73
      J-6
                             2.38
      J-61
                                     288.72
                            9.32
                                     290.00
262.49
      J-62
                            4.66
     J-63
                             4.66
                                      254.10
      J-7
                            0.00
      J-76
                            4.66
                                     320.00
                                     258.16
290.00
      J-8
                            0.00
     J-86
                            4.66
                                     288.51
     J-87
                            4.66
                                     303.82
     J-88
                            0.00
      J-9
                             0.00
                                      252.47
                                     301.83
                            1.06
     J-96
     J-99
                            9.32
                                     296.50
                                     280.00
280.00
    Pump-1
                            0.00
                           0.00 280.00

0.00 280.00

---- 280.00 304.00

---- 280.00 423.00
    Pump-2
    Pump-3
      T-1
       T-2
OUTPUT OPTION DATA
OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
       MAXIMUM AND MINIMUM PRESSURES = 20
       MAXIMUM AND MINIMUM VELOCITIES = 20
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 20
SYSTEM CONFIGURATION
    NUMBER OF PIPES .....(p) = 233
    NUMBER OF END NODES ......\langle j \rangle = 216
    NUMBER OF PRIMARY LOOPS .....(1) = 16
    NUMBER OF SUPPLY NODES .....(f) =
    NUMBER OF SUPPLY ZONES .....(z) =
_______
CHANGES FOR NEXT SIMULATION (Change Number = 2)
JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE
RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00321
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PIPELINE RESULTS

PIPE	NODE	NUMBERS	FLOWRATE	HEAD	MINOR	LINE	HL/
N A M E	#1	#2	(gpm)	LOSS (ft)	LOSS	VELO. (ft/s)	1000 (ft/ft)
P-1	J-2	J -1	162.55	1.31	0.00	1.84	4.17
P-10	J-14	J-10	205.85	0.41	0.00	1.31	1.59
P-100	J-303	J-302	0.00	0.00	0.00	0.00	0.00
P-101	J-302	J-304	0.00	0.00	0.00	0.00	0.00
P-102	J-302	J-309	-11.42	0.75	0.00	0.52	0.89
P-103	J-309 J-320	J-319	-11.42 -11.42	0.06	0.00	0.13	0.03
P-104 P-105	J-325	J-319 J-236	550.62	0.50 4.34	0.00	0.52 2.25	0.89 3.32
P-105	J-328	J-325	697.14	0.45	0.00	1.98	2.11
P-107	J-238	J-333	-241.16	3.58	0.00	1.54	2.13
P-108	J-334	J-169	-190.38	1.15	0.00	1.22	1.38
P-109	J-234	J-338	729.68	0.75	0.00	2.07	2.30
P-11	J-17	J-18	0.00	0.00	0.00	0.00	0.00
P-110	J-338	J-328	707.32	1.97	0.00	2.01	2.17
P-111	J-338	J-340	0.00	0.00	0.00	0.00	0.00
P-112	J-333	J-341	-527.19	0.58	0.00	1.50	1.26
P-113	J-341	J-334	-470.62	0.10	0.00	1.33	1.02
P-114	J-341	J-346	-56.57	0.26	0.00	0.64	0.59
P-115	J-347	J-319	45.22	0.20	0.00	0.51	0.39
P-116	J-347 J-346	J-346	56.57	0.09	0.00	0.64 0.00	0.59
P-117 P-118	J-348	J-348 J-349	0.00 0.00	0.00	0.00	0.00	0.00 0.00
P-119	J-349	J-350	0.00	0.00	0.00	0.00	0.00
P-12	J-19	J-17	53.31	0.10	0.00	0.60	0.53
P-120	J-325	J-351	146.52	0.28	0.00	0.94	0.85
P-121	J-351	J-347	124.15	0.35	0.00	0.79	0.62
P-122	J-234	J-353	788.96	0.68	0.00	2.24	2.66
P-123	J-334	J-354	-324.97	0.92	0.00	2.07	3.70
P-124	J-3	T-2	4559.53	0.07	0.00	4.66	5.69
P-125	J-3	Pump-1	-1520.16	0.03	0.00	3.17	4.23
P-126	J-353	J-358	375.16	1.69	0.00	2.39	4.83
P-127 P-128	J-358 J-354	J-38 J-360	258.70 -318.08	0.66 0.87	0.00	1.65 2.03	2.43 3.56
P-128 P-129	J-360	J-353	-369.07	1.59	0.00	2.36	4.69
P-13	J-19	J-21	42.72	0.23	0.00	0.48	0.35
P-130	J-358	J-361	71.72	0.31	0.00	0.81	0.92
P-131	J-361	J-362	55.60	0.14	0.00	0.63	0.57
P-132	J-361	J-360	-28.62	0.42	0.00	0.73	1.20
P-133	J-354	J-362	-29.26	0.44	0.00	0.75	1.25
P-134	J-16	J-362	-3.97	0.26	0.00	0.41	0.91
P-135	J-21	J-11	20.35	0.05	0.00	0.23	0.09
P-136	J-364	J-367	5.09	0.89	0.00	0.52	1.44
P-137	J-364	J-368	15.26	0.01	0.00	0.17	0.05
P-138	J-369	J-368	-5.09	1.75	0.00	0.52	1.44
P-139 P-14	J-368 J-48	J-376 J-16	10.18 -3.97	0.00	0.00	0.12 0.05	0.02 0.00
P-140	J-377	J-376	-5.09	1.05	0.00	0.52	1.44
P-141	J-381	J-376	-5.09	0.92	0.00	0.52	1.44
P-142	J-328	J-385	10.18	1.00	0.00	0.46	0.72
P-143	J-386	J-387	0.00	0.00	0.00	0.00	0.00
P-144	J-388	J-389	0.00	0.00	0.00	0.00	0.00
P-145	J-389	J-391	-5.09	1.14	0.00	0.52	1.44
P-146	J-389	J-392	0.00	0.00	0.00	0.00	0.00
P-147	J-385	J-395	10.18	0.52	0.00	0.46	0.72
P-148	J-395	J-386	0.00	0.00	0.00	0.00	0.00
P-149	J-405	J-410	-5.09	1.12	0.00	0.52	1.44
P-15	J-25	J-26	0.00	0.00	0.00	0.00	0.00
P-150	J-410	J-411	0.00 -5.09	0.00	0.00	0.00	0.00
P-151 P-152	J-410 J-333	J-395 J-413	-5.09 286.03	0.07 3.65	0.00	0.52 1.83	1.44 2.92
P-152 P-153	J-333 J-413	J-413 J-422	30.53	0.27	0.00	0.35	0.19
P-153 P-154	J-422	J-391	20.35	0.51	0.00	0.52	0.64
P-155	J-391	J-431	15.26	0.63	0.00	0.39	0.38

P-156	J-431	J-434	10.18	0.69	0.00	0.46	0.72
P-157	J-434	J-435	5.09	0.72	0.00	0.52	1.44
P-158	J-435	J-437	5.09	0.61	0.00	0.52	1.44
P-159	J-434	J-438	0.00	0.00	0.00	0.00	0.00
P-16	J-27	J-25	448.01	0.35	0.00	1.83	2.26
P-160	J-435	J-439	0.00	0.00	0.00	0.00	0.00
P-161	J-431	J-441	5.09	0.36	0.00	0.52	1.44
P-162	J-441	J-442	0.00	0.00	0.00	0.00	
							0.00
P-163	J-441	J-444	5.09	0.69	0.00	0.52	1.44
P-164	J-445	J-238	-554.90	2.92	0.00	2.27	3.37
P-165	J-447	J-445	0.00	0.00	0.00	0.00	0.00
P-166	J-445	J-448	22.37	0.71	0.00	1.02	3.10
P-167	J-277	J-455	-246.05	2.05	0.00	1.57	2.21
P-168		J-445	-532.53				
	J-455			0.38	0.00	2.18	3.12
P-169	J-455	J-456	264.11	1.14	0.00	1.69	2.52
P-17	J-25	J-29	22.37	0.01	0.00	0.25	0.11
P-170	J-242	J-276	103.24	0.32	0.00	0.66	0.44
P-171	J-276	J-458	0.00	0.00	0.00	0.00	0.00
P-172	J-456	J-462	5.09	0.00	0.00	0.06	0.01
P-173	J-456	J-413	-255.50	4.37	0.00	1.63	2.37
P-174	J-456	J-465	514.53	0.24	0.00	1.46	1.20
P-175	J-465	J-469	509.44	1.16	0.00	1.45	1.18
P-176	J-465	J-470	5.09	0.00	0.00	0.06	0.01
P-177	J-470	J-471	0.00	0.00	0.00	0.00	0.00
P-178	J-470	J-476	0.00	0.00	0.00	0.00	0.00
P-179	J-469	J-479	5.09	0.00	0.00	0.06	0.01
P-18	J-29	J-30	0.00	0.00	0.00	0.00	0.00
P-180	J-479	J-480	0.00	0.00	0.00	0.00	0.00
P-181	J-479	J-481	0.00	0.00	0.00	0.00	0.00
P-182	J-469	J-484	499.26	1.31	0.00	2.04	2.77
P-183	J-484	J-487	5.09	0.96	0.00		
						0.52	1.44
P-184	J-484	J-491	494.18	5.88	0.00	2.02	2.72
P-185	J-491	J-502	5.09	3.18	0.00	0.52	1.44
P-186	J-458	J-504	0.00	0.00	0.00	0.00	0.00
P-187	J-458	J-507	0.00	0.00	0.00	0.00	0.00
P-188	J-508	J-277	-201.31	2.58	0.00	1.28	1.53
P-189	J-508	J-518	5.09	0.01	0.00	0.06	0.01
P-19	J-31	J-29	0.00	0.00	0.00	0.00	0.00
P-190	J-519	J-522	0.00	0.00	0.00	0.00	0.00
P-191	J-522	J-508	-196.22	1.34	0.00	1.25	1.46
P-192	J-522	J-528	196.22	0.09	0.00	1.25	1.46
P-193	J-528	J-529	88.59	0.20	0.00	1.01	1.35
P-194	J-529	J-532	5.09	0.88	0.00	0.52	1.44
P-195	J-529	J-533	83.50	0.31	0.00	0.95	1.21
P-196	J-533	J-534	0.00	0.00	0.00	0.00	0.00
P-197	J-533	J-535	10.18	0.01	0.00	0.12	0.02
P-198	J-535	J -536	5.09	0.99	0.00	0.52	1.44
P-199	J-535	J-538	5.09	0.68	0.00	0.52	1.44
P-2	J-2	J-5	20.45	0.04	0.00	0.23	0.09
P-20	J-29	J-34	22.37	0.39	0.00	0.57	0.76
P-200	J-533	J-549	68.24	0.42	0.00	0.77	0.84
P-201	J-528	J-541	107.63	0.90	0.00	1.22	1.94
P-202	J-541	J-548	85.39	1.12	0.00	0.97	1.27
P-203	J-541	J-549	17.15	0.02	0.00	0.19	0.06
P-204	J-549	J-550	85.39	0.71	0.00	0.97	1.27
P-205	T-1	J-572	11.42	0.02	0.00	0.05	0.00
P-206	T-1	J-15	4559.53	0.04	0.00	4.66	5.69
P-207	J-1	J-4	2.40	0.00	0.00	0.03	0.00
P-208	J-194	J-207	22.85	0.00	0.00	0.26	0.11
P-209	J-3	Pump-3	-1520.19	0.02	0.00	3.17	4.23
P-21	J-35	J-27	-2370.58	0.54	0.00	2.99	2.83
P-210	J-15	Pump-2	1519.18	0.04	0.00	3.17	4.22
P-211	Pump-1	J-15	-1520.16	0.02	0.00	3.17	4.23
P-212	Pump-2	J-3	1519.18	0.05	0.00	3.17	4.22
P-213	Pump-3	J-15	-1520.19	0.02	0.00	3.17	4.23
P-214	J-189	J-187	11.42	0.03	0.00	0.13	0.03
		J-364	20.35	0.01	0.00	0.23	0.09
P-215	J-11						
P-216	J-11	J-12	0.00	0.00	0.00	0.00	0.00
P-217	J-20	J -99	278.59	0.60	0.00	1.78	2.78
P-218	J-20	J-24	0.00	0.00	0.00	0.00	0.00
P-219	J-23	J-54	223.68	0.98	0.00	1.43	1.85
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P-22	J-27	T-2	-2818.59	0.16	0.00	2.88	2.33
P-220	J-23	J-28	0.00	0.00	0.00	0.00	0.00
P-221	J-32	J-62	-22.37	0.00	0.00	0.14	0.03
P-222	J-32	J-33	0.00	0.00	0.00	0.00	0.00
P-223	J-36	J-40	91.73	0.25	0.00	1.04	1.44
P-224	J -36	J-37	0.00	0.00	0.00	0.00	0.00
P-225	J-287	J-41	0.00	0.00	0.00	0.00	0.00
P-226	J-40	J-153	11.42	0.80	0.00	0.75	2.17
P-227	J-548	J-43	0.00	0.00	0.00	0.00	0.00
P-228	J-183	G-M1	205.00	2.30	0.00	1.31	1.58
P-229	J-143	G-M2	57.00	0.70	0.00	0.65	0.60
P-23	J-38	J-19	140.77	2.45	0.00	1.60	3.19
P-230	J-491	G-M3	484.00	2.01	0.00	1.98	2.61
P-232	J-47	J-42	-121.55	1.51	0.00	1.38	2.43
P-238	J-58	J-42	19.24	0.11		0.22	0.08
					0.00		
P-24	J-42	J-25	-425.64	6.47	0.00	1.74	2.06
P-25	J-48	J-38	3.97	0.00	0.00	0.05	0.00
P-26	J-49	J-51	0.00	0.00	0.00	0.00	0.00
P-27	J-51	J-53	0.00	0.00	0.00	0.00	0.00
P-28	J-54	J-61	44.74	7.69	0.00	1.14	2.75
P-29	J-51	J-62	-22.37	0.49	0.00	1.02	3.10
P-3	J-5	J-6	11.42	0.01	0.00	0.13	0.03
P-30	J-63	J-32	-22.37	0.01	0.00	0.14	0.03
P-31	J-62	J-76	-67.10	0.34	0.00	0.43	0.20
P-32	J-76	J-54	-134.21	1.23	0.00	0.86	0.72
P-33	J-76	J-86	44.74				
				4.42	0.00	1.14	2.75
P-34	J-86	J-87	22.37	1.20	0.00	1.02	3.10
P-35	J-88	J-23	223.68	0.41	0.00	1.43	1.85
P-36	J-88	J-96	5.09	1.63	0.00	0.52	1.44
P-37	J-42	J-20	278.59	1.38	0.00	1.78	2.78
P-38	J-99	J-88	228.77	0.79	0.00	1.46	1.93
P-39	J-99	J-101	5.09	0.82	0.00	0.52	1.44
P-4	J-4	J-7	0.00	0.00	0.00	0.00	0.00
P-40	J-102	J-101	0.00	0.00	0.00	0.00	0.00
P-41	J-22	J-104	-13.79	0.01	0.00	0.16	0.04
P-42	J-104	J-47	-41.25	0.34	0.00	0.47	0.33
P-43	J-104	J-119	5.09	0.10	0.00	0.13	0.05
		J-120	53.31	0.75		1.36	
P-44	J-17				0.00		3.81
P-45	J-120	J-22	8.58	0.00	0.00	0.05	0.00
P-46	J-120	J-129	44.74	10.11	0.00	1.14	2.75
P-47	J-38	J-131	99.54	0.34	0.00	1.13	1.68
P-48	J-131	J-58	99.54	1.00	0.00	1.13	1.68
P-49	J-131	J-139	0.00	0.00	0.00	0.00	0.00
P-5	J-5	J-8	9.03	0.74	0.00	0.92	4.15
P-50	J-143	J-1	-160.15	4.31	0.00	1.82	4.05
P-51	J-143	J-36	91.73	1.71	0.00	1.04	1.44
P-52	J-143	J-154	11.42	0.03	0.00	0.13	0.03
P-53	J-155	J-154	-5.71	0.51	0.00	0.58	1.78
P-54	J-14	J-157	-325.10	0.10	0.00	2.07	3.71
P-55	J-157	J-158	331.00	0.24	0.00	2.11	3.83
P-56	J-158	J-161	0.00	0.00	0.00	0.00	0.00
P-57		J-168	0.00	0.00	0.00	0.00	0.00
	J-161						
P-58	J-169	J-14	-39.29	0.04	0.00	0.25	0.07
P-59	J-157	J-171	-656.10	1.11	0.00	2.68	4.59
P-6	J-8	J-4	9.03	0.53	0.00	0.92	4.15
P-60	J-169	J-171	-151.09	1.26	0.00	1.71	3.64
P-61	J-171	J-172	0.00	0.00	0.00	0.00	0.00
P-62	J-158	J-189	331.00	10.94	0.00	2.11	3.83
P-63	J-184	J-186	11.42	0.21	0.00	0.29	0.22
P-64	J-44	J-226	11.42	2.60	0.00	0.52	0.89
P-65	J-189	J-183	296.73	0.57	0.00	1.89	3.13
P-65-1	J-189	J-192	22.85	0.13	0.00	0.26	0.11
		J-192 J-193	0.00	0.00	0.00	0.00	
P-66	J-192						0.00
P-67	J-194	J-14	-68.54	0.85	0.00	0.78	0.84
P-68	J-184	J-199	-11.42	0.03	0.00	0.13	0.03
P-69	J-199	J-194	-45.70	0.25	0.00	0.52	0.40
P-7	J-8	J-9	0.00	0.00	0.00	0.00	0.00
P-70	J-199	J-206	11.42	0.72	0.00	0.52	0.89
P-71	J-207	J-217	22.85	3.80	0.00	1.04	3.22
P-72	J-217	J-44	11.42	0.64	0.00	0.52	0.89
P-73	J-227	J-217	-11.42	0.18	0.00	0.52	0.89
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P-74	J-228	J-35	0.00	0.00	0.00	0.00	0.00
P-75	J-171	J-234	-807.20	1.64	0.00	2.29	2.77
P-76	J-234	J- 35	-2348.21	1.82	0.00	3.75	4.94
P-77	J-236	J-237	380.61	0.38	0.00	2.43	4.96
P-78	J-238	J-240	-313.74	0.29	0.00	2.00	3.47
P-79	J-240	J-237	-336.11	0.12	0.00	2.15	3.94
P-8	J-10	J-2	194.42	0.87	0.00	1.24	1.43
P-80	J-240	J-241	22.37	0.07	0.00	0.25	0.11
P-81	J-236	J-242	147.64	0.74	0.00	0.94	0.86
P-82	J-242	J-246	44.40	0.32	0.00	0.50	0.38
P-83	J-246	J-249	-44.50	0.22	0.00	0.50	0.38
P-84	J-237	J-249	44.50	0.46	0.00	0.50	0.38
P-85	J-249	J-253	0.00	0.00	0.00	0.00	0.00
P-86	J-246	J-258	88.90	1.32	0.00	1.01	1.36
P-87	J-258	J-259	88.90	0.12	0.00	1.01	1.36
P-88	J-258	J-264	0.00	0.00	0.00	0.00	0.00
P-89	J-265	J-266	22.37	0.59	0.00	0.57	0.76
P-9	J-10	J-13	11.42	0.35	0.00	0.52	0.89
P-90	J -259	J-265	-36.14	0.19	0.00	0.41	0.26
P-91	J- 265	J-276	-103.24	1.25	0.00	1.17	1.80
P-92	J-277	J-278	44.74	1.61	0.00	1.14	2.75
P-93	J-279	J-278	-22.37	0.43	0.00	0.57	0.76
P-94	J-278	J-281	22.37	0.26	0.00	0.57	0.76
P-95	J-281	J-284	22.37	4.62	0.00	1.02	3.10
P-96	J-285	J-286	0.00	0.00	0.00	0.00	0.00
P-97	J-287	J-286	-80.30	0.12	0.00	0.91	1.13
P-98	J-286	J-259	-125.04	5.10	0.00	1.42	2.56
P-99	J-298	J-302	-11.42	0.87	0.00	0.52	0.89

PUMP/LOSS ELEMENT RESULTS

NAME	FLOWRATE (gpm)	INLET HEAD (ft)	OUTLET HEAD (ft)	HEAD CHANGE (ft)	EFFIC- ENCY (%)	USEFUL POWER (Hp)	INCREMTL COST (\$)	TOTAL COST (\$)
Pump-1	1520.16	23.94	143.09	119.2				
Pump-2	1519.18	23.91	143.11	119.2				
Pump-3	1520.19	23.93	143.09	119.2				

END NODE RESULTS

NODE NAME	NODE TITLE	EXTERNAL DEMAND (gpm)	GRADE	NODE ELEVATION (ft)	HEAD	
G-M1		205.00	403.68	260.00	143.68	62.26
G-M2		57.00	410.03	263.00	147.03	63.71
G-M3		484.00	397.13	254.00	143.13	62.02
J-1		0.00	415.04	267.48	147.56	63.94
J-10		0.00	417.22	271.75	145.47	63.04
J-101		5.09(4	.80) 413.22	309.41	103.81	44.98
J-102		0.00	413.22	310.00	103.22	44.73
J-104		22.37(4	.80) 414.17	304.60	109.57	47.48
J-11		0.00	414.73	292.00	122.73	53.18
J-119		5.09(4	.80) 414.07	290.00	124.07	53.76
J-12		0.00	414.73	295.00	119.73	51.88
J-120		0.00	414.16	300.60	113.56	49.21
J-129		44.74(4	.80) 404.05	304.02	100.03	43.35
J-13		11.42(4	.80) 416.87	264.48	152.39	66.04
J-131		0.00	417.12	300.00	117.12	50.75
J-139		0.00	417.12	291.98	125.14	54.23
J-14		11.42(4	.80) 417.62	280.00	137.62	59.64
J-143		0.00	410.72	263.30	147.42	63.88
J-15		0.00	303.96	280.00	23.96	10.38
J-153		11.42(4	.80) 407.96	281.83	126.13	54.66

J-154	5.71(4.80)	410.70	260.00	150.70	65.30
J-155	5.71(4.80)		260.00	150.19	65.08
J-157	0.00	417.73	280.00	137.73	
					59.68
J-158	0.00	417.49	280.00	137.49	59.58
J-16	0.00	417.46	291.00	126.46	54.80
J-161	0.00	417.49	270.00	147.49	63.91
J-168	0.00	417.49	263.08	154.41	66.91
J-169	0.00	417.58	280.00	137.58	59.62
J-17	0.00	414.91	303.37	111.54	48.33
J-171	0.00	418.84	280.00	138.84	60.16
J-172	0.00	418.84	271.79	147.05	63.72
J-18	0.00	414.91	310.00	104.91	45.46
J-183	91.73(4.80)		259.92	146.06	63.29
J-184					
	0.00	416.50	263.89	152.61	66.13
J-186	11.42(4.80)		240.47	175.82	76.19
J-187	11.42(4.80)	406.52	240.00	166.52	72.16
J-189	0.00	406.55	260.00	146.55	63.50
J-19	44.74(4.80)		304.63	110.38	47.83
J-192	22.85(4.80)		250.00		
				156.42	67.78
J-193	0.00	406.42	237.00	169.42	73.41
J-194	0.00	416.78	280.00	136.78	59.27
J-199	22.85(4.80)	416.53	276.97	139.56	60.47
J-2	11.42(4.80)	416.35	270.00	146.35	63.42
J-20	0.00	414.63	297.00	117.63	50.97
J-206	11.42(4.80)		270.00	145.81	63.18
J-207	0.00	416.77	280.00	136.77	59.27
J-21	22.37(4.80)		297.50	117.28	50.82
J-217	0.00	412.98	267.84	145.14	62.89
J-22	22.37(4.80)	414.16	299.91	114.25	49.51
J-226	11.42(4.80)		258.96	150.77	65.34
J-227	11.42(4.80)		270.00		
				142.80	61.88
J-228	0.00	422.30	287.77	134.53	58.30
J-23	0.00	412.84	305.00	107.84	46.73
J-234	22.37(4.80)	420.48	284.93	135.55	58.74
J-236	22.37(4.80)	412.97	254.79	158.18	68.54
J-237	0.00	412.59	257.27	155.32	67.31
J-238	0.00	412.18	257.84	154.34	66.88
J-24	0.00	414.63	290.00	124.63	54.01
J-240	0.00	412.47	258.38	154.09	66.77
J-241	22.37(4.80)	412.40	256.48	155.92	67.57
J-242	0.00	412.22	285.73	126.49	54.81
J-246	0.00	411.90	264.14	147.76	64.03
J-249	0.00	412.13	260.99	151.14	65.49
J-25	0.00	422.49	280.00	142.49	61.74
J-253	0.00	412.13	263.44	148.69	64.43
J-258	0.00	410.58	274.64	135.94	58.91
J-259	0.00	410.46	273.33	137.13	59.42
J-26	0.00	422.49	280.00	142.49	61.74
J-264	0.00	410.58	280.00	130.58	56.58
J-265	44.74(4.80)	410.66	280.00	130.66	56.62
J-266	22.37(4.80)	410.07	262.95	147.12	63.75
J-27	0.00	422.84	280.00	142.84	61.90
J-276	0.00	411.90	275.96	135.94	58.91
J-277	0.00	406.83	274.93	131.90	57.16
J-278	0.00	405.22	280.00	125.22	54.26
J-279	22.37(4.80)	404.80	280.00	124.80	54.08
J-28	0.00	412.84	300.00	112.84	48.90
J-281	0.00	404.96	274.53	130.43	56.52
J-284	22.37(4.80)	400.34	294.97	105.37	45.66
J-285	0.00	405.37	310.00	95.37	41.33
J-286	44.74 (4.80)	405.37	292.33	113.04	48.98
J-287	80.30(4.80)	405.25	292.76	112.49	48.74
J-29	0.00	422.48	280.00	142.48	61.74
J-298	11.42(4.80)	414.79	240.00	174.79	75.74
J-3	0.00	423.07	280.00	143.07	61.99
J-30	0.00	422.48	272.79	149.69	64.86
J-302	0.00	415.67	233.85	181.82	78.79
J-303	0.00	415.67	242.80	172.87	74.91
J-304	0.00	415.67	230.00	185.67	80.46
J-309	0.00	416.42	244.20	172.22	74.63
	0.00		278.41		62.43
J-31	0.00	422.48	2/0.71	144.07	V2.43

J-319	22.37(4.80)	416.49	271.11	145.38	63.00
J-32	0.00	410.27	273.00	137.27	59.49
J-320	11.42(4.80)		270.00		
				145.99	63.26
J-325	0.00	417.31	280.00	137.31	59.50
J-328	0.00	417.76	280.00	137.76	59.70
J-33	0.00	410.27	270.00	140.27	60.79
J-333	0.00	415.76	280.00	135.76	58.83
J-334	44.74(4.80)	416.43	285.09	131.34	56.92
J-338	22.37(4.80)	419.73	288.64	131.09	56.81
J-34	22.37(4.80)				
			280.00	142.09	61.57
J-340	0.00	419.73	281.35	138.38	59.97
J-341	0.00	416.34	283.16	133.18	57.71
J-346	0.00	416.59	275.38	141.21	61.19
J-347	22.37(4.80)		274.79	141.89	61.49
J-348	0.00	416.59	281.34	135.25	58.61
J-349	0.00	416.59	280.00	136.59	59.19
J-35	22.37(4.80)	422.30	280.00	142.30	61.66
		416.59			
J-350	0.00		280.00	136.59	59.19
J-351	22.37(4.80)	417.03	280.00	137.03	59.38
J-353	44.74(4.80)	419.81	287.75	132.06	57.22
J-354	22.37(4.80)	417.35	288.61	128.74	55.79
J-358	44.74(4.80)				53.12
			295.52	122.59	
J-36	0.00	409.01	277.00	132.01	57.21
J-360	22.37(4.80)	418.22	290.00	128.22	55.56
J-361	44.74(4.80)	417.80	290.00	127.80	55.38
J-362	22.37(4.80)		290.00	127.66	55.32
J-364	0.00	414.71	291.03	123.68	53.60
J-367	5.09(4.80)	413.82	291.54	122.28	52.99
J-368	0.00	414.71	294.06	120.65	52.28
J-369	5.09(4.80)		280.00	132.96	57.62
J-37	0.00	409.01	275.00	134.01	58.07
J-376	0.00	414.70	300.79	113.91	49.36
J-377	5.09(4.80)	413.65	308.07	105.58	45.75
J-38	22.37(4.80)		296.07	121.39	52.60
J-381	5.09(4.80)		295.71	118.07	51.16
J-385	0.00	416.76	289.30	127.46	55.23
J-386	0.00	416.24	300.97	115.27	49.95
J-387	0.00	416.24	305.78	110.46	47.87
	0.00	410.19	270.00		
J-388				140.19	60.75
J-389	5.09(4.80)		270.00	140.19	60.75
J-391	0.00	411.33	290.61	120.72	52.31
J-392	0.00	410.19	275.02	135.17	58.57
J-395	5.09(4.80)		300.00	116.24	50.37
J-4	11.42(4.80)		257.30	157.74	68.35
J-40	80.30(4.80)	408.77	279.00	129.77	56.23
J-405	5.09(4.80)	415.05	305.01	110.04	47.68
J-41	0.00	405.25	250.00	155.25	67.27
J-410	0.00	416.17	300.00	116.17	50.34
J-411	0.00	416.17	300.00	116.17	50.34
J-413	0.00	412.11	274.34	137.77	59.70
J-42	44.74(4.80)	416.01	298.30	117.71	51.01
J-422	10.18(4.80)		300.00	111.84	48.46
J-43	0.00	400.80	230.00	170.80	74.01
J-431	0.00	410.70	304.83	105.87	45.88
J-434	5.09(4.80)	410.01	305.07	104.94	45.48
J-435	0.00	409.30	300.59	108.71	47.11
J-437	5.09(4.80)		310.00	98.69	42.76
J-438	0.00	410.01	310.00	100.01	43.34
J-439	0.00	409.30	291.34	117.96	51.11
J-44	0.00	412.34	259.82	152.52	66.09
J-441	0.00	410.34	304.63	105.71	45.81
J-442	0.00	410.34	310.00	100.34	43.48
J-444	5.09(4.80)	409.65	320.00	89.65	38.85
J-445	0.00	409.26	285.39	123.87	53.68
J-447	0.00	409.26	284.02	125.24	54.27
J-448	22.37(4.80)		285.15	123.40	53.47
J-455	22.37(4.80)	408.88	281.89	126.99	55.03
J-456	0.00	407.73	282.32	125.41	54.35
J-458	0.00	411.90	275.18	136.72	59.25
	5.09(4.80)		288.46	119.27	51.68
J-462					
J-465	0.00	407.49	287.11	120.38	52.16

J-469	5.09(4.80)		310.00	96.33	41.74
J-47	80.30(4.80)		300.00	114.50	49.62
J-470	5.09(4.80)		293.43	114.06	49.42
J-471	0.00	407.49	290.00	117.49	50.91
J-476	0.00	407.49	310.00	97.49	42.24
J-479	5.09(4.80)	406.32	310.00	96.32	41.74
J-48	0.00	417.46	293.36	124.10	53.78
J-480	0.00	406.32	306.99	99.33	43.05
J-481	0.00	406.32	320.00	86.32	37.41
J-484	0.00	405.02	308.25	96.77	41.93
J-487	5.09(4.80)	404.06	291.23	112.83	48.89
J-49	0.00	409.80	278.91	130.89	56.72
J-491	5.09(4.80)	399.14	254.57	144.57	62.65
J-5	0.00	416.31	260.00	156.31	67.73
J-502	5.09(4.80)	395.95	250.00	145.95	63.25
J-504	0.00	411.90	273.97	137.93	59.77
J-507	0.00	411.90	270.69	141.21	61.19
J-508	0.00	404.25	255.88	148.37	64.29
J~51	22.37(4.80)	409.80	289.90	119.90	51.95
J-518	5.09(4.80)		270.92	133.32	57.77
J-519	0.00	402.91	230.00	172.91	74.93
J-522	0.00	402.91	251.78	151.13	65.49
J-528	0.00	402.82	250.37	152.45	66.06
J-529	0.00	402.62	250.00	152.62	66.14
J-53	0.00	409.80	288.83	120.97	52.42
J-532	5.09(4.80)		250.00	151.74	65.75
J-533	5.09(4.80)		240.00	162.32	70.34
J-534	0.00	402.32	240.00	162.32	70.34
J-535	0.00	402.31	240.00	162.31	70.33
J-536	5.09(4.80)		233.67	167.65	72.65
J-538	5.09(4.80)		263.02	138.61	60.06
J-54	44.74(4.80)		307.84	104.02	45.08
J-541	5.09(4.80)		239.97	161.95	70.18
J-548	85.39(4.80)		233.10	167.70	72.67
J-549	0.00	401.90	236.88	165.02	71.51
J-550	85.39(4.80)		230.00	171.19	74.18
J-572	11.42(4.80)		300.00	3.98	1.72
J-58	80.30(4.80)		299.00	117.12	50.75
J-6	11.42(4.80)		252.85	163.45	70.83
J-61	44.74(4.80)		288.72	115.45	50.03
J-62	22.37(4.80)		290.00	120.29	52.13
J-63	22.37(4.80)		262.49	147.78	64.04
J-7	0.00	415.04	254.10	160.94	69.74
J-76	22.37(4.80)		320.00	90.63	
		410.63	258.16		39.27 68.21
J-8 J-86	0.00			157.41	
	22.37(4.80)		290.00	116.21	50.36
J-87	22.37(4.80)		288.51 303.82	116.50	50.48
J-88		413.25		109.43	47.42
J-9	0.00	415.57	252.47	163.10	70.68
J-96	5.09(4.80)	411.62	301.83	109.79	47.57
J-99	44.74(4.80)	414.03	296.50	117.53	50.93
Pump-1	0.00	303.94	280.00	23.94	10.37
Pump-2	0.00	303.91	280.00	23.91	10.36
Pump-3	0.00	303.93	280.00	23.93	10.37
T-1		304.00	280.00	24.00	10.40
T-2		423.00	280.00	143.00	61.97
Pump-1	0.00	423.09	280.00	143.09	62.01
Pump-2	0.00	423.11	280.00	143.11	62.01
Pump-3	0.00	423.09	280.00	143.09	62.00

MAXIMUM AND MINIMUM VALUES

PRESSURES

JUNCTION NUMBER	MAXIMUM PRESSURES (psi)	JUNCTION NUMBER	MINIMUM PRESSURES (psi)
J-304	80.46	J-572	1.72
J-302	78.79	Pump-2	10.36
J-186	76.19	Pump-3	10.37
J-298	75.74	Pump-1	10.37
J-519	74.93	J-15	10.38
J-303	74.91	T-1	10.40
J-309	74.63	J-481	37.41
J~550	74.18	J-444	38.85
J-43	74.01	J-76	39.27
J-193	73.41	J-285	41.33
J-548	72.67	J-479	41.74
J-536	72.65	J-469	41.74
J-187	72.16	J-484	41.93
J-549	71.51	J-476	42.24
J-6	70.83	J-437	42.76
J-9	70.68	J-480	43.05
J-533	70.34	J-438	43.34
J-534	70.34	J-129	43.35
J-535	70.33	J-442	43.48
J-541	70.18	J-102	44.73

VELOCITIES

PIPE NUMBER	MAXIMUM VELOCITY (ft/s)	PIPE NUMBER	MINIMUM VELOCITY (ft/s)
P-124	4.66	P-207	0.03
P-206	4.66	P-14	0.05
P-76	3.75	P-25	0.05
P-209	3.17	P-205	0.05
P-213	3.17	P-45	0.05
P-125	3.17	P-172	0.06
P-211	3.17	P-176	0.06
P-210	3.17	P-179	0.06
P-212	3.17	P-189	0.06
P-21	2.99	P-139	0.12
P-22	2.88	P-197	0.12
P-59	2.68	P-103	0.13
P-77	2.43	P-214	0.13
P-126	2.39	P-3	0.13
P-129	2.36	P-52	0.13
P-75	2.29	P-68	0.13
P-164	2.27	P-43	0.13
P-105	2.25	P-221	0.14
P-122	2.24	P-30	0.14
P-168	2.18	P-41	0.16

HL / 1000

PIPE NUMBER	MAXIMUM HL/1000 (ft/ft)	PIPE NUMBER	MINIMUM HL/1000 (ft/ft)
P-124	5.69	P-207	0.00
P-206	5.69	P-205	0.00
P-77	4.96	P-14	0.00
P-76	4.94	P-25	0.00
P-126	4.83	P-45	0.00
P-129	4.69	P-189	0.01
P-59	4.59	P-172	0.01
P-209	4.23	P-176	0.01
P-213	4.23	P-179	0.01

P-211	4.23	P-139	0.02
P-125	4.23	P-197	0.02
P-210	4.22	P-221	0.03
P-212	4.22	P-30	0.03
P-1	4.17	P-214	0.03
P-5	4.15	P-3	0.03
P-6	4.15	P-68	0.03
P-50	4.05	P-103	0.03
P-79	3.94	P-52	0.03
P-55	3.83	P-41	0.04
P-62	3.83	P-43	0.05

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES(-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

NODE NAME		FLOWF (gpm			NODE TITLE	
T-1 T-2		4570 -1740				
CVCTPM	TMET OW		4570	0.5		

NET SYSTEM INFLOW = 4570.95 NET SYSTEM OUTFLOW = -1740.94 NET SYSTEM DEMAND = 2830.01

***** HYDRAULIC ANALYSIS COMPLETED *****

* * * * * * * * * * * * KYPIPE4 * * * * * * * * * University of Kentucky Network Modeling Software

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INPUT DATA FILENAME ----- C:\JENNIF~1\JULYMO~1\PINELA~3.DT2 TABULATED OUTPUT FILENAME ----- C:\JENNIF~1\JULYMO~1\PINELA~3.OT2 POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF~1\JULYMO~1\PINELA~3.RS2

SUMMARY OF ORIGINAL DATA

UNITS SPECIFIED

FLOWRATE ... = gallons/minute HEAD (HGL) ... = feet PRESSURE ... = psig

PIPELINE DATA

| PIPE
NAME | NC
#1 | DE NAMES
#2 | LENGTH
(ft) | DIAMETER
(in) | ROUGHNESS
COEFF. | |
|--------------|----------|----------------|----------------|------------------|---------------------|------|
| | | | | | | |
| P-1 | J-2 | J-8 | 922.80 | 4.00 | 100.0000 | 0.00 |
| P-10 | J-24 | | | | 100.0000 | 0.00 |
| P-100 | J-223 | J-236 | 1045.37 | | 100.0000 | 0.00 |
| P-101 | J-236 | J-227 | 292.39 | | 100.0000 | 0.00 |
| P-102 | J-225 | J-238 | 229.58 | | 100.0000 | 0.00 |
| P-103 | J-238 | J-74 | 416.55 | 2.00 | 100.0000 | 0.00 |
| P-104 | J-76 | J-194 | 346.02 | 3.00 | 100.0000 | 0.00 |
| P-105 | J-238 | J-236 | | 2.00 | 100.0000 | 0.00 |
| P-106 | J-243 | J~245 | 425.00 | 3.00 | 100.0000 | 0.00 |
| P-107 | J-243 | J-246 | 266.40 | 8.00 | 100.0000 | 0.00 |
| P-108 | J-246 | J-223 | 611.43 | 8.00 | 100.0000 | 0.00 |
| P-109 | J-250 | J-246 | 303.93 | 4.00 | 100.0000 | 0.00 |
| P-11 | J-26 | J-53 | 2202.08 | 4.00 | 100.0000 | 0.00 |
| P-110 | J-9 | J-60 | 1306.51 | 4.00 | 100.0000 | 0.00 |
| P-111 | J-224 | T-1 | 1570.91 | 10.00 | 100.0000 | 0.00 |
| P-112 | J-73 | J-243 | 278.07 | 8.00 | 100.0000 | 0.00 |
| P-113 | J-73 | J-254 | 314.69 | 8.00 | 100.0000 | 0.00 |
| P-114 | J-22 | J-255 | 324.13 | 4.00 | 100.0000 | 0.00 |
| P-115 | J-250 | J-254 | 525.82 | 2.00 | 100.0000 | 0.00 |
| P-116 | J-254 | J-256 | 308.64 | 2.00 | 100.0000 | 0.00 |
| P-117 | J-257 | J-11 | 202.54 | 3.00 | 100.0000 | 0.00 |
| P-118 | J-11 | J-250 | 289.94 | 4.00 | 100.0000 | 0.00 |
| P-119 | J-254 | J-14 | 344.91 | 8.00 | 100.0000 | 0.00 |
| P-12 | J-53 | J-13 | 398.13 | 4.00 | 100.0000 | 0.00 |
| P-120 | J-14 | J-22 | 314.35 | 8.00 | 100.0000 | 0.00 |
| P-121 | J-259 | J-163 | 2696.50 | 8.00 | 100.0000 | 0.00 |
| P-122 | J-259 | J-94 | 2597.58 | 8.00 | 100.0000 | 0.00 |
| P-123 | J-126 | J-276 | 107.99 | 8.00 | 100.0000 | 0.00 |
| P-124 | J-276 | J~259 | 82.99 | 8.00 | 100.0000 | 0.00 |
| P-125 | J-277 | J-282 | 862.37 | 3.00 | 100.0000 | 0.00 |
| P-126 | J-276 | J-286 | 1184.00 | 4.00 | 100.0000 | 0.00 |
| P-127 | J-286 | J-277 | 520.08 | 4.00 | 100.0000 | 0.00 |
| P-128 | J-286 | J-292 | 763.70 | 2.00 | 100.0000 | 0.00 |
| P-129 | J-37 | J-293 | 145.88 | 10.00 | 100.0000 | 0.00 |
| P-13 | J-58 | J-60 | 395.65 | 4.00 | 100.0000 | 0.00 |
| P-130 | J-293 | J-294 | 1289.01 | 4.00 | 100.0000 | 0.00 |

| P-131 | J-293 | J-7 | 115.95 | 6.00 | 100.0000 | 0.00 |
|-------|--------------|--------|---------|-------|----------|------|
| P-137 | J-16 | J-87 | 980.47 | 4.00 | 100.0000 | 0.00 |
| P-14 | J-61 | J-62 | 531.22 | 3.00 | 100.0000 | 0.00 |
| P-15 | J-62 | J-24 | 499.96 | 4.00 | 100.0000 | 0.00 |
| P-153 | J-37 | Pump-1 | 9.86 | 10.00 | 100.0000 | 0.00 |
| P-154 | Pump-1 | T-2 | 16.40 | 10.00 | | |
| | | | | | 100.0000 | 0.00 |
| P-16 | J-53 | J-61 | 335.54 | 4.00 | 100.0000 | 0.00 |
| P-17 | J-61 | J-62 | 1127.51 | 4.00 | 100.0000 | 0.00 |
| P-18 | J-24 | J-66 | 242.70 | 8.00 | 100.0000 | 0.00 |
| P-19 | J-66 | J-67 | 224.85 | 4.00 | 100.0000 | 0.00 |
| P-2 | J-9 | J-10 | 392.49 | 4.00 | 100.0000 | 0.00 |
| P-20 | J-66 | J-71 | 1093.94 | 6.00 | 100.0000 | 0.00 |
| P-21 | T-1 | J-73 | 243.89 | 10.00 | 100.0000 | 0.00 |
| P-22 | J-74 | J-75 | 296.00 | 4.00 | 100.0000 | 0.00 |
| P-23 | J-76 | J-77 | 201.36 | 3.00 | 100.0000 | 0.00 |
| P-24 | J-10 | J-58 | 1311.80 | 4.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-25 | J-79 | J-81 | 960.88 | 6.00 | 100.0000 | 0.00 |
| P-26 | J-67 | J-82 | 465.90 | 4.00 | 100.0000 | 0.00 |
| P-27 | J-10 | J-86 | 601.86 | 4.00 | 100.0000 | 0.00 |
| P-28 | J-87 | J-58 | 450.56 | 4.00 | 100.0000 | 0.00 |
| P-29 | J-87 | J-86 | 1422.66 | 4.00 | 100.0000 | 0.00 |
| P-3 | J-11 | J-12 | 300.39 | 4.00 | 100.0000 | 0.00 |
| P-30 | J-86 | J-26 | 1622.77 | 4.00 | 100.0000 | 0.00 |
| P-31 | J-94 | J-96 | 598.76 | 8.00 | 100.0000 | 0.00 |
| P-32 | J-96 | J-16 | 153.34 | 6.00 | 100.0000 | 0.00 |
| P-33 | J-96 | J-26 | 1569.42 | 4.00 | 100.0000 | 0.00 |
| P-34 | J-2 | J-103 | 387.88 | 6.00 | 100.0000 | 0.00 |
| P-35 | J-104 | J-2 | 2506.94 | 8.00 | 100.0000 | 0.00 |
| P-36 | J-112 | J-104 | 1766.78 | 4.00 | 100.0000 | 0.00 |
| P-37 | J-37 | J-126 | 1060.08 | 10.00 | 100.0000 | |
| | | | | | | 0.00 |
| P-38 | J-127 | J-8 | 436.18 | 4.00 | 100.0000 | 0.00 |
| P-39 | J-104 | J-131 | 727.64 | 8.00 | 100.0000 | 0.00 |
| P-4 | J-12 | J-13 | 361.86 | 4.00 | 100.0000 | 0.00 |
| P-40 | J-131 | J-79 | 1465.86 | 6.00 | 100.0000 | 0.00 |
| P-41 | J-136 | J-137 | 55.12 | 4.00 | 100.0000 | 0.00 |
| P-42 | J-136 | J-138 | 352.05 | 2.00 | 100.0000 | 0.00 |
| P-43 | J-81 | J-139 | 47.56 | 4.00 | 100.0000 | 0.00 |
| P-44 | J-103 | J-140 | 71.49 | 6.00 | 100.0000 | 0.00 |
| P-45 | J-139 | J-141 | 279.00 | 3.00 | 100.0000 | 0.00 |
| P-46 | J-142 | J-136 | 615.53 | 4.00 | 100.0000 | 0.00 |
| P-47 | J-143 | J-142 | 444.21 | 1.50 | 100.0000 | 0.00 |
| P-48 | J-81 | J-144 | 313.66 | 4.00 | 100.0000 | 0.00 |
| P-49 | J-144 | J-142 | 338.04 | 4.00 | 100.0000 | 0.00 |
| P-5 | J-12 | J-14 | 757.18 | 2.00 | 100.0000 | 0.00 |
| P-50 | J-145 | J-144 | 397.18 | 1.50 | 100.0000 | 0.00 |
| P-51 | J-139 | J-151 | 1117.41 | 4.00 | 100.0000 | 0.00 |
| P-52 | J-152 | J-151 | 441.85 | 4.00 | 100.0000 | 0.00 |
| P-53 | J-151 | J-153 | 219.72 | 4.00 | 100.0000 | 0.00 |
| P-54 | J-153 | J-154 | 486.07 | 4.00 | 100.0000 | 0.00 |
| P-55 | J-103 | J-127 | 927.62 | 4.00 | 100.0000 | 0.00 |
| | J-156 | | 670.03 | 3.00 | 100.0000 | |
| P-56 | | J-157 | | | | 0.00 |
| P-57 | J-158 | J-156 | 276.85 | 3.00 | 100.0000 | 0.00 |
| P-58 | J-153 | J-159 | 181.87 | 3.00 | 100.0000 | 0.00 |
| P-59 | J-159 | J-156 | 275.33 | 3.00 | 100.0000 | 0.00 |
| P-6 | J-14 | J-15 | 282.69 | 4.00 | 100.0000 | 0.00 |
| P-60 | J-162 | J-159 | 761.94 | 3.00 | 100.0000 | 0.00 |
| P-61 | J-163 | J-167 | 1232.44 | 6.00 | 100.0000 | 0.00 |
| P-62 | J-168 | J-169 | 248.31 | 3.00 | 100.0000 | 0.00 |
| P-63 | J-168 | J-171 | 305.97 | 8.00 | 100.0000 | 0.00 |
| P-64 | J-167 | J-75 | 262.89 | 6.00 | 100.0000 | 0.00 |
| P-65 | J -75 | J-168 | 952.15 | 3.00 | 100.0000 | 0.00 |
| P-66 | J-8 | J-178 | 87.80 | 4.00 | 100.0000 | 0.00 |
| P-67 | J-179 | J-171 | 249.55 | 4.00 | 100.0000 | 0.00 |
| P-68 | J-167 | J-180 | 223.49 | 6.00 | 100.0000 | 0.00 |
| P-69 | J-180 | J-182 | 619.48 | 2.00 | 100.0000 | 0.00 |
| P-7 | J-13 | J-21 | 720.51 | 4.00 | 100.0000 | 0.00 |
| | | | | 8.00 | | |
| P-70 | J-183 | J-168 | 284.23 | | 100.0000 | 0.00 |
| P-71 | J-185 | J-77 | 437.44 | 2.00 | 100.0000 | 0.00 |
| P-72 | J-131 | J-188 | 546.91 | 8.00 | 100.0000 | 0.00 |
| P-73 | J-188 | J-183 | 79.22 | 8.00 | 100.0000 | 0.00 |
| P-74 | J-188 | J-189 | 275.65 | 4.00 | 100.0000 | 0.00 |

| P-75 | J-190 | J-131 | 230.58 | 6.00 | 100.0000 | 0.00 |
|------|-------|-------|---------|------|----------|------|
| P-76 | J-191 | J-76 | 250.42 | 3.00 | 100.0000 | 0.00 |
| P-77 | J-60 | J-193 | 431.95 | 4.00 | 100.0000 | 0.00 |
| P-78 | J-194 | J-190 | 136.49 | 3.00 | 100.0000 | 0.00 |
| P-79 | J-180 | J-200 | 616.94 | 6.00 | 100.0000 | 0.00 |
| P-8 | J-21 | J-22 | 16.45 | 8.00 | 100.0000 | 0.00 |
| P-80 | J-200 | J-190 | 459.31 | 4.00 | 100.0000 | 0.00 |
| P-81 | J-201 | J-204 | 310.48 | 2.00 | 100.0000 | 0.00 |
| P-82 | J-204 | J-194 | 440.69 | 3.00 | 100.0000 | 0.00 |
| P-83 | J-204 | J-200 | 142.67 | 4.00 | 100.0000 | 0.00 |
| P-84 | J-200 | J-206 | 160.57 | 4.00 | 100.0000 | 0.00 |
| P-85 | J-206 | J-207 | 142.65 | 2.00 | 100.0000 | 0.00 |
| P-86 | J-208 | J-206 | 95.70 | 3.00 | 100.0000 | 0.00 |
| P-87 | J-190 | J-211 | 495.51 | 3.00 | 100.0000 | 0.00 |
| P-88 | J-212 | J-193 | 620.15 | 4.00 | 100.0000 | 0.00 |
| P-89 | J-211 | J-214 | 641.43 | 3.00 | 100.0000 | 0.00 |
| P-9 | J-21 | J-24 | 325.36 | 8.00 | 100.0000 | 0.00 |
| P-90 | J-206 | J-217 | 383.12 | 4.00 | 100.0000 | 0.00 |
| P-91 | J-217 | J-218 | 301.45 | 2.00 | 100.0000 | 0.00 |
| P-92 | J-217 | J-211 | 315.10 | 4.00 | 100.0000 | 0.00 |
| P-93 | J-163 | J-223 | 1061.63 | 8.00 | 100.0000 | 0.00 |
| P-94 | J-171 | J-224 | 336.11 | 8.00 | 100.0000 | 0.00 |
| P-95 | J-171 | J-225 | 262.57 | 1.50 | 100.0000 | 0.00 |
| P-96 | J-77 | J-183 | 394.44 | 3.00 | 100.0000 | 0.00 |
| P-97 | J-225 | J-227 | 565.39 | 2.00 | 100.0000 | 0.00 |
| P-98 | J-227 | J-224 | 23.55 | 8.00 | 100.0000 | 0.00 |
| P-99 | J-193 | J-9 | 2151.62 | 4.00 | 100.0000 | 0.00 |
| | | | | | | |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENC
(%) | Ϋ́ |
|--------------|-------------------|------------------|----------------|
| 138.00 | 0.00 | 75.00 | -
(Default) |
| 130.00 | 480.00 | 75.00 | (Default) |
| 110.00 | 750.00 | 75.00 | (Default) |

PUMP SPEED RATIO = 0.980

END NODE DATA

| NODE
NAME | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|--------------|---------------|-----------------------------|-------------------------------|---------------------------|
| J-10 | | 0.80 | 240.00 | |
| J-103 | | 1.76 | 242.81 | |
| J-104 | | 2.60 | 243.59 | |
| J-11 | | 2.60 | 255.87 | |
| J-112 | | 2.60 | 231.46 | |
| J-12 | | 2.60 | 260.00 | |
| J-126 | | 1.10 | 237.01 | |
| J-127 | | 1.76 | 256.70 | |
| J-13 | | 2.60 | 260.28 | |
| J-131 | | 0.00 | 240.00 | |
| J-136 | | 1.04 | 211.35 | |
| J-137 | | 0.00 | 210.00 | |
| J-138 | | 1.04 | 210.00 | |
| J-139 | | 0.00 | 220.00 | |
| J-14 | | 2.60 | 270.00 | |
| J-140 | | 0.00 | 241.31 | |
| J-141 | | 1.04 | 222.11 | |
| J-142 | | 0.00 | 220.00 | |
| J-143 | | 1.04 | 220.00 | |
| J-144 | | 1.04 | 220.00 | |
| J-145 | | 1.04 | 220.00 | |
| | | | | |

| J-15 | 0.00 | 270.00 |
|-------|------|--------|
| | | |
| J-151 | 0.00 | 241.60 |
| J-152 | 1.04 | 240.00 |
| | | |
| J-153 | 1.04 | 245.46 |
| J-154 | 1.04 | 247.51 |
| J-156 | 0.00 | 241.19 |
| | | |
| J-157 | 1.04 | 240.43 |
| J-158 | 1.04 | 236.81 |
| | | |
| J-159 | 1.04 | 242.78 |
| J-16 | 0.00 | 260.00 |
| | 1.04 | 242.60 |
| J-162 | | |
| J-163 | 4.40 | 220.82 |
| J-167 | 5.20 | 243.11 |
| | | |
| J-168 | 2.60 | 260.00 |
| J-169 | 2.60 | 259.29 |
| | 5.20 | 260.00 |
| J-171 | | |
| J-178 | 0.00 | 265.05 |
| J-179 | 0.00 | 260.00 |
| | | |
| J-180 | 0.00 | 242.29 |
| J-182 | 2.60 | 223.99 |
| J-183 | 2.60 | 253.99 |
| | | |
| J-185 | 2.60 | 244.86 |
| J-188 | 5.20 | 251.78 |
| | | |
| J-189 | 2.60 | 250.09 |
| J-190 | 2.60 | 240.00 |
| | 2.60 | |
| J-191 | | 240.00 |
| J-193 | 0.80 | 290.00 |
| J-194 | 2.60 | 240.00 |
| | | |
| J-2 | 3.52 | 252.63 |
| J-200 | 0.00 | 237.85 |
| | | |
| J-201 | 2.60 | 240.81 |
| J-204 | 2.60 | 240.00 |
| J-206 | 2.60 | 236.70 |
| | | |
| J-207 | 2.60 | 236.32 |
| J-208 | 2.60 | 234.45 |
| | 2.60 | 270.00 |
| J-21 | | |
| J-211 | 2.60 | 240.00 |
| J-212 | 0.80 | 289.09 |
| | | |
| J-214 | 0.00 | 238.90 |
| J-217 | 2.60 | 239.78 |
| J-218 | 0.00 | 235.51 |
| | | |
| J-22 | 0.00 | 270.00 |
| J-223 | 2.60 | 242.40 |
| | | 260.00 |
| J-224 | 0.00 | |
| J-225 | 2.60 | 260.00 |
| J-227 | 2.60 | 260.00 |
| | | |
| J-236 | 2.60 | 260.00 |
| J-238 | 2.60 | 257.90 |
| J-24 | 2.60 | 275.23 |
| | | |
| J-243 | 0.00 | 256.07 |
| J-245 | 2.60 | 260.14 |
| | | |
| J-246 | 2.60 | 247.06 |
| J-25 | 0.00 | 273.41 |
| J-250 | 0.00 | 257.84 |
| | | |
| J-254 | 0.00 | 267.76 |
| J-255 | 2.60 | 270.00 |
| J-256 | 0.00 | 270.00 |
| | | |
| J-257 | 2.60 | 249.22 |
| J-259 | 0.00 | 231.54 |
| | | |
| J-26 | 0.80 | 230.00 |
| J-276 | 0.00 | 233.84 |
| | 0.00 | 260.14 |
| J-277 | | |
| J-282 | 1.10 | 255.03 |
| J-286 | 0.00 | 255.73 |
| | | |
| J-292 | 1.10 | 246.95 |
| J-293 | 0.50 | 234.58 |
| | | |
| J-294 | 0.60 | 240.00 |
| J-37 | 0.00 | 237.55 |
| J-53 | 0.00 | 261.14 |
| | | |
| J-58 | 0.80 | 282.94 |
| J-60 | 0.80 | 290.00 |
| | | |

```
J-61
                                         2.60
                                                      270.00
                                                     276.90
        J-62
                                         2.60
                                                     280.00
280.00
        J-66
                                         0.00
        J-67
                                         5.20
         J-7
                                         0.00
                                                      233.00
         J-71
                                                      280.00
263.06
                                         2.60
        J-73
                                         2.60
                                                      252.12
        J-74
                                         2.60
        J-75
                                         2.60
                                                     250.00
                                                      246.16
250.56
        J-76
                                         2.60
        J-77
                                         2.60
        J-79
                                         4.16
                                                      225.80
         J-8
                                                      264.14
220.00
                                         1.76
        J-81
                                         0.00
                                                      283.36
        J-82
                                         2.60
        J-86
                                         0.80
                                                     239.16
                                                      272.47
243.90
        J-87
                                         0.80
         J-9
                                         0.80
        J-94
                                        0.80
                                                      270.00
                                                     264.79
241.00
268.31
        J-96
                                         0.80
      Pump-1
                                         0.00
         T-1
                                         ____
                                                                         402.00
          T-2
                                         ----
                                                     241.00
                                                                        260.00
 OUTPUT OPTION DATA
 OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
           MAXIMUM AND MINIMUM PRESSURES = 20
MAXIMUM AND MINIMUM VELOCITIES = 20
           MAXIMUM AND MINIMUM HEAD LOSS/1000 = 20
 SYSTEM CONFIGURATION
      NUMBER OF PIPES .....(p) = 134
      NUMBER OF END NODES ......(j) = 113
      NUMBER OF PRIMARY LOOPS .....(1) = 20
      NUMBER OF SUPPLY NODES .....(f) =
      NUMBER OF SUPPLY ZONES .....(z) =
CHANGES FOR NEXT SIMULATION (Change Number = 2)
  JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE
RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY =
                                                              0.00000
PIPELINE RESULTS
   STATUS CODE: XX -CLOSED PIPE
                                            CV -CHECK VALVE

        NODE NUMBERS
        FLOWRATE
        HEAD MINOR LINE HL/

        #1
        #2
        LOSS LOSS VELO. 1000

        (gpm)
        (ft)
        (ft)
        (ft/s)
        (ft/ft)

   PIPE
   NAME
                         #1 #2
 P-1 J-2 J-8 8.91 0.13 0.00 0.23 0.14 P-10 J-24 J-25 0.00 0.00 0.00 0.00 0.00 P-100 J-223 J-236 10.69 0.20 0.00 0.27 0.19 P-101 J-236 J-227 -10.38 0.05 0.00 0.27 0.18 P-102 J-225 J-238 5.21 0.34 0.00 0.53 1.50 P-103 J-238 J-74 1.32 0.05 0.00 0.13 0.12 P-104 J-76 J-194 -18.12 0.73 0.00 0.82 2.10 P-105 J-238 J-236 -8.59 3.99 0.00 0.82 2.10 P-106 J-243 J-245 12.48 0.45 0.00 0.57 1.05 P-107 J-243 J-246 241.04 0.57 0.00 1.54 2.13 P-108 J-246 J-223 203.85 0.95 0.00 1.30 1.56 P-109 J-250 J-246 -24.71 0.28 0.00 0.63 0.92 P-11 J-26 J-53 -22.08 1.64 0.00 0.56 0.74 P-110 J-9 J-60 1.16 0.00 0.00 0.00 0.00
     P-10
P-100
     P-101
     P-102
     P-103
     P-104
     P-105
     P-106
     P-107
```

P-108

| P-111 | J-224 | T-1 | -397.49 | 2.85 | 0.00 | 1.62 | 1.81 |
|-------|--------|--------|---------|------|------|------|------|
| P-112 | J-73 | J-243 | 253.52 | 0.65 | 0.00 | 1.62 | 2.34 |
| | | | | | | | |
| P-113 | J-73 | J-254 | 172.09 | 0.36 | 0.00 | 1.10 | 1.14 |
| P-114 | J-22 | J-255 | 12.48 | 0.08 | 0.00 | 0.32 | 0.26 |
| P-115 | J-250 | J-254 | -6.35 | 1.14 | 0.00 | 0.65 | 2.16 |
| P-116 | J-254 | J-256 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-117 | J-257 | J-11 | -12.48 | 0.21 | 0.00 | 0.57 | 1.05 |
| P-118 | J-11 | J-250 | | | | | |
| | | | -31.06 | 0.41 | 0.00 | 0.79 | 1.40 |
| P-119 | J-254 | J-14 | 165.74 | 0.37 | 0.00 | 1.06 | 1.06 |
| P-12 | J-53 | J-13 | -15.92 | 0.16 | 0.00 | 0.41 | 0.41 |
| P-120 | J-14 | J-22 | 147.91 | 0.27 | 0.00 | 0.94 | 0.86 |
| P-121 | J-259 | J-163 | -41.28 | 0.22 | 0.00 | 0.26 | 0.08 |
| P-122 | J-259 | J-94 | 20.16 | 0.06 | 0.00 | 0.13 | 0.02 |
| | | | | | | | |
| P-123 | J-126 | J-276 | -10.56 | 0.00 | 0.00 | 0.07 | 0.01 |
| P-124 | J-276 | J-259 | -21.12 | 0.00 | 0.00 | 0.13 | 0.02 |
| P-125 | J-277 | J-282 | 5.28 | 0.18 | 0.00 | 0.24 | 0.21 |
| P-126 | J-276 | J-286 | 10.56 | 0.22 | 0.00 | 0.27 | 0.19 |
| P-127 | J-286 | J-277 | 5.28 | 0.03 | 0.00 | 0.13 | 0.05 |
| P-128 | J-286 | J-292 | 5.28 | 1.17 | | | |
| | | | | | 0.00 | 0.54 | 1.54 |
| P-129 | J-37 | J-293 | 5.28 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-13 | J-58 | J-60 | 7.94 | 0.04 | 0.00 | 0.20 | 0.11 |
| P-130 | J-293 | J-294 | 2.88 | 0.02 | 0.00 | 0.07 | 0.02 |
| P-131 | J-293 | J-7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-137 | J-16 | J-87 | 16.84 | 0.44 | 0.00 | 0.43 | 0.45 |
| | | | | | | | |
| P-14 | J-61 | J-62 | -7.71 | 0.23 | 0.00 | 0.35 | 0.43 |
| P-15 | J-62 | J-24 | -31.12 | 0.70 | 0.00 | 0.79 | 1.41 |
| P-153 | J-37 | Pump-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-154 | Pump-1 | T-2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-16 | J-53 | J-61 | -6.16 | 0.02 | 0.00 | 0.16 | 0.07 |
| P-17 | J-61 | J-62 | -10.94 | 0.23 | 0.00 | 0.28 | |
| | | | | | | | 0.20 |
| P-18 | J-24 | J-66 | 49.92 | 0.03 | 0.00 | 0.32 | 0.12 |
| P-19 | J-66 | J-67 | 37.44 | 0.45 | 0.00 | 0.96 | 1.98 |
| P-2 | J-9 | J-10 | -7.42 | 0.04 | 0.00 | 0.19 | 0.10 |
| P-20 | J-66 | J-71 | 12.48 | 0.04 | 0.00 | 0.14 | 0.04 |
| P-21 | T-1 | J-73 | 438.09 | 0.53 | 0.00 | 1.79 | 2.17 |
| P-22 | J-74 | J-75 | -11.16 | 0.06 | 0.00 | 0.28 | 0.21 |
| | | | | | | | |
| P-23 | J-76 | J-77 | -6.84 | 0.07 | 0.00 | 0.31 | 0.34 |
| P-24 | J-10 | J-58 | -0.64 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-25 | J-79 | J-81 | 64.90 | 0.73 | 0.00 | 0.74 | 0.76 |
| P-26 | J-67 | J-82 | 12.48 | 0.12 | 0.00 | 0.32 | 0.26 |
| P-27 | J-10 | J-86 | -10.62 | 0.12 | 0.00 | 0.27 | 0.19 |
| P-28 | J-87 | J-58 | | 0.12 | 0.00 | | |
| | | | 12.42 | | | 0.32 | 0.26 |
| P-29 | J-87 | J-86 | 0.59 | 0.00 | 0.00 | 0.01 | 0.00 |
| P-3 | J-11 | J-12 | 6.10 | 0.02 | 0.00 | 0.16 | 0.07 |
| P-30 | J-86 | J-26 | -13.88 | 0.51 | 0.00 | 0.35 | 0.31 |
| P-31 | J-94 | J-96 | 16.32 | 0.01 | 0.00 | 0.10 | 0.01 |
| P-32 | J-96 | J-16 | 16.84 | 0.01 | 0.00 | 0.19 | 0.06 |
| P-33 | J-96 | J-26 | -4.37 | | | | |
| | | | | 0.06 | 0.00 | 0.11 | 0.04 |
| P-34 | J-2 | J-103 | 16.43 | 0.02 | 0.00 | 0.19 | 0.06 |
| P-35 | J-104 | J-2 | 42.24 | 0.21 | 0.00 | 0.27 | 0.08 |
| P-36 | J-112 | J-104 | -12.48 | 0.46 | 0.00 | 0.32 | 0.26 |
| P-37 | J-37 | J-126 | -5.28 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-38 | J-127 | J-8 | -0.46 | 0.00 | 0.00 | 0.01 | 0.00 |
| P-39 | J-104 | J-131 | -67.20 | 0.15 | 0.00 | 0.43 | 0.20 |
| | | | | | | | |
| P-4 | J-12 | J-13 | -1.02 | 0.00 | 0.00 | 0.03 | 0.00 |
| P-40 | J-131 | J-79 | 84.86 | 1.83 | 0.00 | 0.96 | 1.25 |
| P-41 | J-136 | J-137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-42 | J-136 | J-138 | 4.99 | 0.49 | 0.00 | 0.51 | 1.39 |
| P-43 | J-81 | J-139 | 39.94 | 0.11 | 0.00 | 1.02 | 2.23 |
| | | | | | | | |
| P-44 | J-103 | J-140 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-45 | J-139 | J-141 | 4.99 | 0.05 | 0.00 | 0.23 | 0.19 |
| P-46 | J-142 | J-136 | 9.98 | 0.11 | 0.00 | 0.25 | 0.17 |
| P-47 | J-143 | J-142 | -4.99 | 2.50 | 0.00 | 0.91 | 5.63 |
| P-48 | J-81 | J-144 | 24.96 | 0.29 | 0.00 | 0.64 | 0.93 |
| P-49 | J-144 | J-142 | 14.98 | 0.12 | 0.00 | 0.38 | 0.36 |
| | | | | | | | |
| P-5 | J-12 | J-14 | -5.36 | 1.20 | 0.00 | 0.55 | 1.58 |
| P-50 | J-145 | J-144 | -4.99 | 2.24 | 0.00 | 0.91 | 5.63 |
| P-51 | J-139 | J-151 | 34.94 | 1.95 | 0.00 | 0.89 | 1.74 |
| P-52 | J-152 | J-151 | -4.99 | 0.02 | 0.00 | 0.13 | 0.05 |
| P-53 | J-151 | J-153 | 29.95 | 0.29 | 0.00 | 0.76 | 1.31 |
| | | | | | | | |
| P-54 | J-153 | J-154 | 4.99 | 0.02 | 0.00 | 0.13 | 0.05 |

| P-55 | J-103 | J-127 | 7.99 | 0.11 | 0.00 | 0.20 | 0.11 |
|--------------|-------|---------------|------------------|--------------|------|--------------|------|
| P-56 | J-156 | J-157 | 4.99 | 0.13 | 0.00 | 0.23 | 0.19 |
| P-57 | J-158 | J-156 | -4.99 | 0.05 | 0.00 | 0.23 | 0.19 |
| P-58 | J-153 | J-159 | 19.97 | 0.46 | 0.00 | 0.91 | 2.51 |
| P-59 | J-159 | J-156 | 9.98 | 0.19 | 0.00 | 0.45 | 0.69 |
| P-6 | J-14 | J-15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-60 | J-162 | J-159 | -4.99 | 0.15 | 0.00 | 0.23 | 0.19 |
| P-61 | J-163 | J-167 | 118.29 | 2.85 | 0.00 | 1.34 | 2.31 |
| P-62 | J-168 | J-169 | 12.48 | 0.26 | 0.00 | 0.57 | 1.05 |
| P-63 | J-168 | J-171 | -331.98 | 1.18 | 0.00 | 2.12 | 3.85 |
| P-64 | J-167 | J-75 | 9.11 | 0.01 | 0.00 | 0.10 | 0.02 |
| P-65 | J-75 | J-168 | -14.54 | 1.33 | 0.00 | 0.66 | 1.39 |
| P-66 | J-8 | J-178 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-67 | J-179 | J-171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-68 | J-167 | J-180 | 84.22 | 0.28 | 0.00 | 0.96 | 1.23 |
| P-69 | J-180 | J-182 | 12.48 | 4.69 | 0.00 | 1.27 | 7.57 |
| P-7 | J-13 | J-21 | -29.43 | 0.91 | 0.00 | 0.75 | 1.27 |
| P-70 | J-183 | J-168 | -292.48 | 0.87 | 0.00 | | 3.05 |
| P-70
P-71 | J-185 | J-77 | -12.48 | 3.31 | 0.00 | 1.87 | |
| P-71
P-72 | J-131 | J-188 | -210.77 | 0.91 | 0.00 | 1.27
1.35 | 7.57 |
| | | | | | | | 1.66 |
| P-73 | J-188 | J-183 | -248.21 | 0.18 | 0.00 | 1.58 | 2.25 |
| P-74 | J-188 | J-189 | 12.48
-58.70 | 0.07 | 0.00 | 0.32 | 0.26 |
| P-75 | J-190 | J-131
J-76 | -58.70
-12.48 | 0.15
0.26 | 0.00 | 0.67 | 0.63 |
| P-76 | J-191 | | | | 0.00 | 0.57 | 1.05 |
| P-77 | J-60 | J-193 | 5.26 | 0.02 | 0.00 | 0.13 | 0.05 |
| P-78 | J-194 | J-190 | -23.24 | 0.45 | 0.00 | 1.05 | 3.32 |
| P-79 | J-180 | J-200 | 71.74
-135.43 | 0.57 | 0.00 | 0.81 | 0.92 |
| P-8 | J-21 | J-22 | | 0.01 | 0.00 | 0.86 | 0.73 |
| P-80 | J-200 | J-190 | -8.92 | 0.06 | 0.00 | 0.23 | 0.14 |
| P-81 | J-201 | J-204 | -12.48 | 2.35 | 0.00 | 1.27 | 7.57 |
| P-82 | J-204 | J-194 | 7.37 | 0.17 | 0.00 | 0.33 | 0.40 |
| P-83 | J-204 | J-200 | -32,33 | 0.22 | 0.00 | 0.83 | 1.51 |
| P-84 | J-200 | J-206 | 48.34 | 0.51 | 0.00 | 1.23 | 3.18 |
| P-85 | J-206 | J-207 | 12.48 | 1.08 | 0.00 | 1.27 | 7.57 |
| P-86 | J-208 | J-206 | -12.48 | 0.10 | 0.00 | 0.57 | 1.05 |
| P-87 | J-190 | J-211 | 14.06 | 0.65 | 0.00 | 0.64 | 1.31 |
| P-88 | J-212 | J-193 | -3.84 | 0.02 | 0.00 | 0.10 | 0.03 |
| P-89 | J-211 | J-214 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-9 | J-21 | J-24 | 93.52 | 0.12 | 0.00 | 0.60 | 0.37 |
| P-90 | J-206 | J-217 | 10.90 | 0.08 | 0.00 | 0.28 | 0.20 |
| P-91 | J-217 | J-218 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-92 | J-217 | J-211 | -1.58 | 0.00 | 0.00 | 0.04 | 0.01 |
| P-93 | J-163 | J-223 | -180.68 | 1.33 | 0.00 | 1.15 | 1.25 |
| P-94 | J-171 | J-224 | -363.09 | 1.53 | 0.00 | 2.32 | 4.55 |
| P-95 | J-171 | J-225 | 6.15 | 2.17 | 0.00 | 1.12 | 8.28 |
| P-96 | J-77 | J-183 | -31.80 | 2.34 | 0.00 | 1.44 | 5.94 |
| P-97 | J-225 | J-227 | -11.54 | 3.70 | 0.00 | 1.18 | 6.55 |
| P-98 | J-227 | J-224 | -34.40 | 0.00 | 0.00 | 0.22 | 0.06 |
| P-99 | J-193 | J-9 | -2.42 | 0.03 | 0.00 | 0.06 | 0.01 |
| | | | | | | | |

PUMP/LOSS ELEMENT RESULTS

| | | INLET | OUTLET | HEAD | EFFIC- | USEFUL | INCREMTL | TOTAL |
|------|----------|-------|--------|--------|--------|--------|----------|-------|
| NAME | FLOWRATE | HEAD | HEAD | CHANGE | ENCY | POWER | COST | COST |
| | (gpm) | (ft) | (ft) | (ft) | (%) | (Hp) | (\$) | (\$) |
| | | | | | | | | |

Device "Pump-1" is closed

END NODE RESULTS

| NODE
NAME | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | HYDRAUL1
GRADE
(ft) | ELEVATION | PRESSURE
HEAD
(ft) | NODE
PRESSURE
(psi) |
|----------------|---------------|-----------------------------|---------------------------|-----------|--------------------------|---------------------------|
| | | | | | | |
| J-10 | | | 30) 397.1 | | 157.12 | 68.09 |
| J-103 | | | 30) 394.1 | | | 65.56 |
| J-104 | | 12.48(4.8 | | | | 65.33 |
| J-11 | | 12.48(4.8 | | | | 62.27 |
| J-112 | | 12.48(4.8 | | | | 70.38 |
| J-12 | | 12.48(4.8 | | | | 60.47 |
| J-126
J-127 | | 5.28 (4.8
8.45 (4.8 | | | | 69.65
59.50 |
| J-13 | | 12.48(4.8 | | | | 60.35 |
| J-131 | | 0.00 | 394.4 | | | 66.95 |
| J-136 | | | 30) 391.4 | | | 78.02 |
| J-137 | | 0.00 | 391.4 | | | 78.61 |
| J-138 | | 4.99(4.8 | 30) 390.9 | 210.00 | 180.92 | 78.40 |
| J-139 | | 0.00 | 391.8 | 220.00 | 171.82 | 74.45 |
| J-14 | | 12.48(4.8 | 30) 400.7 | 4 270.00 | 130.74 | 56.66 |
| J-140 | | 0.00 | 394.1 | | | 66.21 |
| J-141 | | | 30) 391.7 | | | 73.52 |
| J-142 | | 0.00 | 391.5 | | | 74.32 |
| J-143 | | | 30) 389.0 | | | 73.24 |
| J-144
J-145 | | | 30) 391.6
30) 389.4 | | | 74.37
73.40 |
| J-145 | | 0.00 | 400.7 | | | 56.66 |
| J-151 | | 0.00 | 389.8 | | | 64.25 |
| J-152 | | | 30) 389.8 | | | 64.94 |
| J-153 | | | 30) 389.5 | | | 62.45 |
| J-154 | | 4.99(4.8 | 30) 389.5 | 6 247.51 | 142.05 | 61.56 |
| J-156 | | 0.00 | 388.9 | | 147.75 | 64.02 |
| J-157 | | | 30) 388.8 | | | 64.30 |
| J-158 | | | 30) 388.8 | | | 65.90 |
| J-159 | | | 30) 389.1 | | | 63.42 |
| J-16 | | 0.00 | 397.6 | | | 59.66 |
| J-162
J-163 | | 21,12(4.8 | 30) 388.9
30) 397 9 | | | 63.43
76.77 |
| J-167 | | 24.96(4.8 | | | | 65.87 |
| J-168 | | 12.48(4.8 | | | | 59.12 |
| J-169 | | 12.48(4.8 | | | | 59.32 |
| J-171 | | 24.96(4.8 | | | | 59.64 |
| J-178 | | 0.00 | 394.0 | 0 265.05 | 128.95 | 55.88 |
| J-179 | | 0.00 | 397.6 | | | 59.64 |
| J-180 | | 0.00 | 394.8 | | | 66.11 |
| J-182 | | 12.48(4.8 | | | | 72.01 |
| J-183 | | 12.48(4.8 | | | | 61.35 |
| J-185
J-188 | | 12.48(4.8
24.96(4.8 | | | | 62.86
62.23 |
| J-189 | | 12.48(4.8 | | | | 62.94 |
| J-190 | | 12.48(4.8 | | | | 66.88 |
| J-191 | | 12.48(4.8 | | | | 66.26 |
| J-193 | | 3.84(4.8 | | | | 46.39 |
| J-194 | | 12.48(4.8 | 30) 393.8 | 9 240.00 | 153.89 | 66.69 |
| J-2 | | 16.90(4.8 | 30) 394.1 | .3 252.63 | | 61.32 |
| J-200 | | 0.00 | 394.2 | | | 67.79 |
| J-201 | | 12,48(4.8 | | | | 65.39 |
| J-204 | | 12.48(4.8 | | | | 66.76 |
| J-206
J-207 | | 12.48(4.8
12.48(4.8 | | | | 68.06
67.76 |
| J-207
J-208 | | 12.48(4.8 | | | | 68.99 |
| J-21 | | 12.48(4.8 | | | | 56.53 |
| J-211 | | 12.48(4.8 | | | | 66.60 |
| J-212 | | 3.84(4.8 | | | | 46.78 |
| J-214 | | 0.00 | 393.6 | | | 67.08 |
| J-217 | | 12.48(4.8 | | | | 66.70 |
| J-218 | | 0.00 | 393.6 | | | 68.55 |
| J-22 | | 0.00 | 400.4 | | | 56.54 |
| J-223 | | 12.48(4.8 | | | | 67.99 |
| J-224 | | 0.00 | 399.1 | .5 260.00 | 139.15 | 60.30 |

| J-225 | 12.48(4.80) | | 260.00 | 135.45 | 58.69 |
|---------------|-------------|--------|--------|--------|-------|
| J-227 | 12.48(4.80) | | 260.00 | 139.15 | 60.30 |
| J-236 | 12.48(4.80) | | 260.00 | 139.09 | 60.27 |
| J-238 | 12.48(4.80) | | 257.90 | 137.20 | 59.45 |
| J-24 | 12.48(4.80) | | 275.23 | 125.11 | 54.21 |
| J-243 | 0.00 | 400.82 | 256.07 | 144.75 | 62.72 |
| J-245 | 12.48(4.80) | | 260.14 | 140.23 | 60.77 |
| J-246 | 12.48(4.80) | | 247.06 | 153.19 | 66.38 |
| J-25 | 0.00 | 400.34 | 273.41 | 126.93 | 55.00 |
| J-250 | 0.00 | 399.97 | 257.84 | 142.13 | 61.59 |
| J-254 | 0.00 | 401.11 | 267.76 | 133.35 | 57.79 |
| J -255 | 12.48(4.80) | | 270.00 | 130.39 | 56.50 |
| J-256 | 0.00 | 401.11 | 270.00 | 131.11 | 56.81 |
| J-257 | 12.48(4.80) | | 249.22 | 150.13 | 65.06 |
| J-259 | 0.00 | 397.75 | 231.54 | 166.21 | 72.03 |
| J-26 | 3.84(4.80) | 397.75 | 230.00 | 167.75 | 72.69 |
| J-276 | 0.00 | 397.75 | 233.84 | 163.91 | 71.03 |
| J-277 | 0.00 | 397.50 | 260.14 | 137.36 | 59.52 |
| J-282 | 5.28(4.80) | 397.31 | 255.03 | 142.28 | 61.66 |
| J-286 | 0.00 | 397.53 | 255.73 | 141.80 | 61.45 |
| J-292 | 5.28(4.80) | 396.35 | 246.95 | 149.40 | 64.74 |
| J-293 | 2.40(4.80) | 397.75 | 234.58 | 163.17 | 70.71 |
| J-294 | 2.88(4.80) | 397.73 | 240.00 | 157.73 | 68.35 |
| J-37 | 0.00 | 397.75 | 237.55 | 160.20 | 69.42 |
| J-53 | 0.00 | 399.39 | 261.14 | 138.25 | 59.91 |
| J-58 | 3.84(4.80) | 397.12 | 282.94 | 114.18 | 49.48 |
| J-60 | 3.84(4.80) | 397.08 | 290.00 | 107.08 | 46.40 |
| J-61 | 12.48(4.80) | 399.41 | 270.00 | 129.41 | 56.08 |
| J-62 | 12.48(4.80) | 399.64 | 276.90 | 122.74 | 53.19 |
| J-66 | 0.00 | 400.31 | 280.00 | 120.31 | 52.14 |
| J-67 | 24.96(4.80) | 399.87 | 280.00 | 119.87 | 51.94 |
| J-7 | 0.00 | 397.75 | 233.00 | 164.75 | 71.39 |
| J-71 | 12.48(4.80) | 400.27 | 280.00 | 120.27 | 52.12 |
| J-73 | 12.48(4.80) | 401.47 | 263.06 | 138.41 | 59.98 |
| J-74 | 12.48(4.80) | 395.05 | 252.12 | 142.93 | 61.94 |
| J-75 | 12.48(4.80) | 395.12 | 250.00 | 145.12 | 62.88 |
| J-76 | 12.48(4.80) | 393.16 | 246.16 | 147.00 | 63.70 |
| J-77 | 12.48(4.80) | 393.23 | 250.56 | 142.67 | 61.83 |
| J-79 | 19.97(4.80) | 392.66 | 225.80 | 166.86 | 72.30 |
| J-8 | 8.45(4.80) | 394.00 | 264.14 | 129.86 | 56.27 |
| J-81 | 0.00 | 391.92 | 220.00 | 171.92 | 74.50 |
| J-82 | 12.48(4.80) | 399.75 | 283.36 | 116.39 | 50.43 |
| J-86 | 3.84(4.80) | 397.24 | 239.16 | 158.08 | 68.50 |
| J-87 | 3.84(4.80) | 397.24 | 272.47 | 124.77 | 54.07 |
| J-9 | 3.84(4.80) | 397.08 | 243.90 | 153.18 | 66.38 |
| J-94 | 3.84(4.80) | 397.70 | 270.00 | 127.70 | 55.34 |
| J-96 | 3.84(4.80) | 397.69 | 264.79 | 132.90 | 57.59 |
| Pump-1 | 0.00 | 397.75 | 241.00 | 156.75 | 67.92 |
| T-1 | | 402.00 | 268.31 | 133.69 | 57.93 |
| T-2 | = = = = | 260.00 | 241.00 | 19.00 | 8.23 |
| Pump-1 | 0.00 | 260.00 | 241.00 | 19.00 | 8.23 |
| | | | | | |

MAXIMUM AND MINIMUM VALUES

P R E S S U R E S

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| J-137 | 78.61 | T-2 | 8.23 |
| J-138 | 78.40 | Pump-1 | 8.23 |
| J-136 | 78.02 | J-193 | 46.39 |
| J-163 | 76.77 | J-60 | 46.40 |
| J-81 | 74.50 | J-212 | 46.78 |
| J-139 | 74.45 | J-58 | 49.48 |
| J-144 | 74.37 | J-82 | 50.43 |
| J-142 | 74.32 | J-67 | 51.94 |
| J-141 | 73.52 | J-71 | 52.12 |
| J-145 | 73.40 | J-66 | 52.14 |

| J-143 | 73.24 | J-62 | 53.19 |
|-------|-------|--------------|-------|
| J-26 | 72.69 | J-87 | 54.07 |
| J-79 | 72.30 | J-24 | 54.21 |
| J-259 | 72.03 | J-25 | 55.00 |
| J-182 | 72.01 | J -94 | 55.34 |
| J-7 | 71.39 | J-178 | 55.88 |
| J-276 | 71.03 | J-61 | 56.08 |
| J-293 | 70.71 | J-8 | 56.27 |
| J-112 | 70.38 | J-255 | 56.50 |
| J-126 | 69.65 | J-21 | 56.53 |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-94 | 2.32 | P-38 | 0.01 |
| P-63 | 2.12 | P-29 | 0.01 |
| P-70 | 1.87 | P-24 | 0.02 |
| P-21 | 1.79 | P-129 | 0.02 |
| P-111 | 1.62 | P-37 | 0.02 |
| P-112 | 1.62 | P-4 | 0.03 |
| P-73 | 1.58 | P-110 | 0.03 |
| P-107 | 1.54 | P-92 | 0.04 |
| P-96 | 1.44 | P-99 | 0.06 |
| P-72 | 1.35 | P-123 | 0.07 |
| P-61 | 1.34 | P-130 | 0.07 |
| P-108 | 1.30 | P-88 | 0.10 |
| P-69 | 1.27 | P-64 | 0.10 |
| P-71 | 1.27 | P-31 | 0.10 |
| P-81 | 1.27 | P-33 | 0.11 |
| P-85 | 1.27 | P-52 | 0.13 |
| P-84 | 1.23 | P~54 | 0.13 |
| P-97 | 1.18 | P-122 | 0.13 |
| P-93 | 1.15 | P-77 | 0.13 |
| P-95 | 1.12 | P-103 | 0.13 |
| | | | |

нь / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-95 | 8.28 | P-38 | 0.00 |
| P-69 | 7.57 | P-129 | 0.00 |
| P-71 | 7.57 | P-37 | 0.00 |
| P-81 | 7.57 | P-29 | 0.00 |
| P-85 | 7.57 | P-24 | 0.00 |
| P-97 | 6.55 | P-4 | 0.00 |
| P-96 | 5.94 | P-110 | 0.00 |
| P-47 | 5.63 | P-92 | 0.01 |
| P-50 | 5.63 | P-123 | 0.01 |
| P-94 | 4.55 | P-99 | 0.01 |
| P-63 | 3.85 | P-31 | 0.01 |
| P-105 | 3.79 | P-130 | 0.02 |
| P-78 | 3.32 | P-64 | 0.02 |
| P-84 | 3.18 | P-122 | 0.02 |
| P-70 | 3.05 | P-124 | 0.02 |
| P-58 | 2.51 | P-88 | 0.03 |
| P-112 | 2.34 | P-20 | 0.04 |
| P-61 | 2.31 | P-33 | 0.04 |
| P-73 | 2.25 | P-52 | 0.05 |
| P-43 | 2.23 | P-54 | 0.05 |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| | NODI
NAMI | | FLOWRA
(gpm) | | NODE
TITLE | |
|-----|----------------------------|---------|-----------------|--------------------------|---------------|--|
| | T-1
T-2 | | 835. | 58 | | |
| NET | SYSTEM
SYSTEM
SYSTEM | OUTFLOW | =
=
= | 835.58
0.00
835.58 | | |

***** HYDRAULIC ANALYSIS COMPLETED *****

Version 1.200 - 01/26/2000

INPUT DATA FILENAME ------ C:\JENNIF~1\JULYMO~1\PINELA~4.DT2
TABULATED OUTPUT FILENAME ----- C:\JENNIF~1\JULYMO~1\PINELA~4.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF~1\JULYMO~1\PINELA~4.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet
PRESSURE = psig

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE | NC | DE NAMES | LENGTH | DIAMETER | ROUGHNESS | MINOR |
|-------|---------------|----------|---------|----------|-----------|-------------|
| NAME | #1 | #2 | (ft) | (in) | COEFF. | LOSS COEFF. |
| P-1 | J-2 |
J-8 | 922.80 | 4.00 | 100.0000 | 0.00 |
| P-10 | J-24 | | | | 100.0000 | |
| P-100 | J-223 | | | | 100.0000 | |
| P-101 | J-236 | | 292.39 | | 100.0000 | 0.00 |
| P-102 | J-225 | J-238 | 229.58 | | 100.0000 | 0.00 |
| P-103 | J-238 | J-74 | | | 100.0000 | 0.00 |
| P-104 | J-76 | | | | 100.0000 | = ' |
| P-105 | J-238 | J-236 | | | 100.0000 | |
| P-106 | J-243 | J-245 | | | 100.0000 | |
| P-107 | J-243 | J-246 | | | 100.0000 | 0.00 |
| P-108 | J-246 | | | | 100.0000 | 0.00 |
| P-109 | J-250 | | | | 100.0000 | |
| P-11 | J-26 | | | | 100.0000 | |
| P-110 | J-9 | | 1306.51 | | 100.0000 | |
| P-111 | J-224 | | 1570.91 | | 100.0000 | 0.00 |
| P-112 | J-73 | | 278.07 | | 100.0000 | 0.00 |
| P-113 | J-73 | J-254 | 314.69 | | 100.0000 | 0.00 |
| P-114 | J-22 | J-255 | 324.13 | | 100.0000 | 0.00 |
| P-115 | J-250 | | | | 100.0000 | 0.00 |
| P-116 | J-254 | J-256 | 308.64 | 2.00 | 100.0000 | 0.00 |
| P-117 | J-257 | J-11 | 202.54 | 3.00 | 100.0000 | 0.00 |
| P-118 | J-11 | J-250 | 289.94 | 4.00 | 100.0000 | 0.00 |
| P-119 | J-254 | J-14 | 344.91 | 8.00 | 100.0000 | 0.00 |
| P-12 | J-53 | | | | 100.0000 | |
| P-120 | J-14 | J-22 | 314.35 | 8.00 | 100.0000 | 0.00 |
| P-121 | J-259 | J-163 | 2696.50 | 8.00 | 100.0000 | 0.00 |
| P-122 | J-259 | J-94 | 2597.58 | 8.00 | 100.0000 | 0.00 |
| P-123 | J-126 | J-276 | 107.99 | 8.00 | 100.0000 | 0.00 |
| P-124 | J -276 | J-259 | 82.99 | 8.00 | 100.0000 | 0.00 |
| P-125 | J-277 | J-282 | 862.37 | 3.00 | 100.0000 | 0.00 |
| P-126 | J-276 | J-286 | 1184.00 | 4.00 | 100.0000 | 0.00 |
| P-127 | J-286 | J-277 | 520.08 | 4.00 | 100.0000 | 0.00 |
| P-128 | J-286 | J-292 | 763.70 | 2.00 | 100.0000 | 0.00 |
| P-129 | J-37 | J-293 | 145.88 | 10.00 | 100.0000 | 0.00 |
| P-13 | J-58 | J-60 | 395.65 | | 100.0000 | 0.00 |
| P-130 | J-293 | J-294 | 1289.01 | 4.00 | 100.0000 | 0.00 |
| P-131 | J-293 | J-7 | 115.95 | 6.00 | 100.0000 | 0.00 |

| P-137 | J-16 | J-87 | 980.47 | 4.00 | 100.0000 | 0.00 |
|--------------|--------|-------------|---------|-------|----------|------|
| P-14 | J-61 | J-62 | 531.22 | 3.00 | 100.0000 | 0.00 |
| P-15 | J-62 | J-24 | 499.96 | 4.00 | 100.0000 | 0.00 |
| P-153 | J-37 | Pump-1 | 9.86 | 10.00 | 100.0000 | 0.00 |
| P-154 | Pump-1 | T-2 | 16.40 | 10.00 | 100.0000 | 0.00 |
| P-16 | J-53 | J-61 | 335.54 | 4.00 | 100.0000 | 0.00 |
| P-17 | J-61 | J-62 | 1127.51 | 4.00 | 100.0000 | 0.00 |
| P-18 | J-24 | J-66 | 242.70 | 8.00 | 100.0000 | 0.00 |
| P-19 | J-66 | J-67 | 224.85 | 4.00 | 100.0000 | 0.00 |
| P-2 | J-9 | J-10 | 392.49 | 4.00 | 100.0000 | 0.00 |
| P-20 | J-66 | J-71 | 1093.94 | 6.00 | 100.0000 | 0.00 |
| P-21 | T-1 | J-73 | 243.89 | 10.00 | 100.0000 | 0.00 |
| P-22 | J-74 | J-75 | 296.00 | 4.00 | 100.0000 | 0.00 |
| P-23 | J-76 | J-77 | 201.36 | 3.00 | 100.0000 | 0.00 |
| P-24 | J-10 | J-58 | 1311.80 | 4.00 | 100.0000 | 0.00 |
| P-25 | J-79 | J-81 | 960.88 | 6.00 | 100.0000 | 0.00 |
| P-25
P-26 | J-67 | J-81 | 465.90 | 4.00 | 100.0000 | 0.00 |
| | | | 601.86 | 4.00 | 100.0000 | 0.00 |
| P-27 | J-10 | J-86 | | | | |
| P-28 | J-87 | J-58 | 450.56 | 4.00 | 100.0000 | 0.00 |
| P-29 | J-87 | J-86 | 1422.66 | 4.00 | 100.0000 | 0.00 |
| P-3 | J-11 | J-12 | 300.39 | 4.00 | 100.0000 | 0.00 |
| P-30 | J-86 | J-26 | 1622.77 | 4.00 | 100.0000 | 0.00 |
| P-31 | J-94 | J-96 | 598.76 | 8.00 | 100.0000 | 0.00 |
| P-32 | J-96 | J-16 | 153.34 | 6.00 | 100.0000 | 0.00 |
| P-33 | J-96 | J-26 | 1569.42 | 4.00 | 100.0000 | 0.00 |
| P-34 | J-2 | J-103 | 387.88 | 6.00 | 100.0000 | 0.00 |
| P-35 | J-104 | J -2 | 2506.94 | 8.00 | 100.0000 | 0.00 |
| P-36 | J-112 | J-104 | 1766.78 | 4.00 | 100.0000 | 0.00 |
| P-37 | J-37 | J-126 | 1060.08 | 10.00 | 100.0000 | 0.00 |
| P-38 | J-127 | J-8 | 436.18 | 4.00 | 100.0000 | 0.00 |
| P-39 | J-104 | J-131 | 727.64 | 8.00 | 100.0000 | 0.00 |
| P-4 | J-12 | J-13 | 361.86 | 4.00 | 100.0000 | 0.00 |
| P-40 | J-131 | J-79 | 1465.86 | 6.00 | 100.0000 | 0.00 |
| P-41 | J-136 | J-137 | 55.12 | 4.00 | 100.0000 | 0.00 |
| P-42 | J-136 | J-138 | 352.05 | 2.00 | 100.0000 | 0.00 |
| P-43 | J-81 | J-139 | 47.56 | 4.00 | 100.0000 | 0.00 |
| P-44 | J-103 | J-140 | 71.49 | 6.00 | 100.0000 | 0.00 |
| P-45 | J-139 | J-141 | 279.00 | 3.00 | 100.0000 | 0.00 |
| P-46 | J-142 | J-136 | 615.53 | 4.00 | 100.0000 | 0.00 |
| P-47 | J-143 | J-142 | 444.21 | 2.00 | 100.0000 | 0.00 |
| P-48 | J-81 | J-144 | 313.66 | 4.00 | 100.0000 | 0.00 |
| P-49 | J-144 | J-142 | 338.04 | 4.00 | 100.0000 | 0.00 |
| P-5 | J-12 | J-14 | 757.18 | 2.00 | 100.0000 | 0.00 |
| P-50 | J-145 | J-144 | 397.18 | 2.00 | 100.0000 | 0.00 |
| P-51 | J-139 | J-151 | 1117.41 | 4.00 | 100.0000 | 0.00 |
| P-52 | J-152 | J-151 | 441.85 | 4.00 | 100.0000 | 0.00 |
| P-53 | J-151 | J-153 | 219.72 | 4.00 | 100.0000 | 0.00 |
| P-54 | J-153 | J-154 | 486.07 | 4.00 | 100.0000 | 0.00 |
| P-55 | J-103 | J-127 | 927.62 | 4.00 | 100.0000 | 0.00 |
| P-56 | J-156 | J-157 | 670.03 | 3.00 | 100.0000 | 0.00 |
| P-57 | J-158 | J-156 | 276.85 | 3.00 | 100.0000 | 0.00 |
| P-58 | J-153 | J-159 | 181.87 | 3.00 | 100.0000 | 0.00 |
| P-59 | J-159 | J-156 | 275.33 | 3.00 | 100.0000 | 0.00 |
| P-6 | J-14 | J-15 | 282.69 | 4.00 | 100.0000 | 0.00 |
| P-60 | J-162 | J-159 | 761.94 | 3.00 | 100.0000 | 0.00 |
| P-61 | J-163 | J-167 | 1232.44 | 6.00 | 100.0000 | 0.00 |
| P-62 | J-168 | J-169 | 248.31 | 3.00 | 100.0000 | 0.00 |
| P-63 | J-168 | J-171 | 305.97 | 10.00 | 100.0000 | 0.00 |
| P-64 | J-167 | J-75 | 262.89 | 6.00 | 100.0000 | 0.00 |
| P-65 | J-75 | J-168 | 952.15 | 3.00 | 100.0000 | 0.00 |
| | | | 87.80 | 4.00 | 100.0000 | 0.00 |
| P-66 | J-8 | J-178 | 249.55 | 4.00 | 100.0000 | 0.00 |
| P-67
P-68 | J-179 | J-171 | | | 100.0000 | 0.00 |
| | J-167 | J-180 | 223.49 | 6.00 | | |
| P-69 | J-180 | J-182 | 619.48 | 3.00 | 100.0000 | 0.00 |
| P-7 | J-13 | J-21 | 720.51 | 4.00 | 100.0000 | 0.00 |
| P-70 | J-183 | J-168 | 284.23 | 8.00 | 100.0000 | 0.00 |
| P-71 | J-185 | J-77 | 437.44 | 3.00 | 100.0000 | 0.00 |
| P-72 | J-131 | J-188 | 546.91 | 8.00 | 100.0000 | 0.00 |
| P-73 | J-188 | J-183 | 79.22 | 8.00 | 100.0000 | 0.00 |
| P-74 | J-188 | J-189 | 275.65 | 4.00 | 100.0000 | 0.00 |
| P-75 | J-190 | J-131 | 230.58 | 6.00 | 100.0000 | 0.00 |

| P-76 | J-191 | J-76 | 250.42 | 3.00 | 100.0000 | 0.00 |
|------|-------|---------------|---------|-------|----------|------|
| P-77 | J-60 | J-193 | 431.95 | 4.00 | 100.0000 | 0.00 |
| P-78 | J-194 | J-190 | 136.49 | 3.00 | 100.0000 | 0.00 |
| P-79 | J-180 | J-200 | 616.94 | 6.00 | 100.0000 | 0.00 |
| P-8 | J-21 | J-22 | 16.45 | 8.00 | 100.0000 | 0.00 |
| P-80 | J-200 | J-190 | 459.31 | 4.00 | 100.0000 | 0.00 |
| P-81 | J-201 | J-204 | 310.48 | 3.00 | 100.0000 | 0.00 |
| P-82 | J-204 | J-194 | 440.69 | 3.00 | 100.0000 | 0.00 |
| P-83 | J-204 | J-200 | 142.67 | 4.00 | 100.0000 | 0.00 |
| P-84 | J-200 | J-206 | 160.57 | 4.00 | 100.0000 | 0.00 |
| P-85 | J-206 | J-207 | 142.65 | 3.00 | 100.0000 | 0.00 |
| P-86 | J-208 | J-206 | 95.70 | 3.00 | 100.0000 | 0.00 |
| P-87 | J-190 | J-211 | 495.51 | 3.00 | 100.0000 | 0.00 |
| P-88 | J-212 | J-193 | 620.15 | 4.00 | 100.0000 | 0.00 |
| P-89 | J-211 | J-214 | 641.43 | 3.00 | 100.0000 | 0.00 |
| P-9 | J-21 | J-24 | 325.36 | 8.00 | 100.0000 | 0.00 |
| P-90 | J-206 | J-217 | 383.12 | 4.00 | 100.0000 | 0.00 |
| P-91 | J-217 | J-218 | 301.45 | 2.00 | 100.0000 | 0.00 |
| P-92 | J-217 | J-211 | 315.10 | 4.00 | 100.0000 | 0.00 |
| P-93 | J-163 | J-223 | 1061.63 | 8.00 | 100.0000 | 0.00 |
| P-94 | J-171 | J-224 | 336.11 | 10.00 | 100.0000 | 0.00 |
| P-95 | J-171 | J-225 | 262.57 | 2.00 | 100.0000 | 0.00 |
| P-96 | J-77 | J-18 3 | 394.44 | 4.00 | 100.0000 | 0.00 |
| P-97 | J-225 | J-227 | 565.39 | 4.00 | 100.0000 | 0.00 |
| P-98 | J-227 | J-224 | 23.55 | 8.00 | 100.0000 | 0.00 |
| P-99 | J-193 | J-9 | 2151.62 | 4.00 | 100.0000 | 0.00 |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| H EA D
(ft) | FLOWRATE (gpm) | EFFICIENCY (%) |
|-----------------------|----------------|------------------------------------|
| 138.00 | 0.00 | 75.00 (Default)
75.00 (Default) |
| 110.00 | 750.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.980

END NODE DATA

| NODE
NAME | NODE
TITLE | EXTERNAL
(gpm) | JUNCTION ELEVATION (ft) | EXTERNAL
GRADE
(ft) |
|--------------|---------------|-------------------|-------------------------|---------------------------|
| J-10 | | 0.80 | 240.00 | |
| J-103 | | 1.76 | 242.81 | |
| J-104 | | 2.60 | 243.59 | |
| J-11 | | 2.60 | 255.87 | |
| J-112 | | 2.60 | 231.46 | |
| J-12 | | 2.60 | 260.00 | |
| J-126 | | 1.10 | 237.01 | |
| J-127 | | 1.76 | 256.70 | |
| J-13 | | 2.60 | 260.28 | |
| J-131 | | 0.00 | 240.00 | |
| J-136 | | 1.04 | 211.35 | |
| J-137 | | 0.00 | 210.00 | |
| J-138 | | 1.04 | 210.00 | |
| J-139 | | 0.00 | 220.00 | |
| J-14 | | 2.60 | 270.00 | |
| J-140 | | 16.88 | 241.31 | |
| J-141 | | 1.04 | 222.11 | |
| J-142 | | 0.00 | 220.00 | |
| J-143 | | 1.04 | 220.00 | |
| J-144 | | 1.04 | 220.00 | |
| J-145 | | 1.04 | 220.00 | |
| J-15 | | 0.00 | 270.00 | |
| | | | | |

| J-151 | 0.00 | 241.60 |
|-------|-------|--------|
| J-152 | 1.04 | 240.00 |
| | | 245.46 |
| J-153 | 1.04 | |
| J-154 | 1.04 | 247.51 |
| J-156 | 0.00 | 241.19 |
| | | |
| J-157 | 1.04 | 240.43 |
| J-158 | 1.04 | 236.81 |
| | | |
| J-159 | 1.04 | 242.78 |
| J-16 | 16.88 | 260.00 |
| J-162 | 1.04 | 242.60 |
| | | |
| J-163 | 4.40 | 220.82 |
| J-167 | 5.20 | 243.11 |
| | | |
| J-168 | 2.60 | 260.00 |
| J-169 | 2.60 | 259.29 |
| J-171 | 5.20 | 260.00 |
| | | |
| J-178 | 0.00 | 265.05 |
| J-179 | 0.00 | 260.00 |
| | | |
| J-180 | 0.00 | 242.29 |
| J-182 | 2.60 | 223.99 |
| J-183 | 2.60 | 253.99 |
| | | |
| J-185 | 2.60 | 244.86 |
| J-188 | 5.20 | 251.78 |
| | | |
| J-189 | 2.60 | 250.09 |
| J-190 | 2.60 | 240.00 |
| J-191 | 2.60 | 240.00 |
| | | |
| J-193 | 0.80 | 290.00 |
| J-194 | 2.60 | 240.00 |
| | | |
| J-2 | 3.52 | 252.63 |
| J-200 | 0.00 | 237.85 |
| | | |
| J-201 | 2.60 | 240.81 |
| J-204 | 2.60 | 240.00 |
| J-206 | 2.60 | 236.70 |
| | | |
| J-207 | 2.60 | 236.32 |
| J-208 | 2.60 | 234.45 |
| J-21 | 2.60 | 270.00 |
| | | |
| J-211 | 2.60 | 240.00 |
| J-212 | 0.80 | 289.09 |
| | | |
| J-214 | 0.00 | 238.90 |
| J-217 | 2.60 | 239.78 |
| J-218 | 0.00 | 235.51 |
| | | |
| J-22 | 0.00 | 270.00 |
| J-223 | 2.60 | 242.40 |
| | | |
| J-224 | 0.00 | 260.00 |
| J-225 | 2.60 | 260.00 |
| J-227 | 2.60 | 260.00 |
| | | |
| J-236 | 2.60 | 260.00 |
| J-238 | 2.60 | 257.90 |
| J-24 | 2.60 | 275.23 |
| | | |
| J-243 | 0.00 | 256.07 |
| J-245 | 2.60 | 260.14 |
| | | |
| J-246 | 2.60 | 247.06 |
| J-25 | 0.00 | 273.41 |
| J-250 | 0.00 | 257.84 |
| | | |
| J-254 | 0.00 | 267.76 |
| J-255 | 2.60 | 270.00 |
| J-256 | 0.00 | 270.00 |
| | | |
| J-257 | 2.60 | 249.22 |
| J-259 | 0.00 | 231.54 |
| | | |
| J-26 | 0.80 | 230.00 |
| J-276 | 0.00 | 233.84 |
| | 0.00 | 260.14 |
| J-277 | | |
| J-282 | 1.10 | 255.03 |
| J-286 | 0.00 | 255.73 |
| | | |
| J-292 | 1.10 | 246.95 |
| J-293 | 0.50 | 234.58 |
| | | |
| J-294 | 0.60 | 240.00 |
| J-37 | 0.00 | 237.55 |
| J-53 | 0.00 | 261.14 |
| | | |
| J-58 | 0.80 | 282.94 |
| J-60 | 0.80 | 290.00 |
| | | |
| J-61 | 2.60 | 270.00 |
| | | |

```
J-62
                           2.60
                                      276.90
 J-66
                          0.00
                                     280.00
 J-67
                                      280.00
                          5.20
  J-7
                          16.88
                                      233.00
 J-71
                          19.48
                                      280.00
 J-73
                          2.60
                                      263.06
                           2.60
 J-74
                                      252.12
 J-75
                           2.60
                                     250.00
 J-76
                          2.60
                                     246.16
 J-77
                           2.60
                                     250.56
 J-79
                           4.16
                                      225.80
  J-8
                           1.76
                                     264.14
 J-81
                           0.00
                                     220.00
 J-82
                           2.60
                                      283.36
 J-86
                           0.80
                                     239.16
 J-87
                           0.80
                                     272.47
  J-9
                           0.80
                                     243.90
 J-94
                           0.80
                                      270.00
 J-96
                                     264.79
                           0.80
Pump-1
                           0.00
                                     241.00
  T-1
                                      268.31
                                                     402.00
                           ----
  T-2
                                      241.00
                                                     260.00
```

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

MAXIMUM AND MINIMUM PRESSURES = 20
MAXIMUM AND MINIMUM VELOCITIES = 20
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 20

SYSTEM CONFIGURATION

| NUMBER | of | PIPES(p) | = | 134 |
|--------|----|------------------|---|-----|
| NUMBER | OF | END NODES(j) | = | 113 |
| NUMBER | OF | PRIMARY LOOPS(1) | = | 20 |
| NUMBER | OF | SUPPLY NODES(f) | = | 2 |
| NUMBER | OF | SUPPLY ZONES(z) | = | 1 |
| | | | | |

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

RESULTS OBTAINED AFTER 5 TRIALS: ACCURACY = 0.00009

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE
NAME | NODE N
#1 | UMBERS
#2 | FLOWRATE | HEAD
LOSS
(ft) | MINOR
LOSS
(ft) | LINE
VELO.
(ft/s) | HL/
1000
(ft/ft) |
|--------------|--------------|--------------|----------|----------------------|-----------------------|-------------------------|------------------------|
| P-1 | J-2 | J-8 | 17.75 | 0.46 | 0.00 | 0.45 | 0.50 |
| P-10 | J-24 | J-25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-100 | J-223 | J-236 | 9.20 | 0.15 | 0.00 | 0.23 | 0.15 |
| P-101 | J-236 | J-227 | -9.76 | 0.05 | 0.00 | 0.25 | 0.16 |
| P-102 | J-225 | J-238 | 44.52 | 0.63 | 0.00 | 1.14 | 2.73 |
| P-103 | J-238 | J-74 | 38.51 | 0.87 | 0.00 | 0.98 | 2.09 |
| P-104 | J-76 | J-194 | -1.26 | 0.01 | 0.00 | 0.06 | 0.02 |
| P-105 | J-238 | J-236 | -6.48 | 2.37 | 0.00 | 0.66 | 2.25 |
| P-106 | J-243 | J-245 | 12.48 | 0.45 | 0.00 | 0.57 | 1.05 |
| P-107 | J-243 | J-246 | 317.20 | 0.94 | 0.00 | 2.02 | 3.54 |
| P-108 | J-246 | J-223 | 271.48 | 1.62 | 0.00 | 1.73 | 2.65 |
| P-109 | J-250 | J-246 | -33.24 | 0.48 | 0.00 | 0.85 | 1.59 |
| P-11 | J-26 | J-53 | -39.70 | 4.86 | 0.00 | 1.01 | 2.21 |

| P-110 | J-9 | J-60 | 1.24 | 0.00 | 0.00 | 0.03 | 0.00 |
|----------------|--------|--------|---------|------|------|------|------|
| P-111 | J-224 | T-1 | -519.92 | 4.69 | 0.00 | 2.12 | 2.98 |
| P-112 | J-73 | J-243 | 329.68 | 1.06 | 0.00 | 2.10 | 3.80 |
| | J-73 | J-254 | 262.20 | 0.78 | 0.00 | 1.67 | 2.49 |
| P-113 | | | | | | | |
| P-114 | J-22 | J-255 | 12.48 | 0.08 | 0.00 | 0.32 | 0.26 |
| P-115 | J-250 | J-254 | -7.89 | 1.70 | 0.00 | 0.81 | 3.23 |
| P-116 | J-254 | J-256 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-117 | J-257 | J-11 | -12.48 | 0.21 | 0.00 | 0.57 | 1.05 |
| P-118 | J-11 | J-250 | -41.13 | 0.68 | 0.00 | 1.05 | 2.36 |
| P-119 | J-254 | J-14 | 254.31 | 0.81 | 0.00 | 1.62 | 2.35 |
| P-12 | J-53 | J-13 | -30.08 | 0.53 | 0.00 | 0.77 | 1.32 |
| P-120 | J-14 | J-22 | 235.36 | 0.64 | 0.00 | 1.50 | 2.04 |
| P-121 | J-259 | J-163 | -150.30 | 2.39 | 0.00 | 0.96 | 0.89 |
| P-122 | J-259 | J-94 | 83.56 | 0.78 | 0.00 | 0.53 | 0.30 |
| P-123 | J-126 | J-276 | -56.18 | 0.02 | 0.00 | 0.36 | 0.14 |
| P-124 | J-276 | J-259 | -66.74 | 0.02 | 0.00 | 0.43 | 0.20 |
| | J-277 | J-282 | 5.28 | 0.18 | | 0.24 | |
| P-125 | | | | | 0.00 | | 0.21 |
| P-126 | J-276 | J-286 | 10.56 | 0.22 | 0.00 | 0.27 | 0.19 |
| P-127 | J-286 | J-277 | 5.28 | 0.03 | 0.00 | 0.13 | 0.05 |
| P-128 | J-286 | J-292 | 5.28 | 1.17 | 0.00 | 0.54 | 1.54 |
| P-129 | J-37 | J-293 | 86.30 | 0.02 | 0.00 | 0.35 | 0.11 |
| P-13 | J-58 | J-60 | 7.84 | 0.04 | 0.00 | 0.20 | 0.11 |
| P-130 | J-293 | J-294 | 2.88 | 0.02 | 0.00 | 0.07 | 0.02 |
| P-131 | J-293 | J-7 | 81.02 | 0.13 | 0.00 | 0.92 | 1.15 |
| P-137 | J-16 | J-87 | 10.76 | 0.19 | 0.00 | 0.27 | 0.20 |
| P-14 | J-61 | J-62 | -9.14 | 0.31 | 0.00 | 0.41 | 0.59 |
| P-15 | J-62 | J-24 | -34.58 | 0.85 | 0.00 | 0.88 | 1.71 |
| P-153 | J-37 | Pump-1 | -35.40 | 0.00 | 0.00 | 0.14 | 0.02 |
| P-153
P-154 | Pump-1 | T-2 | -35.40 | 0.00 | 0.00 | 0.14 | 0.02 |
| | • | | | | | | |
| P-16 | J-53 | J-61 | -9.62 | 0.05 | 0.00 | 0.25 | 0.16 |
| P-17 | J-61 | J-62 | -12.97 | 0.31 | 0.00 | 0.33 | 0.28 |
| P-18 | J-24 | J-66 | 130.94 | 0.17 | 0.00 | 0.84 | 0.69 |
| P-19 | J-66 | J-67 | 37.44 | 0.45 | 0.00 | 0.96 | 1.98 |
| P-2 | J-9 | J-10 | -7.52 | 0.04 | 0.00 | 0.19 | 0.10 |
| P-20 | J-66 | J-71 | 93.50 | 1.64 | 0.00 | 1.06 | 1.50 |
| P-21 | T-1 | J-73 | 604.36 | 0.96 | 0.00 | 2.47 | 3.94 |
| P-22 | J-74 | J-75 | 26.03 | 0.30 | 0.00 | 0.66 | 1.01 |
| P-23 | J-76 | J-77 | -23.70 | 0.69 | 0.00 | 1.08 | 3.44 |
| P-24 | J-10 | J-58 | 0.55 | 0.00 | 0.00 | 0.01 | 0.00 |
| P-25 | J-79 | J-81 | 64.90 | 0.73 | 0.00 | 0.74 | 0.76 |
| P-26 | J-67 | J-82 | 12.48 | 0.12 | 0.00 | 0.32 | 0.26 |
| | | | | | | 0.32 | |
| P-27 | J-10 | J-86 | -11.90 | 0.14 | 0.00 | | 0.24 |
| P-28 | J-87 | J-58 | 11.14 | 0.09 | 0.00 | 0.28 | 0.21 |
| P-29 | J-87 | J-86 | -4.21 | 0.05 | 0.00 | 0.11 | 0.03 |
| P-3 | J-11 | J-12 | 16.17 | 0.13 | 0.00 | 0.41 | 0.42 |
| P-30 | J-86 | J-26 | -19.96 | 1.00 | 0.00 | 0.51 | 0.62 |
| P-31 | J-94 | J-96 | 79.72 | 0.16 | 0.00 | 0.51 | 0.27 |
| P-32 | J-96 | J-16 | 91.79 | 0.22 | 0.00 | 1.04 | 1.45 |
| P-33 | J-96 | J-26 | -15.90 | 0.64 | 0.00 | 0.41 | 0.41 |
| P-34 | J-2 | J-103 | 88.62 | 0.53 | 0.00 | 1.01 | 1.36 |
| P-35 | J-104 | J-2 | 123.26 | 1.54 | 0.00 | 0.79 | 0.62 |
| P-36 | J-112 | J-104 | -12.48 | 0.46 | 0.00 | 0.32 | 0.26 |
| P-37 | J-37 | J-126 | -50.90 | 0.04 | 0.00 | 0.21 | 0.04 |
| P-38 | J-127 | J-8 | -9.30 | 0.07 | 0.00 | 0.24 | 0.15 |
| | | | | | | 0.24 | 0.87 |
| P-39 | J-104 | J-131 | -148.22 | 0.63 | 0.00 | | |
| P-4 | J-12 | J-13 | 10.16 | 0.06 | 0.00 | 0.26 | 0.18 |
| P-40 | J-131 | J-79 | 84.86 | 1.83 | 0.00 | 0.96 | 1.25 |
| P-41 | J-136 | J-137 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-42 | J-136 | J-138 | 4.99 | 0.49 | 0.00 | 0.51 | 1.39 |
| P-43 | J-81 | J-139 | 39.94 | 0.11 | 0.00 | 1.02 | 2.23 |
| P-44 | J-103 | J-140 | 81.02 | 0.08 | 0.00 | 0.92 | 1.15 |
| P-45 | J-139 | J-141 | 4.99 | 0.05 | 0.00 | 0.23 | 0.19 |
| P-46 | J-142 | J-136 | 9.98 | 0.11 | 0.00 | 0.25 | 0.17 |
| P-47 | J-143 | J-142 | -4.99 | 0.62 | 0.00 | 0.51 | 1.39 |
| P-47
P-48 | J-81 | J-144 | 24.96 | 0.02 | 0.00 | 0.64 | 0.93 |
| | | | | | | 0.38 | 0.36 |
| P-49 | J-144 | J-142 | 14.98 | 0.12 | 0.00 | | |
| P-5 | J-12 | J-14 | -6.47 | 1.70 | 0.00 | 0.66 | 2.24 |
| P-50 | J-145 | J-144 | -4.99 | 0.55 | 0.00 | 0.51 | 1.39 |
| P-51 | J-139 | J-151 | 34.94 | 1.95 | 0.00 | 0.89 | 1.74 |
| P-52 | J-152 | J-151 | -4.99 | 0.02 | 0.00 | 0.13 | 0.05 |
| P-53 | J-151 | J-153 | 29.95 | 0.29 | 0.00 | 0.76 | 1.31 |
| | | | | | | | |

| P-54 | J-153 | J-154 | 4.99 | 0.02 | 0.00 | 0.13 | 0.05 |
|--------------|----------------|-------|--------------------|------|------|------|------|
| P-55 | J-103 | J-127 | -0.85 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-56 | J-156 | J-157 | 4.99 | 0.13 | 0.00 | 0.23 | 0.19 |
| P-57 | J-158 | J-156 | -4.99 | 0.05 | 0.00 | 0.23 | 0.19 |
| P-58 | J-153 | J-159 | 19.97 | 0.46 | 0.00 | 0.91 | 2.51 |
| P-59 | J-159 | J-156 | 9.98 | 0.19 | 0.00 | 0.45 | 0.69 |
| P-6 | J-14 | J-15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-60 | J-162 | J-159 | -4.99 | 0.15 | 0.00 | 0.23 | 0.19 |
| P-61 | J-163 | J-167 | 78.38 | 1.33 | 0.00 | 0.89 | 1.08 |
| P-62 | J-168 | J-169 | 12.48 | 0.26 | 0.00 | 0.57 | 1.05 |
| P-63 | J-168 | J-171 | -415.72 | 0.60 | 0.00 | 1.70 | 1.97 |
| P-64 | J-167 | J-75 | -32.75 | 0.06 | 0.00 | 0.37 | 0.21 |
| P-65 | J-75 | J-168 | -19.20 | 2.22 | 0.00 | 0.87 | 2.33 |
| P-66 | J-8 | J-178 | 0.00 | 0.00 | | | |
| | | | | | 0.00 | 0.00 | 0.00 |
| P-67 | J-179 | J-171 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-68 | J-167 | J-180 | 86.17 | 0.29 | 0.00 | 0.98 | 1.29 |
| P-69 | J-180 | J-182 | 12.48 | 0.65 | 0.00 | 0.57 | 1.05 |
| P-7 | J-13 | J-21 | -32.40 | 1.09 | 0.00 | 0.83 | 1.51 |
| P-70 | J-183 | J-168 | -371.56 | 1.35 | 0.00 | 2.37 | 4.75 |
| P-71 | J-185 | J-77 | -12.48 | 0.46 | 0.00 | 0.57 | 1.05 |
| P-72 | J-131 | J-188 | -272.99 | 1.47 | 0.00 | 1.74 | 2.68 |
| P-73 | J-188 | J-183 | -310.43 | 0.27 | 0.00 | 1.98 | 3.40 |
| P-74 | J-188 | J-189 | 12.48 | 0.07 | 0.00 | 0.32 | 0.26 |
| P-75 | J-190 | J-131 | -39.90 | 0.07 | 0.00 | 0.45 | 0.31 |
| P-76 | J-191 | J-76 | -12.48 | 0.26 | 0.00 | 0.57 | 1.05 |
| P-77 | J-60 | J-193 | 5.24 | 0.02 | 0.00 | 0.13 | 0.05 |
| P-78 | J-194 | J-190 | -12.74 | 0.15 | 0.00 | 0.58 | 1.09 |
| P-79 | J-180 | J-200 | 73.69 | 0.59 | 0.00 | 0.84 | 0.96 |
| P-8 | J-21 | J-22 | -222.88 | 0.03 | 0.00 | 1.42 | 1.84 |
| P-80 | J-200 | J-190 | -1.14 | 0.00 | 0.00 | 0.03 | 0.00 |
| P-81 | J-201 | J-204 | -12.48 | 0.33 | 0.00 | 0.57 | 1.05 |
| P-82 | J-204 | J-194 | 1.00 | 0.00 | 0.00 | 0.05 | 0.01 |
| P-83 | J-204 | J-200 | -25.96 | 0.14 | 0.00 | 0.66 | 1.00 |
| P-84 | J-200 | J-206 | 48.86 | 0.52 | 0.00 | 1.25 | 3.24 |
| P-85 | J-206 | J-207 | 12.48 | 0.15 | 0.00 | 0.57 | 1.05 |
| P-86 | J-208 | J-206 | -12.48 | 0.10 | 0.00 | 0.57 | 1.05 |
| P-87 | J-190 | J-211 | 13.54 | 0.61 | 0.00 | 0.61 | 1.22 |
| P-88 | J-212 | J-193 | -3.84 | 0.02 | 0.00 | 0.10 | 0.03 |
| P-89 | J-211 | J-214 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-9 | J-21 | J-24 | 178.01 | 0.40 | 0.00 | 1.14 | 1.21 |
| P-90 | J-206 | J-217 | 11.42 | 0.08 | 0.00 | 0.29 | 0.22 |
| P-91 | J-217 | J-218 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-92 | J-217 | J-211 | -1.06 | 0.00 | 0.00 | 0.03 | 0.00 |
| P-92
P-93 | J-217
J-163 | J-223 | -249.80 | 2.42 | 0.00 | | |
| | | | -249.80
-449.43 | | | 1.59 | 2.28 |
| P-94 | J-171 | J-224 | | 0.77 | 0.00 | 1.84 | 2.28 |
| P-95 | J-171 | J-225 | 8.75 | 1.03 | 0.00 | 0.89 | 3.92 |
| P-96 | J-77 | J-183 | -48.66 | 1.27 | 0.00 | 1.24 | 3.22 |
| P-97 | J-225 | J-227 | -48.25 | 1.79 | 0.00 | 1.23 | 3.17 |
| P-98 | J-227 | J-224 | -70.49 | 0.01 | 0.00 | 0.45 | 0.22 |
| P-99 | J-193 | J-9 | -2.44 | 0.03 | 0.00 | 0.06 | 0.01 |

PUMP/LOSS ELEMENT RESULTS

| | | | INLET | OUTLET | HEAD | EFFIC- | USEFUL | INCREMTL | TOTAL | |
|---|--------|----------|-------|--------|--------|--------|--------|----------|-------|--|
| | NAME | FLOWRATE | HEAD | HEAD | CHANGE | ENCY | POWER | COST | COST | |
| | | (gpm) | (ft) | (ft) | (ft) | (%) | (Hp) | (\$) | (\$) | |
| - | | | | | | | | | | |
| | Pump-1 | 35.40 | 19.00 | 151.53 | 132.5 | | | | | |

END NODE RESULTS

| NODE
NAME | NODE
TITLE | EXTERNAL DEMAND | HYDRAULIC
GRADE | NODE
ELEVATION | PRESSURE
HEAD | NODE
PRESSURE |
|----------------|---------------|-----------------|--------------------------|-------------------|------------------|------------------|
| | | (gpm) | (ft) | (ft) | (f t) | (psi) |
| J-10 | | 3.84(4.8 | 30) 391.15 | 240.00 | 151.15 | 65.50 |
| J-103 | | | 30) 390.16 | 242.81 | 147.35 | 63.85 |
| J-104 | | 12.48(4.8 | 30) 392.23 | 243.59 | 148.64 | 64.41 |
| J-11 | | 12.48(4.8 | 30) 397.87 | 255.87 | 142.00 | 61.53 |
| J-112 | | 12.48(4.8 | 30) 391.77 | 231.46 | 160.31 | 69.47 |
| J-12 | | 12.48(4.8 | 30) 397.75 | 260.00 | 137.75 | 59.69 |
| J-126 | | • | 30) 392.57 | 237.01 | 155.56 | 67.41 |
| J-127 | | | 30) 390.16 | 256.70 | 133.46 | 57.83 |
| J-13 | | | 30) 397.68 | 260.28 | 137.40 | 59.54 |
| J-131 | | 0.00 | 392.86 | 240.00 | 152.86 | 66.24 |
| J-136 | | • | 30) 389.77 | 211.35 | 178.42 | 77.32 |
| J-137 | | 0.00 | 389.77
30) 389.29 | 210.00 | 179.77 | 77.90
77.69 |
| J-138
J-139 | | 0.00 | 390.19 | 210.00
220.00 | 179.29
170.19 | 73.75 |
| J-14 | | | 390.19 | 270.00 | 129.44 | 56.09 |
| J-140 | | | 30) 390.08 | 241.31 | 148.77 | 64.47 |
| J-141 | | | 30) 390.14 | 222.11 | 168.03 | 72.81 |
| J-142 | | 0.00 | 389.88 | 220.00 | 169.88 | 73.61 |
| J-143 | | 4.99(4.8 | 30) 389.26 | 220.00 | 169.26 | 73.35 |
| J-144 | | 4.99(4.8 | 30) 390.00 | 220.00 | 170.00 | 73.67 |
| J-145 | | 4.99(4.8 | 30) 389.45 | 220.00 | 169.45 | 73.43 |
| J-15 | | 0.00 | 399.44 | 270.00 | 129.44 | 56.09 |
| J-151 | | 0.00 | 388.24 | 241.60 | 146.64 | 63.54 |
| J-152 | | | 30) 388.22 | 240.00 | 148.22 | 64.23 |
| J-153 | | · | 30) 387.95 | 245.46 | 142.49 | 61.75 |
| J-154 | | 4.99(4.8 | 30) 387.93 | 247.51 | 140.42 | 60.85 |
| J-156 | | | 387.31
30) 387.18 | 241.19
240.43 | 146.12
146.75 | 63.32
63.59 |
| J-157
J-158 | | | 30, 387.16 | 236.81 | 150.44 | 65.19 |
| J-159 | | | 30) 387.23 | 242.78 | 144.72 | 62.71 |
| J-16 | | | 30) 391.44 | 260.00 | 131.44 | 56.96 |
| J-162 | | | 30) 387.35 | 242.60 | 144.75 | 62.73 |
| J-163 | | | 30) 395.00 | 220.82 | 174.18 | 75.48 |
| J-167 | | 24.96 (4.8 | 30) 393.67 | 243.11 | 150.56 | 65.24 |
| J-168 | | 12.48(4.8 | 30) 395.95 | 260.00 | 135.95 | 58.91 |
| J-169 | | | 30) 395.68 | 259.29 | 136.39 | 59.10 |
| J-171 | | | 30) 396.55 | 260.00 | 136.55 | 59.17 |
| J-178 | | 0.00 | 390.23 | 265.05 | 125.18 | 54.24 |
| J-179 | | 0.00 | 396.55 | 260.00 | 136.55 | 59.17 |
| J-180 | | 0.00 | 393.38
30) 392.73 | 242.29
223.99 | 151.09
168.74 | 65.47
73.12 |
| J-182
J-183 | | | 394.60 | 253.99 | | 60.93 |
| J-185 | | | 30) 392.87 | 244.86 | 148.01 | 64.14 |
| J-188 | | | 30) 394.33 | 251.78 | 142.55 | 61.77 |
| J-189 | | | 30) 394.25 | 250.09 | 144.16 | 62.47 |
| J-190 | | 12.48(4.8 | 30) 392.79 | 240.00 | 152.79 | 66.21 |
| J-191 | | 12.48(4.8 | 30) 392.37 | 240.00 | 152.37 | 66.03 |
| J-193 | | | 30) 391.09 | 290.00 | 101.09 | 43.80 |
| J-194 | | | 30) 392.64 | 240.00 | 152.64 | 66.14 |
| J-2 | | | 30) 390.69 | 252.63 | 138.06 | 59.83 |
| J-200 | | 0.00 | 392.79 | 237.85 | 154.94 | 67.14 |
| J-201 | | | 30) 392.32
30) 392.64 | 240.81
240.00 | 151.51
152.64 | 65.65
66.15 |
| J-204 | | | 30) 392.04 | 236.70 | 155.57 | 67.41 |
| J-206
Ĵ-207 | | | 30) 392.27 | 236.70 | 155.80 | 67.51 |
| J-208 | | | 30) 392.12 | 234.45 | 157.72 | 68.34 |
| J-21 | | | 30) 398.77 | 270.00 | 128.77 | 55.80 |
| J-211 | | | 30) 392.18 | 240.00 | 152.18 | 65.95 |
| J-212 | | | 391.07 | 289.09 | 101.98 | 44.19 |
| J-214 | | 0.00 | 392.18 | 238.90 | 153.28 | 66.42 |
| J-217 | | | 30) 392.18 | 239.78 | 152.40 | 66.04 |
| J-218 | | 0.00 | 392.18 | 235.51 | 156.67 | 67.89 |
| J-22 | | 0.00 | 398.80 | 270.00 | 128.80 | 55.81 |
| J-223 | | | 397.41 | 242.40 | 155.01 | 67.17 |
| J-224 | | 0.00 | 397.31 | 260.00 | 137.31 | 59.50 |

| J-225 | 12.48(4.80) | | 260.00 | 135.52 | 58.72 |
|--------|-------------|--------|--------|--------|-------|
| J-227 | 12.48(4.80) | 397.31 | 260.00 | 137.31 | 59.50 |
| J-236 | · | 397.26 | 260.00 | 137.26 | 59.48 |
| J-238 | • | 394.89 | 257.90 | 136.99 | 59.36 |
| J-24 | 12.48(4.80) | | 275.23 | 123.15 | 53.36 |
| J-243 | 0.00 | 399.98 | 256.07 | 143.91 | 62.36 |
| J-245 | 12.48(4.80) | | 260.14 | 139.39 | 60.40 |
| J-246 | 12.48(4.80) | | 247.06 | 151.98 | 65.86 |
| J-25 | 0.00 | 398.38 | 273.41 | 124.97 | 54.15 |
| J-250 | 0.00 | 398.55 | 257.84 | 140.71 | 60.98 |
| J-254 | 0.00 | 400.26 | 267.76 | 132.50 | 57.41 |
| J-255 | 12.48(4.80) | 398.72 | 270.00 | 128.72 | 55.78 |
| J-256 | 0.00 | 400.26 | 270.00 | 130.26 | 56.44 |
| J-257 | 12.48(4.80) | 397.66 | 249.22 | 148.44 | 64.32 |
| J-259 | 0.00 | 392.60 | 231.54 | 161.06 | 69.79 |
| J-26 | 3.84(4.80) | 392.30 | 230.00 | 162.30 | 70.33 |
| J-276 | 0.00 | 392.59 | 233.84 | 158.75 | 68.79 |
| J-277 | 0.00 | 392.34 | 260.14 | 132.20 | 57.28 |
| J-282 | 5.28(4.80) | 392.15 | 255.03 | 137.12 | 59.42 |
| J-286 | 0.00 | 392.36 | 255.73 | 136.63 | 59.21 |
| J-292 | 5.28(4.80) | 391.19 | 246.95 | 144.24 | 62.50 |
| J-293 | 2.40(4.80) | 392.51 | 234.58 | 157.93 | 68.44 |
| J-294 | 2.88(4.80) | 392.49 | 240.00 | 152.49 | 66.08 |
| J-37 | 0.00 | 392.53 | 237.55 | 154.98 | 67.16 |
| J-53 | 0.00 | 397.16 | 261.14 | 136.02 | 58.94 |
| J-58 | 3.84(4.80) | 391.15 | 282.94 | 108.21 | 46.89 |
| J-60 | 3.84(4.80) | 391.11 | 290.00 | 101.11 | 43.81 |
| J-61 | 12.48(4.80) | 397.21 | 270.00 | 127.21 | 55.12 |
| J-62 | 12.48(4.80) | 397.52 | 276.90 | 120.62 | 52.27 |
| J-66 | 0.00 | 398.21 | 280.00 | 118.21 | 51.22 |
| J-67 | 24.96(4.80) | 397.77 | 280.00 | 117.77 | 51.03 |
| J-7 | 81.02(4.80) | 392.38 | 233.00 | 159.38 | 69.06 |
| J-71 | 93.50(4.80) | 396.57 | 280.00 | 116.57 | 50.52 |
| J-73 | 12.48(4.80) | 401.04 | 263.06 | 137.98 | 59.79 |
| J-74 | 12.48(4.80) | 394.02 | 252.12 | 141.90 | 61.49 |
| J-75 | 12.48(4.80) | 393.72 | 250.00 | 143.72 | 62.28 |
| J-76 | 12.48(4.80) | 392.63 | 246.16 | 146.47 | 63.47 |
| J-77 | 12.48(4.80) | 393.33 | 250.56 | 142.77 | 61.87 |
| J-79 | 19.97(4.80) | 391.03 | 225.80 | 165.23 | 71.60 |
| J-8 | 8.45(4.80) | 390.23 | 264.14 | 126.09 | 54.64 |
| J-81 | 0.00 | 390.29 | 220.00 | 170.29 | 73.79 |
| J-82 | 12.48(4.80) | 397.65 | 283.36 | 114.29 | 49.52 |
| J-86 | 3.84(4.80) | 391.30 | 239.16 | 152.14 | 65.93 |
| J-87 | 3.84(4.80) | 391.25 | 272.47 | 118.78 | 51.47 |
| J-9 | 3.84(4.80) | 391.11 | 243.90 | 147.21 | 63.79 |
| J-94 | 3.84 (4.80) | 391.83 | 270.00 | 121.83 | 52.79 |
| J-96 | 3.84(4.80) | 391.66 | 264.79 | 126.87 | 54.98 |
| Pump-1 | 0.00 | 392.53 | 241.00 | 151.53 | 65.66 |
| T-1 | | 402.00 | 268.31 | 133.69 | 57.93 |
| T-2 | | 260.00 | 241.00 | 19.00 | 8.23 |
| Pump-1 | 0.00 | 260.00 | 241.00 | 19.00 | 8.23 |
| - | | | | | |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| J-137 | 77.90 | Pump-1 | 8.23 |
| J-138 | 77.69 | T-2 | 8.23 |
| J-136 | 77.32 | J-193 | 43.80 |
| J-163 | 75.48 | J-60 | 43.81 |
| J-81 | 73.79 | J-212 | 44.19 |
| J-139 | 73.75 | J-58 | 46.89 |
| J-144 | 73.67 | J-82 | 49.52 |
| J-142 | 73.61 | J-71 | 50.52 |

| J-145 | 73.43 | J-67 | 51.03 |
|-------|-------|-------|-------|
| J-143 | 73.35 | J-66 | 51.22 |
| J-182 | 73.12 | J-87 | 51.47 |
| J-141 | 72.81 | J-62 | 52.27 |
| J-79 | 71.60 | J-94 | 52.79 |
| J-26 | 70.33 | J-24 | 53.36 |
| J-259 | 69.79 | J-25 | 54.15 |
| J-112 | 69.47 | J-178 | 54.24 |
| J-7 | 69.06 | J-8 | 54.64 |
| J-276 | 68.79 | J-96 | 54.98 |
| J-293 | 68.44 | J-61 | 55.12 |
| J-208 | 68.34 | J-255 | 55.78 |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-21 | 2.47 | P-24 | 0.01 |
| P-70 | 2.37 | P-55 | 0.02 |
| P-111 | 2.12 | P-92 | 0.02 |
| P-112 | 2.10 | P-80 | 0.03 |
| P-107 | 2.02 | P-110 | 0.03 |
| P-73 | 1.98 | P-82 | 0.05 |
| P-94 | 1.84 | P-104 | 0.06 |
| P-72 | 1.74 | P-99 | 0.06 |
| P-108 | 1.73 | P-130 | 0.07 |
| P-63 | 1.70 | P-88 | 0.10 |
| P-113 | 1.67 | P-29 | 0.11 |
| P-119 | 1.62 | P-52 | 0.13 |
| P-93 | 1.59 | P-54 | 0.13 |
| P-120 | 1.50 | P-77 | 0.13 |
| P-8 | 1.42 | P-127 | 0.13 |
| P-84 | 1.25 | P-153 | 0.14 |
| P-96 | 1.24 | P-154 | 0.14 |
| P-97 | 1.23 | P-2 | 0.19 |
| P-102 | 1.14 | P-13 | 0.20 |
| P-9 | 1.14 | P-37 | 0.21 |
| - | | = : | |

H L / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-70 | 4.75 | P-24 | 0.00 |
| P-21 | 3.94 | P-55 | 0.00 |
| P-95 | 3.92 | P-92 | 0.00 |
| P-112 | 3.80 | P-80 | 0.00 |
| P-107 | 3.54 | P-110 | 0.00 |
| P-23 | 3.44 | P-82 | 0.01 |
| P-73 | 3.40 | P-99 | 0.01 |
| P-84 | 3.24 | P-104 | 0.02 |
| P-115 | 3.23 | P-130 | 0.02 |
| P-96 | 3.22 | P-153 | 0.02 |
| P-97 | 3.17 | P-154 | 0.02 |
| P-111 | 2.98 | P-88 | 0.03 |
| P-102 | 2.73 | P-29 | 0.03 |
| P-72 | 2.68 | P-37 | 0.04 |
| P-108 | 2.65 | P-52 | 0.05 |
| P-58 | 2.51 | P-54 | 0.05 |
| P-113 | 2.49 | P-77 | 0.05 |
| P-118 | 2.36 | P-127 | 0.05 |
| P-119 | 2.35 | P-2 | 0.10 |
| P-65 | 2.33 | P-129 | 0.11 |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| | node
name | | FLOWRATE
(gpm) | | NODE
TITLE | |
|-----|--------------|-----------------------------|-------------------|----------------------------|---------------|--|
| | T-1
T-2 | | | 4.28
5.40 | | |
| NET | | INFLOW
OUTFLOW
DEMAND | | 1159.68
0.00
1159.68 | | |

***** HYDRAULIC ANALYSIS COMPLETED *****

University of Kentucky Network Modeling Software *

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Version 1.200 - 01/26/2000

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet PRESSURE = psig

REGULATING VALVE DATA

| VALVE | VALVE | VALVE |
|-------|-------|-------------|
| LABEL | TYPE | SETTING |
| | | (ft or gpm) |
| PRV-1 | PSV | 446.15 |

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE | NODE NAMES | LENGTH | DIAMETER | ROUGHNESS | MINOR |
|------|------------|---------|----------|-----------|-------------|
| NAME | #1 #2 | (ft) | (in) | COEFF. | LOSS COEFF. |
| 1 | 2675 133 | 1060.00 | 2.00 | 150.0000 | 0.00 |
| 2 | 133 5001 | 953.00 | 2.00 | 150.0000 | 0.00 |
| 3 | 5001 357 | 1334.00 | 2.00 | 150.0000 | 0.00 |
| 4 | 357 2123 | 983.00 | 2.00 | 150.0000 | 0.00 |
| 5 | 5002 5003 | 1158.00 | 3.00 | 150.0000 | 0.00 |
| 6 | 5003 1794 | 480.00 | 2.00 | 150.0000 | 0.00 |
| 7 | 5003 71 | 272.00 | 3.00 | 150.0000 | 0.00 |
| 8 | 71 74 | 530.00 | 3.00 | 150.0000 | 0.00 |
| 9 | 74 682 | | | 150.0000 | 0.00 |
| 10 | 682 70 | 220.00 | 3.00 | 150.0000 | 0.00 |
| 11 | 5011 1888 | 1588.00 | 2.00 | 150.0000 | 0.00 |
| 12 | 1888 5004 | 1675.00 | 2.50 | 150.0000 | 0.00 |
| 13 | 5004 365 | 997.00 | 2.50 | 150.0000 | 0.00 |
| 14 | 365 5005 | 484.00 | 2.50 | 150.0000 | 0.00 |
| 15 | 5005 5006 | 1255.00 | 1.00 | 150.0000 | 0.00 |
| 16 | 5005 5007 | 393.00 | 2.50 | 150.0000 | 0.00 |
| 17 | 5007 5008 | 3046.00 | 2.50 | 150.0000 | 0.00 |
| 18 | 5008 908 | 886.00 | 2.50 | 150.0000 | 0.00 |
| 19 | 908 5009 | 1010.00 | 2.50 | 150.0000 | 0.00 |
| 20 | 5009 631 | 1344.00 | 2.50 | 150.0000 | 0.00 |
| 21 | 631 630 | 376.00 | 2.50 | 150.0000 | 0.00 |
| 22 | 5002 979 | 98.00 | 4.00 | 150.0000 | 0.00 |
| 23 | 979 611 | 590.00 | 4.00 | 150.0000 | 0.00 |
| 24 | 611 5010 | 140.00 | 4.00 | 150.0000 | 0.00 |

| 25 | 70 | 5011 | 634.00 | 3.00 | 150.0000 | 0.00 |
|----|------|------|---------|------|----------|------|
| 26 | 5010 | 7000 | 68.00 | 4.00 | 150.0000 | 0.00 |
| 27 | 7000 | 7001 | 1747.00 | 4.00 | 150.0000 | 0.00 |
| 28 | 7001 | 1321 | 894.00 | 4.00 | 150.0000 | 0.00 |
| 29 | 5012 | 111 | 1174.00 | 2.00 | 150.0000 | 0.00 |
| 30 | 111 | 880 | 131.00 | 2.00 | 150.0000 | 0.00 |
| 31 | 5012 | 552 | 1109.00 | 4.00 | 150.0000 | 0.00 |
| 32 | 62 | 174 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 33 | 174 | 938 | 584.00 | 2.00 | 150.0000 | 0.00 |
| 34 | 938 | 629 | 47.00 | 2.00 | 150.0000 | 0.00 |
| 35 | 552 | 150 | 1016.00 | 4.00 | 150.0000 | 0.00 |
| 36 | 150 | 7002 | 1469.00 | 4.00 | 150.0000 | 0.00 |
| 37 | 7002 | 5013 | 1461.00 | 4.00 | 150.0000 | 0.00 |
| 38 | 5013 | 5014 | 4729.00 | 4.00 | 150.0000 | 0.00 |
| 39 | 5014 | 5015 | 2397.00 | 4.00 | 150.0000 | 0.00 |
| 40 | 5015 | 1693 | 107.00 | 4.00 | 150.0000 | 0.00 |
| 41 | 1693 | 345 | 1022.00 | 2.00 | 150.0000 | 0.00 |
| 42 | 345 | 1138 | 1034.00 | 2.00 | 150.0000 | 0.00 |
| 43 | 5015 | 848 | 1291.00 | 4.00 | 150.0000 | 0.00 |
| 44 | 848 | 5016 | 638.00 | 4.00 | 150.0000 | 0.00 |
| 45 | 5016 | 409 | 645.00 | 4.00 | 150.0000 | 0.00 |
| 46 | 409 | 397 | 550.00 | 4.00 | 150.0000 | 0.00 |
| 47 | 397 | 5017 | 301.00 | 3.00 | 150.0000 | 0.00 |
| 48 | 5017 | 5017 | 1203.00 | 3.00 | 150.0000 | 0.00 |
| 49 | | | | | 150.0000 | |
| | 5018 | 588 | 839.00 | 3.00 | | 0.00 |
| 50 | 588 | 5019 | 2347.00 | 3.00 | 150.0000 | 0.00 |
| 51 | 5019 | 5020 | 866.00 | 3.00 | 150.0000 | 0.00 |
| 52 | 5020 | 5022 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 53 | 5020 | 5021 | 464.00 | 3.00 | 150.0000 | 0.00 |
| 54 | 5022 | 976 | 286.00 | 1.00 | 150.0000 | 0.00 |
| 55 | 5022 | 444 | 1785.00 | 2.00 | 150.0000 | 0.00 |
| 56 | 444 | 1968 | 446.00 | 1.00 | 150.0000 | 0.00 |
| 57 | 5021 | 5024 | 410.00 | 3.00 | 150.0000 | 0.00 |
| 58 | 5024 | 975 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 59 | 641 | 2249 | 2015.00 | 2.00 | 150.0000 | 0.00 |
| 60 | 5024 | 1981 | 294.00 | 2.00 | 150.0000 | 0.00 |
| 61 | 5013 | 5023 | 484.00 | 6.00 | 150.0000 | 0.00 |
| 62 | 5023 | 7003 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 63 | 7003 | 1912 | 325.00 | 2.00 | 150.0000 | 0.00 |
| 64 | 1912 | 1464 | 1152.00 | 2.00 | 150.0000 | 0.00 |
| 65 | 1464 | 5025 | 3141.00 | 2.00 | 150.0000 | 0.00 |
| 66 | 5025 | 5026 | 1155.00 | 2.00 | 150.0000 | 0.00 |
| 67 | 5023 | 966 | 2369.00 | 6.00 | 150.0000 | 0.00 |
| 68 | 966 | 1352 | 976.00 | 6.00 | 150.0000 | 0.00 |
| 69 | 1352 | 5027 | 1154.00 | 6.00 | 150.0000 | 0.00 |
| 70 | 5027 | 5030 | 2178.00 | 6.00 | 150.0000 | 0.00 |
| 71 | 5027 | 5031 | 3518.00 | 6.00 | 150.0000 | 0.00 |
| 72 | 5031 | 842 | 437.00 | 6.00 | 150.0000 | 0.00 |
| 73 | 842 | 847 | 2056.00 | 6.00 | 150.0000 | 0.00 |
| 74 | 847 | 5028 | 3910.00 | 6.00 | 150.0000 | 0.00 |
| 75 | 5028 | 5029 | 126.00 | 6.00 | 150.0000 | 0.00 |
| 76 | 5311 | 2205 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 77 | 5028 | 2112 | 3133.00 | 2.00 | 150.0000 | 0.00 |
| 78 | 2112 | 1397 | 2115.00 | 2.00 | 150.0000 | 0.00 |
| 79 | 1397 | 2147 | 1218.00 | 2.00 | 150.0000 | 0.00 |
| 80 | 2147 | 7004 | 2823.00 | 2.00 | 150.0000 | 0.00 |
| 81 | 7004 | 5032 | 1363.00 | 2.50 | 150.0000 | 0.00 |
| 82 | 5032 | 792 | 705.00 | 2.00 | 150.0000 | 0.00 |
| 83 | 5032 | 1884 | 652.00 | 2.00 | 150.0000 | 0.00 |
| 84 | 5029 | 549 | 717.00 | 2.00 | 150.0000 | 0.00 |
| 85 | 549 | 1276 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 86 | 5029 | 1293 | 718.00 | 6.00 | 150.0000 | 0.00 |
| 89 | 5035 | 5036 | 2456.00 | 2.00 | 150.0000 | 0.00 |
| 90 | 5034 | 801 | 1178.00 | 4.00 | 150.0000 | 0.00 |
| 91 | 801 | 434 | 240.00 | 4.00 | 150.0000 | 0.00 |
| 92 | 434 | 5037 | 1377.00 | 4.00 | 150.0000 | 0.00 |
| 93 | 5037 | 4 | 4096.00 | 2.00 | 150.0000 | 0.00 |
| 94 | 4 | 5038 | 927.00 | 2.00 | 150.0000 | 0.00 |
| 95 | 5038 | 1409 | 218.00 | 2.00 | 150.0000 | 0.00 |
| 96 | 5038 | 474 | 743.00 | 2.00 | 150.0000 | 0.00 |
| 97 | 5037 | 5039 | 386.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |

| 98 | 5039 | 1107 | 561.00 | 2.00 | 150.0000 | 0.00 |
|------------|--------------|--------------|-------------------|--------------|----------------------|--------------|
| 99 | 5039 | 5570 | 2191.00 | 4.00 | 150.0000 | 0.00 |
| 100 | 1467 | 808 | 1492.00 | 4.00 | 150.0000 | 0.00 |
| 101 | 5041 | 5042 | 3024.00 | 4.00 | 150.0000 | 0.00 |
| 102 | 5042 | 2009 | 1924.00 | 4.00 | 150.0000 | 0.00 |
| 103 | 2009 | 2381 | 196.00 | 4.00 | 150.0000 | 0.00 |
| 104 | 2381 | 870 | 3332.00 | 4.00 | 150.0000 | 0.00 |
| 105 | 870 | 5043 | 42.00 | 4.00 | 150.0000 | 0.00 |
| 106 | 5043 | 506 | 513.00 | 6.00 | 150.0000 | 0.00 |
| 107
108 | 5043 | 468 | 686.00 | 6.00 | 150.0000 | 0.00 |
| 108 | 506
5044 | 5044
5054 | 714.00
400.00 | 6.00
2.00 | 150.0000
150.0000 | 0.00 |
| 110 | 5055 | 2067 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 111 | 5055 | 8060 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 112 | 5044 | 5045 | 185.00 | 6.00 | 150.0000 | 0.00 |
| 113 | 5045 | 443 | 391.00 | 6.00 | 150.0000 | 0.00 |
| 114 | 443 | 2550 | 292.00 | 6.00 | 150.0000 | 0.00 |
| 115 | 2550 | 977 | 509.00 | 6.00 | 150.0000 | 0.00 |
| 116 | 977 | 5046 | 2952.00 | 6.00 | 150.0000 | 0.00 |
| 117 | 5046 | 1126 | 498.00 | 2.00 | 150.0000 | 0.00 |
| 118 | 1126 | 1646 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 119 | 5046 | 5047 | 1988.00 | 6.00 | 150.0000 | 0.00 |
| 120 | 5668 | 2539 | 1193.00 | 6.00 | 150.0000 | 0.00 |
| 121 | 2539 | 917 | 372.00 | 6.00 | 150.0000 | 0.00 |
| 122
123 | 917
2480 | 2480
1134 | 188.00
2458.00 | 6.00
6.00 | 150.0000
150.0000 | 0.00
0.00 |
| 124 | 1134 | 404 | 1907.00 | 6.00 | 150.0000 | 0.00 |
| 125 | 404 | 7005 | 488.00 | 3.00 | 150.0000 | 0.00 |
| 126 | 7005 | 7006 | 473.00 | 3.00 | 150.0000 | 0.00 |
| 127 | 5045 | 194 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 128 | 194 | 1434 | 523.00 | 2.00 | 150.0000 | 0.00 |
| 129 | 1434 | 715 | 900.00 | 2.00 | 150.0000 | 0.00 |
| 131 | 7006 | 2025 | 743.00 | 2.50 | 150.0000 | 0.00 |
| 132 | 2025 | 1885 | 1116.00 | 2.50 | 150.0000 | 0.00 |
| 133 | 1885 | 1013 | 829.00 | 2.50 | 150.0000 | 0.00 |
| 134 | 1013 | 1142 | 232.00 | 2.50 | 150.0000 | 0.00 |
| 135 | 5054 | 5055 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 136
137 | 5055
5054 | 2040
8067 | 20.00
492.00 | 2.00
2.00 | 150.0000
150.0000 | 0.00
0.00 |
| 138 | 468 | 2721 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 139 | 2721 | 2646 | 176.00 | 6.00 | 150.0000 | 0.00 |
| 140 | 2646 | 1809 | 209.00 | 6.00 | 150.0000 | 0.00 |
| 141 | 1809 | 2337 | 1114.00 | 6.00 | 150.0000 | 0.00 |
| 142 | 2337 | 795 | 414.00 | 6.00 | 150.0000 | 0.00 |
| 143 | 795 | 2691 | 16.00 | 6.00 | 150.0000 | 0.00 |
| 144 | 2691 | 8051 | 2115.00 | 6.00 | 150.0000 | 0.00 |
| 145 | 8051 | 2043 | 72.00 | 6.00 | 150.0000 | 0.00 |
| 146 | 2043 | 2016 | 95.00 | 6.00 | 150.0000 | 0.00 |
| 147 | 2016 | 1227 | 409.00 | 6.00 | 150.0000 | 0.00 |
| 148
149 | 1227
7007 | 5056
472 | 303.00
20.00 | 6.00
2.00 | 150.0000
150.0000 | 0.00
0.00 |
| 150 | 5056 | 7007 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 151 | 5056 | 2344 | 268.00 | 6.00 | 150.0000 | 0.00 |
| 152 | 2344 | 2029 | 2784.00 | 6.00 | 150.0000 | 0.00 |
| 153 | 2029 | 2554 | 1554.00 | 6.00 | 150.0000 | 0.00 |
| 154 | 2554 | 2203 | 340.00 | 6.00 | 150.0000 | 0.00 |
| 155 | 2203 | 1562 | 220.00 | 6.00 | 150.0000 | 0.00 |
| 156 | 1562 | 5048 | 93.00 | 6.00 | 150.0000 | 0.00 |
| 158 | 5667 | 1439 | 261.00 | 6.00 | 150.0000 | 0.00 |
| 159 | 1439 | 5057 | 123.00 | 6.00 | 150.0000 | 0.00 |
| 160 | 5057 | 7008 | 25.00 | 6.00 | 150.0000 | 0.00 |
| 161 | 7008 | 595 | 582.00 | 6.00 | 150.0000 | 0.00 |
| 162 | 595 | 956 | 175.00 | 6.00 | 150.0000 | 0.00 |
| 163 | 956
5049 | 5049 | 2072.00 | 6.00 | 150.0000 | 0.00 |
| 164
165 | 5049
1900 | 1900
796 | 465.00
1828.00 | 6.00
6.00 | 150.0000
150.0000 | 0.00
0.00 |
| 166 | 796 | 5050 | 400.00 | 6.00 | 150.0000 | 0.00 |
| 167 | 5050 | 5051 | 507.00 | 2.50 | 150.0000 | 0.00 |
| 168 | 5051 | 5052 | 880.00 | 2.50 | 150.0000 | 0.00 |
| 169 | 5052 | 5053 | 1008.00 | 2.50 | 150.0000 | 0.00 |
| 170 | 5053 | 2699 | 786.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |

| 171 | 5058 | 208 | 22.00 | 2.50 | 150.0000 | 0.00 |
|-----|------|------|---------|------|----------|------|
| 172 | 5058 | 646 | 105.00 | 2.50 | 150.0000 | 0.00 |
| | | 1942 | | | | |
| 174 | 5059 | | 614.00 | 2.00 | 150.0000 | 0.00 |
| 175 | 1942 | 2061 | 32.00 | 2.00 | 150.0000 | 0.00 |
| 176 | 5059 | 5060 | 616.00 | 2.50 | 150.0000 | 0.00 |
| 177 | 5060 | 781 | 1347.00 | 1.00 | 150.0000 | 0.00 |
| 178 | 781 | 2017 | 63.00 | 1.00 | 150.0000 | 0.00 |
| 179 | 5060 | 1006 | 213.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 180 | 1006 | 5061 | 4482.00 | 2.50 | 150.0000 | 0.00 |
| 181 | 5061 | 5062 | 823.00 | 2.50 | 150.0000 | 0.00 |
| 182 | 5062 | 495 | 306.00 | 1.00 | 150.0000 | 0.00 |
| 183 | 5062 | 5063 | 5335.00 | 2.50 | 150.0000 | 0.00 |
| 184 | 5063 | 7072 | 375.00 | 1.00 | 150.0000 | 0.00 |
| 185 | 7072 | 2258 | 250.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 186 | 5063 | 1067 | 1764.00 | 2.50 | 150.0000 | 0.00 |
| 187 | 1067 | 1231 | 1945.00 | 2.50 | 150.0000 | 0.00 |
| 188 | 1231 | 1005 | 410.00 | 2.50 | 150.0000 | 0.00 |
| 189 | 1005 | 1578 | 297.00 | 2.50 | 150.0000 | 0.00 |
| 190 | 5030 | 423 | 279.00 | 2.00 | 150.0000 | 0.00 |
| 191 | 423 | 5066 | 1809.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 192 | 5066 | 2131 | 450.00 | 1.00 | 150.0000 | 0.00 |
| 193 | 5066 | 5067 | 299.00 | 2.00 | 150.0000 | 0.00 |
| 194 | 5030 | 5068 | 242.00 | 6.00 | 150.0000 | 0.00 |
| 195 | 5068 | 2185 | 216.00 | 6.00 | 150.0000 | 0.00 |
| 196 | 2185 | 741 | 416.00 | 6.00 | 150.0000 | 0.00 |
| 197 | 741 | 414 | 431.00 | 6.00 | 150.0000 | 0.00 |
| | 414 | 881 | | 6.00 | 150.0000 | |
| 198 | | | 286.00 | | | 0.00 |
| 199 | 881 | 849 | 1100.00 | 6.00 | 150.0000 | 0.00 |
| 200 | 849 | 347 | 387.00 | 6.00 | 150.0000 | 0.00 |
| 201 | 347 | 1472 | 2341.00 | 4.00 | 150.0000 | 0.00 |
| 202 | 1472 | 5069 | 110.00 | 4.00 | 150.0000 | 0.00 |
| 203 | 5069 | 5065 | 4650.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 204 | 5064 | 5065 | 1229.00 | 3.00 | 150.0000 | 0.00 |
| 205 | 5068 | 5076 | 7499.00 | 2.00 | 150.0000 | 0.00 |
| 206 | 5065 | 5070 | 1374.00 | 2.00 | 150.0000 | 0.00 |
| 207 | 5065 | 5071 | 830.00 | 4.00 | 150.0000 | 0.00 |
| 210 | 1232 | 5072 | 140.00 | 6.00 | 150.0000 | 0.00 |
| 211 | 5072 | 5073 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 212 | 5073 | 2078 | 581.00 | 2.00 | 150.0000 | 0.00 |
| | | 1353 | | 2.00 | | |
| 213 | 5073 | | 751.00 | | 150.0000 | 0.00 |
| 214 | 1353 | 2200 | 235.00 | 2.00 | 150.0000 | 0.00 |
| 215 | 5072 | 5074 | 1134.00 | 6.00 | 150.0000 | 0.00 |
| 216 | 5074 | 1490 | 1210.00 | 6.00 | 150.0000 | 0.00 |
| 217 | 1490 | 1716 | 39.00 | 6.00 | 150.0000 | 0.00 |
| 218 | 1716 | 517 | 538.00 | 6.00 | 150.0000 | 0.00 |
| 219 | 517 | 2623 | 1303.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 220 | 2623 | 5075 | 1239.00 | 6.00 | 150.0000 | 0.00 |
| 221 | 5075 | 5077 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 222 | 5077 | 144 | 631.00 | 2.00 | 150.0000 | 0.00 |
| 223 | 144 | 466 | 202.00 | 2.00 | 150.0000 | 0.00 |
| 224 | 5075 | 558 | 758.00 | 6.00 | 150.0000 | 0.00 |
| 225 | 558 | 130 | 1212.00 | 6.00 | 150.0000 | 0.00 |
| 226 | 130 | 1049 | 232.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 227 | 1049 | 5078 | 436.00 | 6.00 | 150.0000 | 0.00 |
| 228 | 5078 | 1605 | 229.00 | 4.00 | 150.0000 | 0.00 |
| 229 | 1605 | 2256 | 465.00 | 4.00 | 150.0000 | 0.00 |
| 230 | 5078 | 5079 | 733.00 | 6.00 | 150.0000 | 0.00 |
| 231 | 5079 | 5080 | 1764.00 | 4.00 | 150.0000 | 0.00 |
| | 5080 | 5081 | 2288.00 | 4.00 | 150.0000 | 0.00 |
| 232 | | | | | | |
| 233 | 2256 | 5082 | 1652.00 | 4.00 | 150.0000 | 0.00 |
| 234 | 5083 | 5084 | 568.00 | 4.00 | 150.0000 | 0.00 |
| 235 | 5083 | 5085 | 228.00 | 2.00 | 150.0000 | 0.00 |
| 236 | 5085 | 2210 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 237 | 2210 | 1883 | 734.00 | 1.00 | 150.0000 | 0.00 |
| 238 | 5085 | 356 | 1632.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 239 | 356 | 7009 | 500.00 | 2.00 | 150.0000 | 0.00 |
| 240 | 7009 | 1953 | 716.00 | 2.00 | 150.0000 | 0.00 |
| 241 | 5082 | 5086 | 425.00 | 4.00 | 150.0000 | 0.00 |
| 242 | 5082 | 1953 | 22.00 | 2.00 | 150.0000 | 0.00 |
| 243 | 5079 | 5083 | 1848.00 | 4.00 | 150.0000 | 0.00 |
| 244 | 5086 | 5088 | 1330.00 | 1.00 | 150.0000 | 0.00 |
| | 2000 | | | | | 2.00 |

| 245 | 5086 | 394 | 787.00 | 4.00 | 150.0000 | 0.00 |
|--------|------|-------------|---------|------|----------|------|
| 246 | 394 | 5087 | 46.00 | 4.00 | 150.0000 | 0.00 |
| 247 | 5087 | 67 7 | 110.00 | 4.00 | 150.0000 | 0.00 |
| 248 | 5087 | 1050 | 480.00 | 4.00 | | 0.00 |
| | | | | | 150.0000 | |
| 249 | 1050 | 5089 | 320.00 | 4.00 | 150.0000 | 0.00 |
| 250 | 677 | 2152 | 1817.00 | 2.00 | 150.0000 | 0.00 |
| 251 | 5081 | 2028 | 1041.00 | 4.00 | 150.0000 | 0.00 |
| 252 | 2028 | 1930 | 55.00 | 4.00 | 150.0000 | 0.00 |
| 253 | 1930 | 8075 | 726.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 254 | 8075 | 2325 | 745.00 | 4.00 | 150.0000 | 0.00 |
| 255 | 2325 | 107 | 310.00 | 4.00 | 150.0000 | 0.00 |
| 256 | 107 | 106 | 203.00 | 4.00 | 150.0000 | 0.00 |
| 257 | 106 | 5090 | 1790.00 | 4.00 | 150.0000 | 0.00 |
| 258 | 5090 | 745 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 259 | 745 | 1056 | 650.00 | 2.00 | 150.0000 | 0.00 |
| 260 | 1056 | 2031 | 980.00 | 2.00 | 150.0000 | 0.00 |
| 261 | 2031 | 1955 | 801.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 262 | 5090 | 326 | 1890.00 | 3.00 | 150.0000 | 0.00 |
| 263 | 326 | 363 | 4136.00 | 3.00 | 150.0000 | 0.00 |
| 264 | 363 | 2532 | 1138.00 | 3.00 | 150.0000 | 0.00 |
| 265 | 2532 | 7010 | 856.00 | 3.00 | 150.0000 | 0.00 |
| 266 | 7010 | 5091 | 733.00 | 3.00 | 150.0000 | 0.00 |
| 267 | 5091 | 2316 | 1089.00 | 2.00 | 150.0000 | 0.00 |
| 268 | 5091 | 5094 | 1701.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 269 | 5094 | 724 | 32.00 | 3.00 | 150.0000 | 0.00 |
| 270 | 724 | 5092 | 1683.00 | 2.50 | 150.0000 | 0.00 |
| 271 | 5092 | 5093 | 1566.00 | 2.50 | 150.0000 | 0.00 |
| 272 | 5084 | 1284 | 1587.00 | 4.00 | 150.0000 | 0.00 |
| 273 | 1284 | 5095 | 795.00 | 4.00 | 150.0000 | 0.00 |
| 274 | 5095 | 408 | 132.00 | 2.50 | 150.0000 | 0.00 |
| 275 | 408 | 5096 | 1014.00 | 2.50 | 150.0000 | 0.00 |
| | | | | 2.50 | | |
| 276 | 5096 | 27 | 830.00 | | 150.0000 | 0.00 |
| 277 | 5096 | 5097 | 3356.00 | 2.00 | 150.0000 | 0.00 |
| 278 | 5097 | 342 | 114.00 | 2.00 | 150.0000 | 0.00 |
| 279 | 342 | 1675 | 590.00 | 1.00 | 150.0000 | 0.00 |
| 280 | 1675 | 8032 | 38.00 | 1.00 | 150.0000 | 0.00 |
| 281 | 5095 | 1484 | 549.00 | 3.00 | 150.0000 | 0.00 |
| 282 | 1484 | 5098 | 501.00 | 3.00 | 150.0000 | 0.00 |
| 283 | 5098 | 7011 | 110.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 284 | 7011 | 1386 | 185.00 | 2.00 | 150.0000 | 0.00 |
| 285 | 5098 | 5099 | 1657.00 | 3.00 | 150.0000 | 0.00 |
| 286 | 5099 | 751 | 1700.00 | 3.00 | 150.0000 | 0.00 |
| 287 | 5100 | 5101 | 2568.00 | 2.50 | 150.0000 | 0.00 |
| 288 | 5101 | 8043 | 929.00 | 2.00 | 150.0000 | 0.00 |
| 289 | 8043 | 1036 | 710.00 | 2.00 | 150.0000 | 0.00 |
| 290 | 1036 | 2314 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 291 | 751 | 5100 | 2240.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 292 | 5100 | 7012 | 129.00 | 3.00 | 150.0000 | 0.00 |
| 293 | 7012 | 2094 | 527.00 | 3.00 | 150.0000 | 0.00 |
| 294 | 2094 | 2355 | 238.00 | 3.00 | 150.0000 | 0.00 |
| 295 | 2355 | 5102 | 448.00 | 3.00 | 150.0000 | 0.00 |
| 296 | 5102 | 5103 | 989.00 | 3.00 | 150.0000 | 0.00 |
| 297 | 1899 | 669 | 5993.00 | 2.00 | 150.0000 | 0.00 |
| 298 | 669 | 582 | 1624,00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 299 | 5103 | 1480 | 798.00 | 2.50 | 150.0000 | 0.00 |
| 300 | 5103 | 5104 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 301 | 5104 | 1899 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 302 | 1480 | 5105 | 775.00 | 2.50 | 150.0000 | 0.00 |
| 303 | 5105 | 5106 | 1409.00 | 2.50 | 150.0000 | 0.00 |
| 304 | 5106 | 2322 | 960.00 | 2.00 | 150.0000 | 0.00 |
| 305 | 2322 | 1035 | 120.00 | 2.00 | 150.0000 | 0.00 |
| | | | 263.00 | 2.00 | 150.0000 | 0.00 |
| 306 | 1035 | 670 | | | | |
| 307 | 670 | 2395 | 312.00 | 2.00 | 150.0000 | 0.00 |
| 308-XX | 5104 | 2659 | 4412.00 | 1.50 | 150.0000 | 0.00 |
| 309 | 2659 | 1966 | 28.00 | 1.50 | 150.0000 | 0.00 |
| 310 | 1966 | 5108 | 2873.00 | 1.50 | 150.0000 | 0.00 |
| 311 | 5108 | 712 | 3186.00 | 2.00 | 150.0000 | 0.00 |
| 312 | 712 | 1254 | 102.00 | 2.00 | 150.0000 | 0.00 |
| | | | 2010.00 | 2.00 | 150.0000 | 0.00 |
| 313 | 1254 | 1422 | | | | |
| 314 | 1422 | 2272 | 95.00 | 2.00 | 150.0000 | 0.00 |
| 315 | 2272 | 1166 | 129.00 | 4.00 | 150.0000 | 0.00 |

| 316 | 1166 | 57 | 423.00 | 4.00 | 150.0000 | 0.00 |
|--------|------|------|---------|------|----------|------|
| 317 | 57 | 2234 | 413.00 | 4.00 | 150.0000 | 0.00 |
| 318 | 2234 | 684 | 298.00 | 4.00 | 150.0000 | 0.00 |
| 319 | 684 | 5107 | 940.00 | 4.00 | 150.0000 | 0.00 |
| 320 | 5107 | 1324 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 321 | 1324 | 2252 | 236.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 322 | 2252 | 8047 | 34.00 | 2.00 | | 0.00 |
| 323 | 8047 | 872 | 132.00 | 2.00 | 150.0000 | 0.00 |
| 324 | 872 | 1193 | 216.00 | 2.00 | 150.0000 | 0.00 |
| 325 | 1193 | 2443 | 651.00 | 2.00 | 150.0000 | 0.00 |
| 326 | 7013 | 1365 | 128.00 | 1.50 | 150.0000 | 0.00 |
| 327 | 5107 | 5109 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 328 | 5109 | 5110 | 60.00 | 4.00 | 150.0000 | 0.00 |
| 329 | 5109 | 5111 | 305.00 | 4.00 | 150.0000 | 0.00 |
| 330 | 5111 | 1237 | 225.00 | 3.00 | 150.0000 | 0.00 |
| 331 | 1237 | 1179 | 220.00 | 3.00 | 150.0000 | 0.00 |
| 332 | 5110 | 5326 | 162.00 | 1.50 | 150.0000 | 0.00 |
| 333 | 5112 | 7014 | 285.00 | 6.00 | 150.0000 | 0.00 |
| 334 | 5111 | 1621 | 312.00 | 4.00 | 150.0000 | 0.00 |
| 335 | 1621 | 426 | 186.00 | 4.00 | 150.0000 | 0.00 |
| 336 | 426 | 8001 | 161.00 | 4.00 | 150.0000 | 0.00 |
| 337 | 8001 | 5113 | 171.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 338 | 7014 | 5114 | 737.00 | 6.00 | 150.0000 | 0.00 |
| 339-XX | 5113 | 5114 | 20.00 | 4.00 | 150.0000 | 0.00 |
| 340 | 5114 | 5115 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 341 | 5115 | 2546 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 342 | 5115 | 1534 | 70.00 | 4.00 | 150.0000 | 0.00 |
| 343 | 1534 | 1060 | 60.00 | 4.00 | 150.0000 | 0.00 |
| 344 | 5112 | 5261 | 285.00 | 6.00 | 150.0000 | 0.00 |
| 345 | 5110 | 7013 | 10.00 | 1.50 | 150.0000 | 0.00 |
| 346 | 5113 | 2529 | 269.00 | 4.00 | 150.0000 | 0.00 |
| 347 | 2529 | 1255 | 166.00 | 4.00 | 150.0000 | 0.00 |
| 348 | 1255 | 5116 | 123.00 | 4.00 | 150.0000 | 0.00 |
| 349 | 5116 | 612 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 350 | 612 | 1410 | 271.00 | 2.00 | 150.0000 | 0.00 |
| 351 | 5116 | 5117 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 352 | 5117 | 569 | 227.00 | 4.00 | 150.0000 | 0.00 |
| 353 | 5117 | 1253 | 149.00 | 1.00 | 150.0000 | 0.00 |
| 354 | 1253 | 1905 | 90.00 | 1.00 | 150.0000 | 0.00 |
| 355 | 1905 | 2672 | 230.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 356 | 2672 | 680 | 720.00 | 1.00 | 150.0000 | 0.00 |
| 357 | 5116 | 676 | 184.00 | 4.00 | 150.0000 | 0.00 |
| 358 | 676 | 379 | 47.00 | 4.00 | 150.0000 | 0.00 |
| 359 | 379 | 694 | 539.00 | 4.00 | 150.0000 | 0.00 |
| 360 | 694 | 832 | 143.00 | 4.00 | 150.0000 | 0.00 |
| 361 | 832 | 5118 | 90.00 | 4.00 | 150.0000 | 0.00 |
| 362 | 5118 | 2715 | 212.00 | 4.00 | 150.0000 | 0.00 |
| 363 | 5114 | J-18 | 1911.00 | 6.00 | 150.0000 | 0.00 |
| 364 | 5118 | 7015 | 122.00 | 4.00 | 150.0000 | 0.00 |
| 365 | 7015 | 5119 | 227.00 | 4.00 | 150.0000 | 0.00 |
| 366 | 5119 | 5121 | 137.00 | 6.00 | 150.0000 | 0.00 |
| 368 | 5121 | 435 | 359.00 | 4.00 | 150.0000 | 0.00 |
| 369 | 435 | 2072 | 182.00 | 4.00 | 150.0000 | 0.00 |
| 370 | 5119 | 1403 | 174.00 | 6.00 | 150.0000 | 0.00 |
| 371 | 1403 | 1987 | 81.00 | 6.00 | 150.0000 | 0.00 |
| 372 | 1987 | 1986 | 26.00 | 6.00 | 150.0000 | 0.00 |
| 374 | 2062 | J-3 | 101.00 | 1.50 | 150.0000 | 0.00 |
| 375 | 1369 | 7412 | 20.00 | 1.50 | 150.0000 | 0.00 |
| 376 | 7412 | 1835 | 93.00 | 1.50 | 150.0000 | 0.00 |
| 377 | 1835 | 5122 | 110.00 | 1.50 | 150.0000 | 0.00 |
| 378 | 5122 | 1937 | 67.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 379 | 1937 | 1829 | 142.00 | 1.50 | | 0.00 |
| 380 | 1829 | 1973 | 317.00 | 1.50 | 150.0000 | 0.00 |
| 381 | 1973 | 2006 | 100.00 | 1.50 | 150.0000 | 0.00 |
| 382 | 2715 | 2628 | 153.00 | 4.00 | 150.0000 | 0.00 |
| 383 | 2628 | 378 | 81.00 | 4.00 | 150.0000 | 0.00 |
| 384 | 378 | 1635 | 116.00 | 4.00 | 150.0000 | 0.00 |
| 385 | 1635 | 187 | 103.00 | 4.00 | 150.0000 | 0.00 |
| 386 | 5132 | 583 | 130.00 | 1.50 | 150.0000 | 0.00 |
| 387 | 583 | 838 | 66.00 | 1.50 | 150.0000 | 0.00 |
| 388 | 5132 | 5131 | 396.00 | 6.00 | 150.0000 | 0.00 |

| 389 | 5131 | 5130 | 30.00 | 6.00 | 150.0000 | 0.00 |
|--------|------|------|--------|------|----------|------|
| 390 | 5130 | 5129 | 155.00 | 4.00 | 150.0000 | 0.00 |
| 391 | 5129 | 971 | 134.00 | 4.00 | 150.0000 | 0.00 |
| 392 | 971 | 7018 | 151.00 | 4.00 | | |
| | | | | | 150.0000 | 0.00 |
| 393 | 5129 | 5128 | 293.00 | 4.00 | 150.0000 | 0.00 |
| 394 | 5128 | 2414 | 108.00 | 1.50 | 150.0000 | 0.00 |
| 395 | 2414 | 928 | 226.00 | 1.50 | 150.0000 | 0.00 |
| 396 | 928 | 1413 | 102.00 | 1.50 | 150.0000 | 0.00 |
| 397 | 5128 | 1521 | 108.00 | 2.00 | 150.0000 | 0.00 |
| 398 | 1521 | 5125 | 238.00 | 2.00 | 150.0000 | 0.00 |
| 399 | 5125 | 1140 | 207.00 | 2.00 | 150.0000 | 0.00 |
| 400 | 1140 | 5124 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 401 | 5124 | 5123 | 114.00 | 2.00 | 150.0000 | 0.00 |
| 402 | 5123 | 455 | 87.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 403 | 5123 | 2232 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 404 | 455 | 2453 | 302.00 | 2.00 | 150.0000 | 0.00 |
| 405 | 2453 | 696 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 406 | 696 | 8064 | 258.00 | 2.00 | 150.0000 | 0.00 |
| 407 | 8064 | 7016 | 204.00 | 2.00 | 150.0000 | 0.00 |
| 408 | 7016 | 2276 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 409 | 5124 | 952 | 171.00 | 1.50 | 150.0000 | 0.00 |
| 410 | 952 | 2345 | 244.00 | 1.50 | 150.0000 | 0.00 |
| 411 | 5125 | 573 | 151.00 | 2.00 | 150.0000 | 0.00 |
| 412 | 573 | 575 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 413 | 575 | 5126 | 86.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 414 | 5126 | 2399 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 415 | 2399 | 2269 | 143.00 | 2.00 | 150.0000 | 0.00 |
| 416 | 5126 | 5127 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 417 | 5127 | 1571 | 89.00 | 2.00 | 150.0000 | 0.00 |
| 418 | 1571 | 7017 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 419 | 5127 | 2710 | 210.00 | 2.00 | 150.0000 | 0.00 |
| 420 | 2710 | 8069 | 64.00 | 2.00 | 150.0000 | 0.00 |
| 421 | 5119 | 5120 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 422 | 1986 | 5132 | 81.00 | 6.00 | 150.0000 | 0.00 |
| 423 | 5131 | 7019 | 201.00 | 2.00 | 150.0000 | 0.00 |
| 424 | 7019 | 7020 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 425 | 7020 | 7021 | 127.00 | 2.00 | 150.0000 | 0.00 |
| 426 | 7021 | 2356 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 427 | 2356 | 5133 | 156.00 | 2.00 | 150.0000 | 0.00 |
| 428 | 5133 | 1431 | 128.00 | 1.50 | 150.0000 | 0.00 |
| 429 | 1431 | 465 | 93.00 | 1.50 | 150.0000 | 0.00 |
| 430 | 465 | 5134 | 33.00 | 1.50 | 150.0000 | 0.00 |
| 431 | 5134 | 1811 | 55.00 | 1.50 | 150.0000 | 0.00 |
| 432 | 1811 | 1435 | 189.00 | 1.50 | 150.0000 | 0.00 |
| 433 | 1435 | 2118 | 61.00 | 1.50 | 150.0000 | 0.00 |
| | 5133 | 530 | 314.00 | 1.50 | 150.0000 | 0.00 |
| 434 | | | | | | |
| 435 | 530 | 1089 | 204.00 | 1.50 | 150.0000 | 0.00 |
| 436 | 1089 | 5135 | 304.00 | 1.50 | 150.0000 | 0.00 |
| 437 | 5135 | 579 | 705.00 | 1.50 | 150.0000 | 0.00 |
| 438 | 579 | 2694 | 20.00 | 1.50 | 150.0000 | 0.00 |
| 439 | 5130 | 2436 | 159.00 | 4.00 | 150.0000 | 0.00 |
| 440 | 2436 | 1351 | 302.00 | 4.00 | 150.0000 | 0.00 |
| 441 | 1351 | 2580 | 186.00 | 4.00 | 150.0000 | 0.00 |
| 442 | 2580 | 7022 | 322.00 | 4.00 | 150.0000 | 0.00 |
| 443 | 7022 | 1273 | 207.00 | 4.00 | 150.0000 | 0.00 |
| 444 | 1273 | 5136 | 87.00 | 4.00 | 150.0000 | 0.00 |
| 445 | 5136 | 5137 | 443.00 | 4.00 | 150.0000 | 0.00 |
| 446-XX | 5137 | 5138 | 23.00 | 4.00 | 150.0000 | 0.00 |
| 447 | 5138 | 1251 | 206.00 | 4.00 | 150.0000 | 0.00 |
| 448 | 1251 | 2679 | 99.00 | 4.00 | 150.0000 | 0.00 |
| | | | 95.00 | 2.00 | 150.0000 | 0.00 |
| 449 | 5138 | 189 | | | | |
| 450 | 189 | 398 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 451 | 398 | 1378 | 339.00 | 2.00 | 150.0000 | 0.00 |
| 452 | 5137 | 5139 | 307.00 | 2.00 | 150.0000 | 0.00 |
| 453 | 5139 | 5140 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 454 | 5140 | 1418 | 156.00 | 2.00 | 150.0000 | 0.00 |
| 455 | 5140 | 554 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 456 | 5140 | 452 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 457 | 5140 | 2223 | 102.00 | 2.00 | 150.0000 | 0.00 |
| 458 | 2223 | 1256 | 361.00 | 1.50 | 150.0000 | 0.00 |
| 459 | 1256 | 2217 | 271.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |

| 460 | 1378 | 1564 | 258.00 | 2.00 | 150.0000 | 0.00 |
|------------|----------------------|--------------|-------------------|--------------|----------------------|--------------|
| 461 | 1564 | 2521 | 1358.00 | 2.00 | 150.0000 | 0.00 |
| 462 | 2521 | 914 | 603.00 | 2.00 | 150.0000 | 0.00 |
| 463 | 1714 | 723 | 24.00 | 2.00 | 150.0000 | 0.00 |
| 464 | 914 | 1714 | 888.00 | 2.00 | 150.0000 | 0.00 |
| 465 | 8072 | 5141 | 1405.00 | 1.50 | 150.0000 | 0.00 |
| 466 | 5141 | 941 | 375.00 | 1.50 | 150.0000 | 0.00 |
| 467
468 | 941
723 | 1079
8072 | 31.00 | 1.50
2.00 | 150.0000 | 0.00 |
| 469 | 1079 | 5152 | 347.00
798.00 | 1.50 | 150.0000
150.0000 | 0.00 |
| 470 | 1529 | 1756 | 64.00 | 1.50 | 150.0000 | 0.00 |
| 471 | 5152 | 1069 | 191.00 | 1.50 | 150.0000 | 0.00 |
| 472 | 1069 | 5153 | 1098.00 | 1.50 | 150.0000 | 0.00 |
| 473 | 2324 | 2115 | 10.00 | 1.50 | 150.0000 | 0.00 |
| 474 | 5153 | 965 | 249.00 | 1.50 | 150.0000 | 0.00 |
| 475 | 452 | 7023 | 388.00 | 2.00 | 150.0000 | 0.00 |
| 476 | 7023 | 5143 | 389.00 | 2.00 | 150.0000 | 0.00 |
| 477 | 5143 | 1202 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 478 | 1202 | 5144 | 71.00 | 2.00 | 150.0000 | 0.00 |
| 479 | 5144 | 5151 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 480
481 | 1285
5144 | 1414
2052 | 80.00
153.00 | 2.00 | 150.0000
150.0000 | 0.00 |
| 482 | 2052 | 2724 | 271.00 | 2.00 | 150.0000 | 0.00 |
| 483 | 5136 | 5145 | 20.00 | 4.00 | 150.0000 | 0.00 |
| 484 | 5145 | 7024 | 238.00 | 2.00 | 150.0000 | 0.00 |
| 485 | 7024 | 2706 | 353.00 | 2.00 | 150.0000 | 0.00 |
| 486 | 5145 | 1258 | 213.00 | 4.00 | 150.0000 | 0.00 |
| 487 | 1258 | 1595 | 215.00 | 4.00 | 150.0000 | 0.00 |
| 488 | 5149 | 5146 | 330.00 | 4.00 | 150.0000 | 0.00 |
| 489 | 5148 | 7026 | 425.00 | 4.00 | 150.0000 | 0.00 |
| 490 | 7026 | 1717 | 255.00 | 4.00 | 150.0000 | 0.00 |
| 491 | 1717 | 5147 | 217.00 | 4.00 | 150.0000 | 0.00 |
| 492
493 | 5147 | 2341
2459 | 451.00 | 2.00 | 150.0000 | 0.00 |
| 494 | 2341
2459 | 1367 | 705.00
171.00 | 1.50
1.50 | 150.0000
150.0000 | 0.00 |
| 495 | 1367 | 1320 | 815.00 | 1.50 | 150.0000 | 0.00 |
| 496 | 5147 | 7027 | 86.00 | 1.50 | 150.0000 | 0.00 |
| 497 | 7027 | 2244 | 28.00 | 1.50 | 150.0000 | 0.00 |
| 498 | 2244 | 673 | 418.00 | 1.50 | 150.0000 | 0.00 |
| 499 | 673 | 1553 | 120.00 | 1.50 | 150.0000 | 0.00 |
| 500 | 412 | 1553 | 52.00 | 1.50 | 150.0000 | 0.00 |
| 501 | 412 | 454 | 127.00 | 1.50 | 150.0000 | 0.00 |
| 502 | 454 | 439 | 571.00 | 1.50 | 150.0000 | 0.00 |
| 503 | 439 | 1090 | 299.00 | 1.50 | 150.0000
150.0000 | 0.00 |
| 504
505 | 5 146
1595 | 5148
5149 | 554.00
74.00 | 4.00
4.00 | 150.0000 | 0.00 |
| 506 | 7025 | 581 | 256.00 | 4.00 | 150.0000 | 0.00 |
| 507 | 5149 | 7025 | 86.00 | 4.00 | 150.0000 | 0.00 |
| 508 | 7025 | 1130 | 824.00 | 4.00 | 150.0000 | 0.00 |
| 509 | 1130 | 2633 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 510 | 5148 | 1576 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 511 | 5148 | 5150 | 86.00 | 4.00 | 150.0000 | 0.00 |
| 512 | 5150 | 873 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 513 | 5150 | 750 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 514 | 5150 | 8005 | 220.00 | 4.00 | 150.0000 | 0.00 |
| 515 | 5147 | 1002
2444 | 25.00
334.00 | 4.00
2.00 | 150.0000
150.0000 | 0.00
0.00 |
| 516
517 | 5138
5334 | 1436 | 165.00 | 2.00 | 150.0000 | 0.00 |
| 518 | 5151 | 1285 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 519 | 5152 | 1529 | 471.00 | 1.50 | 150.0000 | 0.00 |
| 521 | 5153 | 2324 | 130.00 | 1.50 | 150.0000 | 0.00 |
| 522 | 1294 | 2427 | 464.00 | 2.00 | 150.0000 | 0.00 |
| 523 | 2427 | 1940 | 739.00 | 2.00 | 150.0000 | 0.00 |
| 524 | 1940 | 732 | 1522.00 | 2.00 | 150.0000 | 0.00 |
| 525 | 732 | 5142 | 1660.00 | 2.00 | 150.0000 | 0.00 |
| 526 | 5142 | 5154 | 867.00 | 2.00 | 150.0000 | 0.00 |
| 527 | 5154 | 5155 | 1361.00 | 2.50 | 150.0000 | 0.00 |
| 528 | 5155 | 155 | 786.00 | 2.00 | 150.0000 | 0.00 |
| 529
530 | 5155
748 | 748
5156 | 1039.00
927.00 | 2.50
2.50 | 150.0000
150.0000 | 0.00
0.00 |
| 530
531 | 748
5156 | 1488 | 1742.00 | 3.00 | 150.0000 | 0.00 |
| JJ 1 | 3130 | | 1,14.00 | 2.00 | | |

| 532 | 1488 | 5157 | 512.00 | 3.00 | 150.0000 | 0.00 |
|-------------|------|------|---------|------|----------|------|
| 533 | 5157 | 1391 | 92.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 534 | 1391 | 1275 | 1586.00 | 3.00 | 150.0000 | 0.00 |
| 535 | 1275 | 1153 | 2341.00 | 3.00 | 150.0000 | 0.00 |
| 536 | 1153 | 1957 | 2563.00 | 3.00 | 150.0000 | 0.00 |
| 537 | 1957 | 206 | 329.00 | 3.00 | 150,0000 | 0.00 |
| 538 | 206 | 1317 | 453.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 539 | 1317 | 2222 | 597.00 | 3.00 | 150.0000 | 0.00 |
| 540 | 2222 | 853 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 541 | 853 | 5158 | 2475,00 | 3.00 | 150.0000 | 0.00 |
| 542 | 5158 | 5159 | 231.00 | 2.00 | 150.0000 | 0.00 |
| 543 | 5159 | 5160 | 1303.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 544 | 5158 | 747 | 487.00 | 3.00 | 150.0000 | 0.00 |
| 545 | 747 | 1244 | 604.00 | 3.00 | 150.0000 | 0.00 |
| 546 | 1244 | 5161 | 1625.00 | 3.00 | 150.0000 | 0.00 |
| 547 | 5161 | 5162 | 3578.00 | 3.00 | 150.0000 | 0.00 |
| 548 | 5162 | 697 | 1399.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 549 | 697 | 618 | 1586.00 | 2.00 | 150.0000 | 0.00 |
| 550 | 618 | 1651 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 551 | 5162 | 1380 | 403.00 | 4.00 | 150.0000 | 0.00 |
| 552 | 1380 | 185 | 1655.00 | 4.00 | 150.0000 | 0.00 |
| 553 | 185 | 1323 | 901.00 | 4.00 | 150.0000 | 0.00 |
| 554 | 1323 | 5163 | 1442.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 555 | 5163 | 5164 | 1889.00 | 4.00 | 150.0000 | 0.00 |
| 556 | 5164 | 890 | 1012.00 | 4.00 | 150.0000 | 0.00 |
| 557 | 890 | 5165 | 4013.00 | 4.00 | 150.0000 | 0.00 |
| 558 | 5165 | 5166 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 559 | 5166 | 5167 | 293.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 560 | 5166 | 5168 | 596.00 | 2.00 | 150.0000 | 0.00 |
| 561 | 5166 | 5169 | 859.00 | 6.00 | 150.0000 | 0.00 |
| 562 | 5169 | 5170 | 790.00 | 6.00 | 150.0000 | 0.00 |
| 563 | 5170 | 984 | 3012.00 | 6.00 | 150.0000 | 0.00 |
| 564 | 984 | 620 | 270.00 | 6.00 | 150.0000 | 0.00 |
| 565 | 620 | 5171 | 105.00 | 6.00 | 150.0000 | 0.00 |
| | | | 2172.00 | 4.00 | 150.0000 | |
| 566 | 5165 | 1387 | | | | 0.00 |
| 567 | 1387 | 1388 | 90.00 | 4.00 | 150.0000 | 0.00 |
| 568 | 1388 | 1689 | 350.00 | 4.00 | 150.0000 | 0.00 |
| 569 | 1689 | 5172 | 140.00 | 4.00 | 150.0000 | 0.00 |
| 570 | 5172 | 112 | 130.00 | 1.00 | 150.0000 | 0.00 |
| 571 | 112 | 1681 | 146.00 | 1.00 | 150.0000 | 0.00 |
| 572 | 1681 | 1818 | 95.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 573 | 5173 | 1959 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 574 | 5174 | 5175 | 1239.00 | 2.00 | 150.0000 | 0.00 |
| 575 | 5174 | 672 | 363.00 | 4.00 | 150.0000 | 0.00 |
| 576 | 672 | 2253 | 252.00 | 4.00 | 150.0000 | 0.00 |
| 57 7 | 5173 | 5174 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 578 | 5172 | 5173 | 2412.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 579 | 2253 | 5176 | 179.00 | 4.00 | 150.0000 | 0.00 |
| 580 | 5176 | 1427 | 378.00 | 2.00 | 150.0000 | 0.00 |
| 581 | 1427 | 1408 | 131.00 | 2.00 | 150.0000 | 0.00 |
| 582 | 1408 | 5177 | 491.00 | 2.00 | 150.0000 | 0.00 |
| 583 | 5177 | 656 | 25.00 | 2.00 | 150.0000 | 0.00 |
| | | 651 | 55.00 | 2.00 | 150.0000 | |
| 584 | 5177 | | | | | 0.00 |
| 585 | 5177 | 1383 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 586 | 1383 | 1504 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 587 | 1504 | 1382 | 1350.00 | 2.00 | 150.0000 | 0.00 |
| 588 | 1382 | 2247 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 589 | 2247 | 7028 | 1779.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 590 | 7028 | 1189 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 591 | 5176 | 5179 | 32.00 | 4.00 | 150.0000 | 0.00 |
| 592 | 5179 | 5178 | 1426.00 | 2.00 | 150.0000 | 0.00 |
| 593 | 5179 | 728 | 356.00 | 4.00 | 150.0000 | 0.00 |
| 594 | 728 | 5180 | 633.00 | 4.00 | 150.0000 | 0.00 |
| | 5180 | 5181 | 439.00 | 2.00 | 150.0000 | 0.00 |
| 595 | | | | | | |
| 596 | 5180 | 5182 | 396.00 | 4.00 | 150.0000 | 0.00 |
| 597 | 5182 | 267 | 1400.00 | 2.00 | 150.0000 | 0.00 |
| 598 | 267 | 1906 | 57.00 | 2.00 | 150.0000 | 0.00 |
| 599 | 1906 | 2190 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 600 | 5182 | 5183 | 384.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 601 | 5183 | 5184 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 602 | 5184 | 1745 | 50.00 | 2.00 | 150.0000 | 0.00 |

| 603 | 1745 | 406 | 391.00 | 1.00 | 150.0000 | 0.00 |
|-----|------|------|---------|------|----------|------|
| 604 | 406 | 2228 | 549.00 | 1.00 | 150.0000 | 0.00 |
| 605 | 5183 | 81 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 606 | 5184 | 5185 | 776.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 607 | 5185 | 5186 | 11.00 | 2.50 | 150.0000 | 0.00 |
| 608 | 5185 | 7029 | 147.00 | 2.00 | 150.0000 | 0.00 |
| 609 | 7029 | 933 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 610 | 933 | 5187 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 611 | 5187 | 1201 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 612 | 1201 | 94 | 456.00 | 2.00 | 150.0000 | 0.00 |
| 613 | 5187 | 742 | 501.00 | 2.00 | 150.0000 | 0.00 |
| 614 | 5186 | 2578 | 391.00 | 2.50 | 150.0000 | 0.00 |
| 615 | 5185 | 5188 | 893.00 | 4.00 | 150.0000 | 0.00 |
| 616 | 5188 | 7030 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 617 | 7030 | 294 | 385.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 618 | 2578 | 1364 | 965.00 | 2.50 | 150.0000 | 0.00 |
| 619 | 1364 | 5189 | 787.00 | 2.50 | 150.0000 | 0.00 |
| 620 | 5188 | 502 | 1170.00 | 4.00 | 150.0000 | 0.00 |
| 621 | 1205 | 688 | 604.00 | 2.00 | 150.0000 | 0.00 |
| 622 | 688 | 5190 | 336.00 | 2.00 | 150.0000 | 0.00 |
| 623 | 5189 | 1684 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 624 | 1684 | 1685 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 625 | 1685 | 234 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 626 | 234 | 565 | 280.00 | 2.00 | 150.0000 | 0.00 |
| 627 | 5189 | 1205 | 54.00 | 2.00 | 150.0000 | 0.00 |
| 628 | 502 | 7031 | 2258.00 | 4.00 | 150.0000 | 0.00 |
| 629 | 7031 | 1744 | | 4.00 | 150.0000 | 0.00 |
| | | | 187.00 | | | |
| 630 | 1744 | 1774 | 804.00 | 4.00 | 150.0000 | 0.00 |
| 631 | 1774 | 2091 | 722.00 | 4.00 | 150.0000 | 0.00 |
| 632 | 5192 | 5191 | 155.00 | 4.00 | 150.0000 | 0.00 |
| 633 | 5191 | 2091 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 634 | 5191 | 7032 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 635 | 5192 | 5193 | 1550.00 | 4.00 | 150.0000 | 0.00 |
| 636 | 5193 | 1752 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 637 | 1752 | 2426 | 74.00 | 2.00 | 150.0000 | 0.00 |
| 638 | 2426 | 1751 | 61.00 | 2.00 | 150.0000 | 0.00 |
| 639 | 5193 | 5194 | 9361.00 | 4.00 | 150.0000 | 0.00 |
| 640 | 5194 | 5195 | 71.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 641 | 5194 | 2490 | 1961.00 | 2.50 | 150.0000 | 0.00 |
| 642 | 2490 | 1747 | 173.00 | 2.50 | 150.0000 | 0.00 |
| 643 | 1747 | 5196 | 994.00 | 2.00 | 150.0000 | 0.00 |
| 644 | 5196 | 5197 | 81.00 | 2.00 | 150.0000 | 0.00 |
| 645 | 5197 | 1291 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 646 | 5197 | 7033 | 122.00 | 2.00 | 150.0000 | 0.00 |
| 647 | 5196 | 1741 | 447.00 | 2.00 | 150.0000 | 0.00 |
| 648 | 1741 | 653 | 1513.00 | 2.00 | 150.0000 | 0.00 |
| 649 | 653 | 1755 | 588.00 | 2.00 | 150.0000 | 0.00 |
| 650 | 5195 | 2688 | 558.00 | 3.00 | 150.0000 | 0.00 |
| 651 | 2688 | 1749 | 632.00 | 3.00 | 150.0000 | 0.00 |
| | | | 1083.00 | | 150.0000 | |
| 652 | 1749 | 1748 | | 3.00 | | 0.00 |
| 653 | 1748 | 5198 | 2213.00 | 3.00 | 150.0000 | 0.00 |
| 654 | 5198 | 1740 | 447.00 | 3.00 | 150.0000 | 0.00 |
| 655 | 1740 | 1742 | 600.00 | 3.00 | 150.0000 | 0.00 |
| 656 | 1742 | 5199 | 394.00 | 3.00 | 150.0000 | 0.00 |
| 657 | 5199 | 1753 | 79.00 | 2.00 | 150.0000 | 0.00 |
| 658 | 5200 | 1762 | 778.00 | 2.50 | 150.0000 | 0.00 |
| 659 | 1762 | 1763 | 30.00 | 2.50 | 150.0000 | 0.00 |
| 660 | 1763 | 1760 | 209.00 | 2.50 | 150.0000 | 0.00 |
| 661 | 1760 | 701 | 109.00 | 2.50 | 150.0000 | 0.00 |
| 662 | 701 | 1750 | 893.00 | 2.50 | 150.0000 | 0.00 |
| 663 | 5199 | 5200 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 664 | | | 316.00 | 3.00 | 150.0000 | 0.00 |
| | 5200 | 1761 | | | | |
| 665 | 1761 | 5201 | 962.00 | 3.00 | 150.0000 | 0.00 |
| 666 | 5201 | 5202 | 293.00 | 2.00 | 150.0000 | 0.00 |
| 667 | 5202 | 1758 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 668 | 1758 | 1780 | 196.00 | 2.00 | 150.0000 | 0.00 |
| 669 | 1780 | 5203 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 670 | 5203 | 1759 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 671 | 5203 | 2305 | 368.00 | 2.00 | 150.0000 | 0.00 |
| 672 | 2305 | 5204 | 105.00 | 2.00 | 150.0000 | 0.00 |
| 673 | 1759 | 923 | 231.00 | 2.00 | 150.0000 | 0.00 |
| | 2.03 | | 00 | | | |

| 674 | 923 | 1243 | 32.00 | 2.00 | 150.0000 | 0.00 |
|--------|------|------|---------|------|----------|------|
| 675 | 1243 | 2551 | 163.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 676 | 2551 | 134 | 181.00 | 2.00 | 150.0000 | 0.00 |
| 677 | 134 | 272 | 106.00 | 2.00 | 150.0000 | 0.00 |
| 678 | 272 | 5204 | 69.00 | 2.00 | 150.0000 | 0.00 |
| 679 | 5204 | 5205 | 304.00 | 2.00 | 150.0000 | 0.00 |
| 680 | 5205 | 109 | 157.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 681 | 109 | 615 | 169.00 | 2.00 | 150.0000 | 0.00 |
| 682 | 5202 | 2127 | 389.00 | 2.00 | 150.0000 | 0.00 |
| 683 | 2127 | 482 | 182.00 | 2.00 | 150.0000 | 0.00 |
| 684 | 5190 | 310 | 1056.00 | 2.00 | 150.0000 | 0.00 |
| 685 | 310 | 2089 | 634.00 | 2.00 | 150.0000 | 0.00 |
| 686 | 2089 | 1964 | 497.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 687 | 1964 | 312 | 318.00 | 2.00 | 150.0000 | 0.00 |
| 688 | 312 | 309 | 521.00 | 2.00 | 150.0000 | 0.00 |
| 689 | 1060 | 5207 | 944.00 | 4.00 | 150.0000 | 0.00 |
| 690 | 5207 | 237 | 776.00 | 2.00 | 150.0000 | 0.00 |
| 691 | 237 | 1939 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 692 | 1939 | 369 | 320.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 693 | 975 | 641 | 931.00 | 2.00 | 150.0000 | 0.00 |
| 694 | 5033 | 1293 | 115.00 | 6.00 | 150.0000 | 0.00 |
| 695 | 5033 | J-11 | 343.00 | 6.00 | 150.0000 | 0.00 |
| 697 | 5207 | 8024 | 369.00 | 4.00 | 150.0000 | 0.00 |
| 698 | 8024 | 1228 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 699 | 1228 | 2219 | 781.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 700 | 2219 | 5209 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 701 | 5209 | 691 | 210.00 | 1.50 | 150.0000 | 0.00 |
| 702 | 691 | 717 | 252.00 | 1.50 | 150.0000 | 0.00 |
| 703 | 717 | 1971 | 100.00 | 1.50 | 150.0000 | 0.00 |
| 704 | 1971 | 1084 | 410.00 | 1.50 | 150.0000 | 0.00 |
| 705 | 1084 | 2680 | 102.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 706 | 2680 | 1815 | 97.00 | 1.50 | 150.0000 | 0.00 |
| 707 | 5210 | 5211 | 50.00 | 1.50 | 150.0000 | 0.00 |
| 708 | 5209 | 5210 | 749.00 | 2.00 | 150.0000 | 0.00 |
| 709 | 5210 | 807 | 60.00 | 1.50 | 150.0000 | 0.00 |
| 710 | 5211 | 374 | 280.00 | 1.00 | 150.0000 | 0.00 |
| 711 | 5211 | 831 | 60.00 | 1.50 | 150.0000 | 0.00 |
| 712 | 807 | 830 | 220.00 | 1.50 | | |
| | | | | | 150.0000 | 0.00 |
| 713 | 831 | 1913 | 220.00 | 1.50 | 150.0000 | 0.00 |
| 714 | 830 | 7034 | 867.00 | 1.50 | 150.0000 | 0.00 |
| 715 | 1913 | 1805 | 840.00 | 1.50 | 150.0000 | 0.00 |
| 716 | 7034 | 1703 | 404.00 | 1.50 | 150.0000 | 0.00 |
| 717 | 1703 | 7 | 100.00 | 3.00 | 150.0000 | 0.00 |
| 718 | 1805 | 1065 | 740.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 719 | 1065 | 1555 | 160.00 | 1.00 | 150.0000 | 0.00 |
| 720-XX | 1555 | 5212 | 1479.00 | 2.00 | 150.0000 | 0.00 |
| 721 | 5214 | 5213 | 616.00 | 2.00 | 150.0000 | 0.00 |
| 722 | 5213 | 5212 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 723 | 5212 | 2289 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 724 | 5213 | 2592 | 174.00 | 2.00 | 150.0000 | 0.00 |
| 725 | 2592 | 271 | 550.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 726 | 271 | 5215 | 2668.00 | 2.00 | 150.0000 | 0.00 |
| 727 | 5215 | 260 | 2013.00 | 2.00 | 150.0000 | 0.00 |
| 728 | 5215 | 1831 | 2303.00 | 2.50 | 150.0000 | 0.00 |
| 729 | 260 | 1992 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 730 | 1992 | 1837 | 229.00 | 2.00 | 150.0000 | 0.00 |
| | 1831 | 1647 | 758,00 | 2.50 | 150.0000 | 0.00 |
| 731 | | | | | | |
| 732 | 1647 | 1645 | 101.00 | 2.50 | 150.0000 | 0.00 |
| 733 | 1645 | 1922 | 139.00 | 2.50 | 150.0000 | 0.00 |
| 734 | 1922 | 2696 | 911.00 | 2.50 | 150.0000 | 0.00 |
| 735 | 2696 | 5216 | 462.00 | 2.50 | 150.0000 | 0.00 |
| 736 | 5216 | 2063 | 249.00 | 2.00 | 150.0000 | 0.00 |
| 737 | 2063 | 679 | 284.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 738 | 679 | 2520 | 407.00 | 2.00 | 150.0000 | 0.00 |
| 739 | 2520 | 1355 | 237.00 | 2.00 | 150.0000 | 0.00 |
| 740 | 1355 | 2400 | 380.00 | 2.00 | 150.0000 | 0.00 |
| 741 | 5216 | 2412 | 524.00 | 3.00 | 150.0000 | 0.00 |
| 742 | 2412 | 543 | 62.00 | 3.00 | 150.0000 | 0.00 |
| 743 | 543 | 2403 | 363.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 744 | 5217 | 348 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 745 | 348 | 305 | 73.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 746 | 305 | 1509 | 367.00 | 2.00 | 150.0000 | 0.00 |
|-----|--------------|------|------------------|------|----------|------|
| 747 | 1509 | 1009 | 812.00 | 2.00 | 150.0000 | 0.00 |
| 748 | 1009 | 996 | 107.00 | 2.00 | 150.0000 | 0.00 |
| 749 | 996 | 313 | 633.00 | 2.00 | 150.0000 | 0.00 |
| 750 | 313 | 1904 | | 2.00 | | |
| | | | 62.00 | | 150.0000 | 0.00 |
| 751 | 1904 | 1557 | 705.00 | 2.00 | 150.0000 | 0.00 |
| 752 | 1557 | 537 | 249.00 | 2.00 | 150.0000 | 0.00 |
| 753 | 537 | 1544 | 597.00 | 2.00 | 150.0000 | 0.00 |
| 754 | 1544 | 2262 | 481.00 | 2.00 | 150.0000 | 0.00 |
| 755 | 2262 | 1908 | 133.00 | 2.00 | 150.0000 | 0.00 |
| 756 | 1908 | 1738 | 5.00 | 2.00 | 150.0000 | 0.00 |
| 757 | 1738 | 2121 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 758 | 2121 | 396 | 897.00 | 2.00 | 150.0000 | 0.00 |
| 759 | 396 | 518 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 760 | 518 | 1597 | 190.00 | 2.00 | 150.0000 | 0.00 |
| 761 | 2403 | 5217 | 45.00 | 3.00 | 150.0000 | 0.00 |
| 762 | 5217 | 5218 | 125.00 | 3.00 | 150.0000 | 0.00 |
| 765 | 7035 | 2229 | 114.00 | 6.00 | 150.0000 | 0.00 |
| 766 | 536 | 2229 | 240.00 | 6.00 | 150.0000 | 0.00 |
| 767 | 536 | 2290 | 951.00 | 6.00 | 150.0000 | 0.00 |
| | 1461 | 2290 | | | | |
| 768 | | | 30.00 | 6.00 | 150.0000 | 0.00 |
| 769 | 1677 | 1461 | 120.00 | 6.00 | 150.0000 | 0.00 |
| 770 | 10 | 1677 | 202.00 | 6.00 | 150.0000 | 0.00 |
| 771 | 79 | 10 | 531.00 | 6.00 | 150.0000 | 0.00 |
| 772 | 1613 | 79 | 917.00 | 6.00 | 150.0000 | 0.00 |
| 773 | 2278 | 1613 | 657.00 | 6.00 | 150.0000 | 0.00 |
| 774 | 96 | 2278 | 71.00 | 6.00 | 150.0000 | 0.00 |
| 775 | 5219 | 96 | 407.00 | 6.00 | 150.0000 | 0.00 |
| 776 | 5219 | 5220 | 1323.00 | 2.00 | 150.0000 | 0.00 |
| 778 | 5221 | 55 | 239.00 | 6.00 | 150.0000 | 0.00 |
| 779 | 55 | 8073 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 780 | 8073 | 1334 | 1282.00 | 6.00 | 150.0000 | 0.00 |
| 781 | 1334 | 450 | 360.00 | 6.00 | 150.0000 | 0.00 |
| 782 | 450 | 156 | 204.00 | 6.00 | 150.0000 | 0.00 |
| 783 | 156 | 1152 | 520.00 | 6.00 | 150.0000 | 0.00 |
| 784 | 1152 | 1713 | 584.00 | 6.00 | 150.0000 | 0.00 |
| 785 | 1713 | 218 | 520.00 | 6.00 | 150.0000 | 0.00 |
| 786 | 218 | 885 | 456.00 | 6.00 | 150.0000 | 0.00 |
| 787 | 885 | 2101 | 1970.00 | 6.00 | 150.0000 | 0.00 |
| 788 | 2101 | 7036 | 542.00 | 6.00 | 150.0000 | 0.00 |
| 789 | 7036 | 1411 | 1075.00 | 6.00 | 150.0000 | 0.00 |
| | 1411 | 136 | | 6.00 | | |
| 790 | | | 348.00
701.00 | | 150.0000 | 0.00 |
| 791 | 136 | 1699 | | 6.00 | 150.0000 | 0.00 |
| 792 | 1699 | 1206 | 25.00 | 6.00 | 150.0000 | 0.00 |
| 793 | 1206 | 1549 | 342.00 | 6.00 | 150.0000 | 0.00 |
| 794 | 1549 | 2109 | 3265.00 | 6.00 | 150.0000 | 0.00 |
| 795 | 2109 | 740 | 170.00 | 6.00 | 150.0000 | 0.00 |
| 796 | 740 | 8002 | 270.00 | 6.00 | 150.0000 | 0.00 |
| 797 | 8002 | 5222 | 381.00 | 6.00 | 150.0000 | 0.00 |
| 798 | 5222 | 1661 | 479.00 | 6.00 | 150.0000 | 0.00 |
| 799 | 1661 | 5223 | 25.00 | 6.00 | 150.0000 | 0.00 |
| 800 | 5223 | 5224 | 30.00 | 6.00 | 150.0000 | 0.00 |
| 801 | 5224 | 1163 | 60.00 | 6.00 | 150.0000 | 0.00 |
| 802 | 1163 | 377 | 56.00 | 6.00 | 150.0000 | 0.00 |
| 803 | 377 | 1938 | 562.00 | 6.00 | 150.0000 | 0.00 |
| 804 | 1938 | 5171 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 805 | 5171 | 2343 | 297.00 | 4.00 | 150.0000 | 0.00 |
| 806 | 2343 | 1263 | 237.00 | 4.00 | 150.0000 | 0.00 |
| 807 | 5223 | 32 | 145.00 | 4.00 | 150.0000 | 0.00 |
| 808 | 32 | 5225 | 455.00 | 4.00 | 150.0000 | 0.00 |
| | 5225 | 169 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 809 | | | | | | |
| 810 | 5225
5336 | 5226 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 811 | 5226 | 1116 | 186.00 | 4.00 | 150.0000 | 0.00 |
| 812 | 5225 | 1098 | 261.00 | 2.00 | 150.0000 | 0.00 |
| 813 | 1116 | 1012 | 493.00 | 4.00 | 150.0000 | 0.00 |
| 814 | 1012 | 1120 | 270.00 | 4.00 | 150.0000 | 0.00 |
| 815 | 1122 | 1120 | 220.00 | 4.00 | 150.0000 | 0.00 |
| 816 | 1122 | 1896 | 372.00 | 4.00 | 150.0000 | 0.00 |
| 817 | 1896 | 1097 | 172.00 | 4.00 | 150.0000 | 0.00 |
| 818 | 5228 | 2712 | 84.00 | 4.00 | 150.0000 | 0.00 |
| 819 | 2641 | 2712 | 190.00 | 4.00 | 150.0000 | 0.00 |

| 820 | 2641 | 2522 | 145.00 | 4.00 | 150.0000 | 0.00 |
|-----|------|-------------|---------|------|----------|------|
| 821 | 2522 | 678 | 243.00 | 4.00 | 150.0000 | 0.00 |
| 822 | 678 | 5227 | 88.00 | 4.00 | 150.0000 | 0.00 |
| 823 | 1097 | 5228 | 30.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 824 | 5227 | 5229 | 110.00 | 4.00 | 150.0000 | 0.00 |
| 825 | 5227 | 1198 | 1037.00 | 2.00 | 150.0000 | 0.00 |
| 826 | 5229 | 327 | 1357.00 | 4.00 | 150.0000 | 0.00 |
| 827 | 5230 | 2408 | 1192.00 | 2.00 | 150.0000 | 0.00 |
| 828 | 2408 | 1338 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 829 | 1338 | 2003 | 382.00 | 2.00 | 150.0000 | 0.00 |
| 830 | 2003 | 8007 | 180.00 | 2.00 | 150.0000 | 0.00 |
| 831 | 8006 | 5231 | 2766.00 | 4.00 | 150.0000 | 0.00 |
| 832 | 5231 | 749 | 1252.00 | 4.00 | 150.0000 | 0.00 |
| 833 | 749 | 1533 | 300.00 | 4.00 | 150.0000 | 0.00 |
| 834 | 1533 | 1295 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 835 | 1295 | 5232 | 240.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 836 | 5232 | 1299 | 109.00 | 2.50 | 150.0000 | 0.00 |
| 837 | 1299 | 1374 | 465.00 | 2.50 | 150.0000 | 0.00 |
| 838 | 1374 | 1577 | 480.00 | 2.50 | 150.0000 | 0.00 |
| 839 | 1577 | 1660 | 584.00 | 2.50 | 150.0000 | 0.00 |
| 840 | 1660 | 1662 | 954.00 | 2.50 | 150.0000 | 0.00 |
| 841 | 1662 | 5233 | 151.00 | 2.50 | 150.0000 | 0.00 |
| 842 | 5233 | 1838 | 242.00 | 2.00 | 150.0000 | 0.00 |
| 843 | 1838 | 1914 | 72.00 | 2.00 | 150.0000 | 0.00 |
| 844 | 1914 | 476 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 845 | 476 | 2328 | 808.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 846 | 2328 | 2317 | 181.00 | 2.00 | 150.0000 | 0.00 |
| 847 | 2317 | 2372 | 608.00 | 2.00 | 150.0000 | 0.00 |
| 848 | 2372 | 1322 | 2110.00 | 2.00 | 150.0000 | 0.00 |
| 849 | 5233 | 2602 | 369.00 | 2.00 | 150.0000 | 0.00 |
| 850 | 2602 | 36 | 302.00 | 2.00 | 150.0000 | 0.00 |
| 851 | 36 | 26 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 852 | 26 | 8008 | 554.00 | 2.00 | 150.0000 | 0.00 |
| 853 | 8008 | 5234 | 2434.00 | 2.00 | 150.0000 | 0.00 |
| 854 | 5234 | 14 | 298.00 | 2.00 | 150.0000 | 0.00 |
| 855 | 14 | 1622 | 462.00 | 2.00 | 150.0000 | 0.00 |
| 856 | 5234 | 1624 | 518.00 | 2.00 | 150.0000 | 0.00 |
| 857 | 1624 | 1623 | 352.00 | 2.00 | 150.0000 | 0.00 |
| 858 | 5219 | 5235 | 3739.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 859 | 5235 | 1277 | 904.00 | 2.00 | 150.0000 | 0.00 |
| 860 | 1277 | 5236 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 861 | 5236 | 1700 | 380.00 | 1.00 | 150.0000 | 0.00 |
| 862 | 5236 | 773 | 414.00 | 2.00 | 150.0000 | 0.00 |
| 863 | 1192 | 5235 | 1463.00 | 6.00 | 150.0000 | 0.00 |
| 864 | 2479 | 1192 | 108.00 | 6.00 | 150.0000 | 0.00 |
| 865 | 1144 | 2479 | 523.00 | 6.00 | 150.0000 | 0.00 |
| 866 | 2259 | 1144 | 1559.00 | 6.00 | 150.0000 | 0.00 |
| 867 | 5237 | 2259 | 1478.00 | 6.00 | 150.0000 | 0.00 |
| 868 | 5237 | 1960 | 1569.00 | 2.00 | 150.0000 | 0.00 |
| 869 | 1960 | 1318 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 870 | 1318 | 258 | 182.00 | 2.00 | 150.0000 | 0.00 |
| | 258 | 800 | 111.00 | 2.00 | 150.0000 | 0.00 |
| 871 | | | | | | |
| 872 | 5237 | 2081 | 315.00 | 2.00 | 150.0000 | 0.00 |
| 873 | 2081 | 2454 | 317.00 | 2.00 | 150.0000 | 0.00 |
| 874 | 2454 | 616 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 875 | 616 | 5238 | 518.00 | 2.00 | 150.0000 | 0.00 |
| 876 | 2387 | 5237 | 66.00 | 6.00 | 150.0000 | 0.00 |
| 877 | 5239 | 2387 | 2023.00 | 6.00 | 150.0000 | 0.00 |
| 878 | 1207 | 5239 | 747.00 | 6.00 | 150.0000 | 0.00 |
| 879 | 349 | 1207 | 1061.00 | 6.00 | 150.0000 | 0.00 |
| 880 | 1070 | 349 | 309.00 | 6.00 | 150.0000 | 0.00 |
| 881 | 5240 | 1070 | 124.00 | 6.00 | 150.0000 | 0.00 |
| | | | 5062.00 | 3.00 | 150.0000 | 0.00 |
| 882 | 5240 | 763
5240 | | | | |
| 883 | 8050 | 5240 | 198.00 | 6.00 | 150.0000 | 0.00 |
| 884 | 2166 | 8050 | 141.00 | 6.00 | 150.0000 | 0.00 |
| 885 | 1552 | 2166 | 682.00 | 6.00 | 150.0000 | 0.00 |
| 886 | 2485 | 1552 | 449.00 | 6.00 | 150.0000 | 0.00 |
| 887 | 2485 | 2460 | 180.00 | 6.00 | 150.0000 | 0.00 |
| 888 | 2460 | 5241 | 1298.00 | 6.00 | 150.0000 | 0.00 |
| 889 | 5241 | 1312 | 72.00 | 6.00 | 150.0000 | 0.00 |
| 890 | 1312 | 1073 | 2330.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |

| 891 | 1073 | 1373 | 358.00 | 6.00 | 150.0000 | 0.00 |
|-----|------|------|---------|------|----------|------|
| 892 | 1373 | 1608 | 45.00 | 6.00 | 150.0000 | 0.00 |
| 893 | 1608 | 5242 | 210.00 | 6.00 | 150.0000 | 0.00 |
| 894 | 5242 | 5243 | 266.00 | 2.00 | 150.0000 | 0.00 |
| 895 | 5243 | 2362 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 896 | 5242 | 2606 | 166.00 | 6.00 | 150.0000 | 0.00 |
| 897 | 2606 | 2593 | 401.00 | 6.00 | 150.0000 | 0.00 |
| 898 | 5244 | 339 | 1319.00 | 2.00 | 150.0000 | 0.00 |
| 899 | 339 | 2639 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 900 | 5244 | 5245 | 2405.00 | 6.00 | 150.0000 | 0.00 |
| 901 | 2593 | 5244 | 1097.00 | 6.00 | 150.0000 | 0.00 |
| 902 | 5245 | 2146 | 50.00 | 6.00 | 150.0000 | 0.00 |
| 903 | 2146 | 1264 | 181.00 | 6.00 | 150.0000 | 0.00 |
| 904 | 1264 | 7037 | 61.00 | 6.00 | 150.0000 | 0.00 |
| 905 | 7037 | 1718 | 142.00 | 6.00 | 150.0000 | 0.00 |
| 906 | 1718 | 7038 | 101.00 | 6.00 | 150.0000 | 0.00 |
| 907 | 7038 | 1304 | 282.00 | 6.00 | 150.0000 | 0.00 |
| 908 | 1304 | 5246 | 20.00 | 6.00 | 150.0000 | 0.00 |
| 909 | 5246 | 1965 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 910 | 5246 | 154 | 33,00 | 6.00 | 150.0000 | 0.00 |
| 911 | 154 | 157 | 198.00 | 6.00 | 150.0000 | 0.00 |
| 912 | 157 | 766 | 642.00 | 6.00 | 150.0000 | 0.00 |
| 913 | 766 | 1518 | 290.00 | 6.00 | 150.0000 | 0.00 |
| 914 | 1518 | 2567 | 197.00 | 6.00 | 150.0000 | 0.00 |
| 915 | 2567 | 2398 | 724.00 | 6.00 | 150.0000 | 0.00 |
| 916 | 2398 | 1313 | 310.00 | 6.00 | 150.0000 | 0.00 |
| 917 | 1313 | 1239 | 367.00 | 6.00 | 150.0000 | 0.00 |
| 918 | 1239 | 5247 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 919 | 5248 | 64 | 272.00 | 2.00 | 150.0000 | 0.00 |
| 920 | 5248 | 333 | 256.00 | 2.00 | 150.0000 | 0.00 |
| 921 | 5247 | 5248 | 4148.00 | 2.00 | 150.0000 | 0.00 |
| 922 | 5247 | 1494 | 564.00 | 6.00 | 150.0000 | 0.00 |
| 923 | 1494 | 5249 | 494.00 | 6.00 | 150.0000 | 0.00 |
| 924 | 5249 | 1561 | 122,00 | 2.00 | 150.0000 | 0.00 |
| 925 | 1561 | 2472 | 145,00 | 2.00 | 150.0000 | 0.00 |
| 926 | 5249 | 2334 | 290.00 | 6.00 | 150.0000 | 0.00 |
| 927 | 2334 | 2525 | 80.00 | 6.00 | 150.0000 | 0.00 |
| 928 | 2525 | 5250 | 180.00 | 6.00 | 150.0000 | 0.00 |
| 929 | 5250 | 343 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 930 | 5250 | 340 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 931 | 5250 | 5251 | 534.00 | 6.00 | 150.0000 | 0.00 |
| 932 | 5251 | 7039 | 876.00 | 6.00 | 150.0000 | 0.00 |
| 933 | 7039 | 2428 | 158.00 | 6.00 | 150.0000 | 0.00 |
| 934 | 5252 | 167 | 233.00 | 2.00 | 150.0000 | 0.00 |
| 935 | 167 | 2242 | 112.00 | 2.00 | 150.0000 | 0.00 |
| 936 | 2428 | 5252 | 96.00 | 6.00 | 150.0000 | 0.00 |
| 937 | 1241 | 33 | 169.00 | 6.00 | 150.0000 | 0.00 |
| 938 | 33 | 1580 | 72.00 | 6.00 | 150.0000 | 0.00 |
| 939 | 33 | 1062 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 940 | 1545 | 1580 | 1276.00 | 6.00 | 150.0000 | 0.00 |
| 941 | 1545 | 1708 | 611.00 | 6.00 | 150.0000 | 0.00 |
| 942 | 1708 | 2527 | 81.00 | 6.00 | 150.0000 | 0.00 |
| 943 | 2527 | 1607 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 944 | 1607 | 1901 | 15.00 | 6.00 | 150.0000 | 0.00 |
| 945 | 1901 | 1688 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 946 | 1607 | 2647 | 302.00 | 6.00 | 150.0000 | 0.00 |
| 947 | 2647 | 2220 | 320.00 | 6.00 | 150.0000 | 0.00 |
| 948 | 2220 | 761 | 245.00 | 6.00 | 150.0000 | 0.00 |
| 949 | 761 | 1970 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 950 | 1970 | 1694 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 951 | 1694 | 760 | 201.00 | 6.00 | 150.0000 | 0.00 |
| 952 | 760 | 252 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 953 | 760 | 1081 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 954 | 1081 | 228 | 201.00 | 6.00 | 150.0000 | 0.00 |
| 955 | 228 | 7040 | 112.00 | 6.00 | 150.0000 | 0.00 |
| 956 | 7040 | 648 | 130.00 | 6.00 | 150.0000 | 0.00 |
| 957 | 648 | 341 | 60.00 | 6.00 | 150.0000 | 0.00 |
| 958 | 341 | 225 | 121.00 | 6.00 | 150.0000 | 0.00 |
| 959 | 225 | 338 | 94.00 | 6.00 | 150.0000 | 0.00 |
| 960 | 338 | 2476 | 178.00 | 6.00 | 150.0000 | 0.00 |
| 961 | 2476 | 1326 | 206.00 | 6.00 | 150.0000 | 0.00 |

| 962 | 1326 | 2070 | 351.00 | 6.00 | 150.0000 | 0.00 |
|-------------|------|------|---------|------|----------|------|
| | | | | | | |
| 963 | 5252 | 1241 | 532.00 | 6.00 | 150.0000 | 0.00 |
| 964 | 5245 | 710 | 445.00 | 6.00 | 150.0000 | 0.00 |
| 965 | 710 | 329 | 1573.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 966 | 329 | 250 | 40.00 | 6.00 | 150.0000 | 0.00 |
| 967 | 250 | 249 | 4156.00 | 6.00 | 150.0000 | 0.00 |
| 968 | 249 | 1980 | 1216.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 969 | 1980 | 5254 | 126.00 | 6.00 | 150.0000 | 0.00 |
| 970 | 5254 | 572 | 168.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 97 1 | 572 | 5255 | 4029.00 | 2.00 | 150.0000 | 0.00 |
| 972 | 5255 | 5256 | 1394.00 | 2.00 | 150.0000 | 0.00 |
| 973 | 5255 | 5257 | 3169.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 974 | 5254 | 5258 | 1648.00 | 6.00 | 150.0000 | 0.00 |
| 975 | 5258 | 5259 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 976 | 5259 | 180 | 104.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 977 | 180 | 1016 | 316.00 | 2.00 | 150.0000 | 0.00 |
| 978 | 1016 | 66 | 202.00 | 2.00 | 150.0000 | 0.00 |
| 979 | 5260 | 223 | 110.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 980 | 223 | 226 | 1102.00 | 2.00 | 150.0000 | 0.00 |
| 981 | 226 | 752 | 628.00 | 2.00 | 150.0000 | 0.00 |
| | 752 | 1416 | 458.00 | 2.00 | 150.0000 | 0.00 |
| 982 | | | | | | |
| 983 | 5260 | 8074 | 3980.00 | 6.00 | 150.0000 | 0.00 |
| 984 | 8074 | 1932 | 70.00 | 6.00 | 150.0000 | 0.00 |
| 985 | | 1525 | 272.00 | 6.00 | 150.0000 | |
| | 1932 | | | | | 0.00 |
| 986 | 1525 | 1579 | 87.00 | 2.00 | 150.0000 | 0.00 |
| 987 | 1525 | 664 | 1012.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 988 | 664 | 782 | 3905.00 | 6.00 | 150.0000 | 0.00 |
| 989 | 782 | 1363 | 816.00 | 6.00 | 150.0000 | 0.00 |
| 990 | 1363 | 926 | 100.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 991 | 5258 | J-69 | 4790.00 | 6.00 | 150.0000 | 0.00 |
| 992 | 2070 | 5253 | 60.00 | 6.00 | 150.0000 | 0.00 |
| 993 | 5253 | 7041 | 889.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 994 | 7041 | 1996 | 1210.00 | 6.00 | 150.0000 | 0.00 |
| 995 | 1996 | 1454 | 206.00 | 6.00 | 150.0000 | 0.00 |
| 996 | 1454 | 1371 | 1068.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 997 | 1371 | 1370 | 158.00 | 6.00 | 150.0000 | 0.00 |
| 998 | 5253 | 5262 | 152.00 | 3.00 | 150.0000 | 0.00 |
| 999 | 5262 | 514 | 1781.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1000 | 514 | 5263 | 1440.00 | 3.00 | 150.0000 | 0.00 |
| 1001 | 5263 | 586 | 2365.00 | 3.00 | 150.0000 | 0.00 |
| | 586 | 7042 | 212.00 | 3.00 | 150.0000 | 0.00 |
| 1002 | | | | | | |
| 1003 | 7042 | 1550 | 1644.00 | 3.00 | 150.0000 | 0.00 |
| 1004 | 1550 | 5264 | 2486.00 | 3.00 | 150.0000 | 0.00 |
| | | 5265 | 1479.00 | 3.00 | 150.0000 | 0.00 |
| 1005 | 5264 | | | | | |
| 1006 | 5265 | 2011 | 2145.00 | 2.00 | 150.0000 | 0.00 |
| 1007 | 5265 | 5266 | 1737.00 | 3.00 | 150.0000 | 0.00 |
| | 5266 | 147 | 1240.00 | 3.00 | 150.0000 | 0.00 |
| 1008 | | | | | | |
| 1009 | 147 | 2145 | 1780.00 | 3.00 | 150.0000 | 0.00 |
| 1010 | 2145 | 5267 | 442.00 | 3.00 | 150.0000 | 0.00 |
| | 5267 | 2214 | 879.00 | 1.00 | 150.0000 | 0.00 |
| 1011 | | | | | | |
| 1012 | 5267 | 5268 | 4312.00 | 3.00 | 150.0000 | 0.00 |
| 1013 | 5268 | 145 | 30.00 | 3.00 | 150.0000 | 0.00 |
| | | 68 | 1639.00 | 3.00 | 150.0000 | 0.00 |
| 1014 | 5268 | | | | | |
| 1015 | 68 | 1687 | 1024.00 | 3.00 | 150.0000 | 0.00 |
| 1016 | 1687 | 191 | 444.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 1017 | 191 | 1949 | 920.00 | 3.00 | | 0.00 |
| 1018 | 1949 | 5269 | 4363.00 | 3.00 | 150.0000 | 0.00 |
| 1019 | 5269 | 5270 | 110.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1020 | 5270 | 2158 | 767.00 | 2.00 | 150.0000 | 0.00 |
| 1021 | 5269 | 767 | 581.00 | 3.00 | 150.0000 | 0.00 |
| 1022 | 767 | 1967 | 7065.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1023 | 5089 | 1967 | 4459.00 | 3.00 | 150.0000 | 0.00 |
| 1024 | 5089 | 5271 | 838.00 | 2.50 | 150.0000 | 0.00 |
| 1025 | 5271 | 5272 | 450.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1026 | 5271 | 2046 | 891.00 | 2.50 | 150.0000 | 0.00 |
| 1027 | 2046 | 1209 | 3105.00 | 2.50 | 150.0000 | 0.00 |
| 1028 | 1209 | 5273 | 86.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 1029 | 5273 | 2288 | 600.00 | 2.50 | 150.0000 | 0.00 |
| 1030 | 2288 | 1164 | 1432.00 | 2.50 | 150.0000 | 0.00 |
| | 1164 | 498 | 2072.00 | 2.00 | 150.0000 | 0.00 |
| 1031 | | | | | | |
| 1032 | 5274 | 5275 | 163.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1033 | 5275 | 2627 | 15.00 | 6.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 1034 | 2627 | 2270 | 86.00 | 6.00 | 150.0000 | 0.00 |
| 1035 | 2270 | 1812 | 200.00 | 6.00 | 150.0000 | 0.00 |
| 1036 | 1812 | 1162 | 180.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1037 | 1162 | 492 | 753.00 | 6.00 | 150.0000 | 0.00 |
| 1038 | 492 | 2251 | 300.00 | 6.00 | 150.0000 | 0.00 |
| 1039 | 230 | 2251 | 211.00 | 6.00 | 150.0000 | 0.00 |
| 1040 | 230 | 2141 | 420.00 | 6.00 | 150.0000 | 0.00 |
| 1041 | 2141 | 1633 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 1042 | 1633 | 5276 | 1196.00 | 6.00 | 150.0000 | 0.00 |
| 1043 | 5276 | 925 | 2246.00 | 6.00 | 150.0000 | 0.00 |
| 1044 | 925 | 1582 | 74.00 | 6.00 | 150.0000 | 0.00 |
| 1045 | 1582 | 5277 | 391.00 | 6.00 | 150.0000 | 0.00 |
| | | 1057 | 888.00 | 2.00 | | |
| 1046 | 5277 | | | | 150.0000 | 0.00 |
| 1047 | 1057 | 857 | 915.00 | 2.00 | 150.0000 | 0.00 |
| 1048 | 5277 | 137 | 320.00 | 6.00 | 150.0000 | 0.00 |
| 1049 | 137 | 1599 | 61.00 | 6.00 | 150.0000 | 0.00 |
| 1050 | 1599 | 494 | 509.00 | 6.00 | 150.0000 | 0.00 |
| 1051 | 494 | 2665 | 3392.00 | 6.00 | 150.0000 | 0.00 |
| 1052 | 2665 | 5278 | 687.00 | 6.00 | 150.0000 | 0.00 |
| 1053 | 5278 | 1133 | 614.00 | 2.00 | 150.0000 | 0.00 |
| 1054 | 1133 | 5279 | 1834.00 | 2.00 | 150.0000 | 0.00 |
| 1055 | 5279 | 1034 | 1497.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 1056 | 1034 | 2686 | 502.00 | 2.00 | | 0.00 |
| 1057 | 5281 | 1654 | 474.00 | 2.00 | 150.0000 | 0.00 |
| 1058 | 1654 | 2545 | 448.00 | 2.00 | 150.0000 | 0.00 |
| 1059 | 2545 | 2075 | 708.00 | 2.00 | 150.0000 | 0.00 |
| 1060 | 2075 | 2048 | 208.00 | 2.00 | 150.0000 | 0.00 |
| 1061 | 2048 | 5280 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 1062 | 5280 | 1501 | 225.00 | 2.00 | 150.0000 | 0.00 |
| 1063 | 5280 | 1460 | 535.00 | 2.00 | 150.0000 | 0.00 |
| 1064 | 1460 | 1641 | 266.00 | 2.00 | 150.0000 | 0.00 |
| 1065 | 2686 | 5281 | 385.00 | 2.00 | 150.0000 | 0.00 |
| 1066 | 5278 | 1459 | 1330.00 | 6.00 | 150.0000 | 0.00 |
| 1067 | 1459 | 302 | 1118.00 | 6.00 | 150.0000 | 0.00 |
| 1068 | 302 | 1979 | 2694.00 | 6.00 | 150.0000 | |
| | | 5282 | | 6.00 | | 0.00 |
| 1069 | 1979 | | 1350.00 | | 150.0000 | 0.00 |
| 1070 | 5282 | 1697 | 108.00 | 6.00 | 150.0000 | 0.00 |
| 1071 | 1697 | 1151 | 458.00 | 6.00 | 150.0000 | 0.00 |
| 1072 | 1151 | 2332 | 355.00 | 6.00 | 150.0000 | 0.00 |
| 1073 | 2332 | 5283 | 559.00 | 6.00 | 150.0000 | 0.00 |
| 1074 | 5321 | 5284 | 441.00 | 2.00 | 150.0000 | 0.00 |
| 1075 | 5284 | 5285 | 253.00 | 2.00 | 150.0000 | 0.00 |
| 1076 | 5285 | 1214 | 3226.00 | 2.00 | 150.0000 | 0.00 |
| 1077 | 1214 | 927 | 454.00 | 2.00 | 150.0000 | 0.00 |
| 1078 | 927 | 935 | 64.00 | 2.00 | 150.0000 | 0.00 |
| 1079 | 935 | 1216 | 605.00 | 2.00 | 150.0000 | 0.00 |
| 1080 | 1216 | 125 | 1116.00 | 2.00 | 150.0000 | 0.00 |
| 1081 | 125 | 1225 | 272.00 | 2.00 | 150.0000 | 0.00 |
| 1082 | 1225 | 5286 | 4541.00 | 2.00 | 150.0000 | 0.00 |
| | | 2056 | 2429.00 | 2.00 | | |
| 1083 | 5286 | | | | 150.0000 | 0.00 |
| 1084 | 2056 | 2057 | 401.00 | 2.00 | 150.0000 | 0.00 |
| 1085 | 2057 | 2058 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1086 | 5050 | 924 | 1151.00 | 6.00 | 150.0000 | 0.00 |
| 1087 | 924 | 5287 | 705.00 | 6.00 | 150.0000 | 0.00 |
| 1088 | 5287 | 2634 | 675.00 | 6.00 | 150.0000 | 0.00 |
| 1089 | 2634 | 1510 | 370.00 | 6.00 | 150.0000 | 0.00 |
| 1090 | 1010 | 1492 | 1751.00 | 4.00 | 150.0000 | 0.00 |
| 1091 | 1010 | 2698 | 200.00 | 4.00 | 150.0000 | 0.00 |
| 1092 | 2698 | 903 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 1093 | 903 | 201 | 300.00 | 4.00 | 150.0000 | 0.00 |
| | 201 | 5288 | 856.00 | 4.00 | 150.0000 | 0.00 |
| 1094 | | | | | | |
| 1095 | 5288 | 2295 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 1096 | 5288 | 248 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1097 | 248 | 865 | 1019.00 | 2.00 | 150.0000 | 0.00 |
| 1098 | 865 | 5289 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1099 | 5289 | 841 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1100 | 5289 | 866 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 1101 | 5288 | 1111 | 1988.00 | 4.00 | 150.0000 | 0.00 |
| 1102 | 1111 | 60 | 520.00 | 4.00 | 150.0000 | 0.00 |
| 1103 | 60 | 861 | 4443.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1104 | 861 | 5290 | 45.00 | 4.00 | 150.0000 | 0.00 |
|------|----------|---------|---------|------|----------|------|
| 1105 | 5290 | 2417 | 1733.00 | 2.00 | 150.0000 | 0.00 |
| 1106 | 2417 | 5291 | | | 150.0000 | |
| | | | 896.00 | 2.00 | | 0.00 |
| 1107 | 5291 | 1841 | 1463.00 | 2.00 | 150.0000 | 0.00 |
| 1108 | 1841 | 580 | 1243.00 | 2.00 | 150.0000 | 0.00 |
| 1109 | 580 | 5292 | 621.00 | 2.00 | 150.0000 | 0.00 |
| 1110 | 5292 | 1640 | 1509.00 | 2.00 | 150.0000 | 0.00 |
| 1111 | 1640 | 5293 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 1112 | 5293 | 2168 | 250.00 | 2.00 | 150.0000 | 0.00 |
| | 2168 | | | | | |
| 1113 | | 2015 | 889.00 | 2.00 | 150.0000 | 0.00 |
| 1114 | 2015 | 2431 | 680.00 | 2.00 | 150.0000 | 0.00 |
| 1115 | 2431 | 1725 | 286.00 | 2.00 | 150.0000 | 0.00 |
| 1116 | 1725 | 5294 | 207.00 | 2.00 | 150.0000 | 0.00 |
| 1117 | 5294 | 2402 | 840.00 | 2.00 | 150.0000 | 0.00 |
| 1118 | 2402 | 1858 | 220.00 | 2.00 | 150.0000 | 0.00 |
| 1119 | 1858 | 2711 | 279.00 | 2.00 | 150.0000 | 0.00 |
| 1120 | 2711 | 8003 | 181.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1121 | 8003 | 2079 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1122 | 2079 | 8004 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1123 | 5294 | 5295 | 3018.00 | 2.00 | 150.0000 | 0.00 |
| 1124 | 5295 | 2195 | 81.00 | 2.00 | 150.0000 | 0.00 |
| 1125 | 2195 | 2541 | 306.00 | 2.00 | 150.0000 | 0.00 |
| 1126 | 2541 | 2333 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1127 | 2333 | 2416 | 150.00 | 1.00 | 150.0000 | 0.00 |
| | 2416 | | | | | |
| 1128 | | 2167 | 251.00 | 1.00 | 150.0000 | 0.00 |
| 1129 | 5295 | 2033 | 186.00 | 2.00 | 150.0000 | 0.00 |
| 1130 | 2033 | 1335 | 242.00 | 1.00 | 150.0000 | 0.00 |
| 1131 | 1335 | 2099 | 21.00 | 1.00 | 150.0000 | 0.00 |
| 1132 | 2099 | 1696 | 60.00 | 1.00 | 150.0000 | 0.00 |
| 1133 | 2167 | 972 | 277.00 | 1.00 | 150.0000 | 0.00 |
| 1134 | 5290 | 1329 | 1986.00 | 2.00 | 150.0000 | 0.00 |
| 1135 | 1329 | 2445 | 80.00 | 2.00 | 150.0000 | 0.00 |
| | | 2391 | 171.00 | | | |
| 1136 | 2445 | | | 2.00 | 150.0000 | 0.00 |
| 1137 | 2391 | 2703 | 371.00 | 2.00 | 150.0000 | 0.00 |
| 1138 | 2703 | 2420 | 249.00 | 2.00 | 150.0000 | 0.00 |
| 1139 | 2420 | 1897 | 203.00 | 2.00 | 150.0000 | 0.00 |
| 1140 | 5274 | 2008 | 304.00 | 6.00 | 150.0000 | 0.00 |
| 1141 | 2008 | 5296 | 322.00 | 6.00 | 150.0000 | 0.00 |
| 1142 | 5296 | 754 | 258.00 | 2.00 | 150.0000 | 0.00 |
| 1143 | 754 | 5297 | 242.00 | 2.00 | 150.0000 | 0.00 |
| 1144 | 5297 | 1121 | 20.00 | 2.00 | 150.0000 | 0.00 |
| | | 825 | | | | |
| 1145 | 1121 | | 74.00 | 2.00 | 150.0000 | 0.00 |
| 1146 | 825 | 753 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 1147 | 5297 | 930 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 1148 | 930 | 2001 | 350.00 | 2.00 | 150.0000 | 0.00 |
| 1149 | 2001 | 2283 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 1150 | 2283 | 2320 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1151 | 5296 | 80 | 79.00 | 6.00 | 150.0000 | 0.00 |
| 1152 | 80 | 5298 | 212.00 | 6.00 | 150.0000 | 0.00 |
| 1153 | 5298 | 811 | 356.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1154 | 5298 | 5299 | 2476.00 | 6.00 | 150.0000 | 0.00 |
| 1155 | 5299 | 480 | 748.00 | 2.00 | 150.0000 | 0.00 |
| 1156 | 480 | 1887 | 598.00 | 2.00 | 150.0000 | 0.00 |
| 1157 | 5299 | 473 | 96.00 | 6.00 | 150.0000 | 0.00 |
| 1158 | 473 | 7043 | 740.00 | 6.00 | 150.0000 | 0.00 |
| 1159 | 7043 | 50 | 24.00 | 6.00 | 150.0000 | 0.00 |
| 1160 | 50 | 491 | 582.00 | 6.00 | 150.0000 | 0.00 |
| 1161 | 491 | 1054 | 826.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1162 | 1054 | 1406 | 1284.00 | 6.00 | 150.0000 | 0.00 |
| 1163 | 1406 | 48 | 1969.00 | 6.00 | 150.0000 | 0.00 |
| 1164 | 48 | 238 | 984.00 | 6.00 | 150.0000 | 0.00 |
| 1165 | 238 | 5300 | 2273.00 | 6.00 | 150.0000 | 0.00 |
| 1166 | 5300Pipe | e-Plant | 137.00 | 8.00 | 150.0000 | 0.00 |
| 1167 | PRV-1 | 5059 | 2846.00 | 2.50 | 150.0000 | 0.00 |
| 1168 | 5300 | 5301 | 1715.00 | 8.00 | 150.0000 | 0.00 |
| 1169 | 5302 | 1261 | 471.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1170 | 5303 | 1260 | 120.00 | 4.00 | 150.0000 | 0.00 |
| 1171 | 5303 | 1259 | 1308.00 | 4.00 | 150.0000 | 0.00 |
| 1172 | 5302 | 5303 | 963.00 | 4.00 | 150.0000 | 0.00 |
| 1173 | 5301 | 5302 | 2173.00 | 4.00 | 150.0000 | 0.00 |
| 1174 | 5301 | 7044 | 2766.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1175 | 7044 | 5304 | 1236.00 | 8.00 | 150.0000 | 0.00 |
|------|-------|-------|---------|------|----------|------|
| 1176 | 5304 | 1269 | 2090.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1177 | 1269 | 1086 | 607.00 | 8.00 | 150.0000 | 0.00 |
| 1178 | 1086 | 1919 | 364.00 | 8.00 | 150.0000 | 0.00 |
| 1179 | 1919 | 7045 | 2404.00 | 8.00 | 150.0000 | 0.00 |
| 1180 | 7045 | 224 | 282.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1181 | 224 | 5305 | 1350.00 | 8.00 | 150.0000 | 0.00 |
| 1182 | 5305 | 2010 | 3930.00 | 4.00 | 150.0000 | 0.00 |
| 1183 | 2010 | 2024 | 2968.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1184 | 2024 | 5306 | 252.00 | 4.00 | 150.0000 | 0.00 |
| 1185 | 5306 | 497 | 46.00 | 1.00 | 150.0000 | 0.00 |
| 1186 | 497 | 1985 | 577.00 | 1.00 | 150.0000 | 0.00 |
| 1187 | 1985 | 332 | 1553.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1188 | 332 | 1077 | 33.00 | 1.00 | 150.0000 | 0.00 |
| 1189 | 5306 | 5307 | 4608.00 | 3.00 | 150.0000 | 0.00 |
| 1190 | 5307 | 5308 | 1527.00 | 3.00 | 150.0000 | 0.00 |
| 1191 | 5308 | 2037 | 443.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1192 | 2037 | 2389 | 321.00 | 2.00 | 150.0000 | 0.00 |
| 1193 | 2389 | 5311 | 194.00 | 2.00 | 150.0000 | 0.00 |
| 1194 | 2205 | 2517 | 163.00 | 2.00 | 150.0000 | 0.00 |
| | 5311 | | | | | |
| 1195 | | 2617 | 241.00 | 2.00 | 150.0000 | 0.00 |
| 1196 | 5308 | 5309 | 878.00 | 3.00 | 150.0000 | 0.00 |
| 1197 | 5309 | 5310 | 585.00 | 2.00 | 150.0000 | 0.00 |
| 1198 | 5310 | 2301 | 15.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1199 | 5310 | 1851 | 345.00 | 2.00 | 150.0000 | 0.00 |
| 1200 | 1851 | 2440 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1201 | 5309 | 2181 | 66.00 | 2.00 | 150.0000 | 0.00 |
| 1202 | 2181 | 2246 | 207.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1203 | 2246 | 2182 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1204 | 2182 | 1638 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1205 | 1638 | 2463 | 285.00 | 2.00 | 150.0000 | 0.00 |
| 1206 | 2463 | 2188 | 116.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1207 | 2206 | 1438 | 163.00 | 2.00 | 150.0000 | 0.00 |
| 1208 | 1438 | 2183 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 1209 | 2183 | 1226 | 26.00 | 2.00 | 150.0000 | 0.00 |
| 1210 | 1226 | 2439 | 20.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1211 | 5305 | 2110 | 176.00 | 8.00 | 150.0000 | 0.00 |
| 1212 | 2110 | 5312 | 154.00 | 8.00 | 150.0000 | 0.00 |
| 1213 | 5312 | 1771 | 311.00 | 2.00 | 150.0000 | 0.00 |
| 1214 | 1771 | 410 | 275.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1215 | 410 | 2215 | 527.00 | 2.00 | 150.0000 | 0.00 |
| 1216 | 2215 | 2090 | 721.00 | 2.00 | 150.0000 | 0.00 |
| 1217 | 2090 | 2701 | 603.00 | 2.00 | 150.0000 | 0.00 |
| 1218 | 2701 | 2248 | 316.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1219 | 2248 | 2069 | 355.00 | 2.00 | 150.0000 | 0.00 |
| 1220 | 2069 | 2065 | 361.00 | 2.00 | 150.0000 | 0.00 |
| 1221 | 5312 | 2236 | 851.00 | 8.00 | 150.0000 | 0.00 |
| 1222 | 5313 | 5314 | 2644.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1223 | 5314 | 1032 | 504.00 | 2.00 | 150.0000 | 0.00 |
| 1224 | 1032 | 8048 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 1225 | 8048 | 1072 | 576.00 | 2.00 | 150.0000 | 0.00 |
| 1226 | 5314 | 1161 | 82.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1227 | 1161 | 5315 | 4080.00 | 3.00 | 150.0000 | 0.00 |
| 1228 | 5315 | 7047 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1229 | 7047 | 7046 | 32.00 | 2.00 | 150.0000 | 0.00 |
| 1230 | 7046 | 5316 | 243.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1231 | 5316 | 1524 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 1232 | 1524 | 161 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 1233 | 5316 | 5317 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 1234 | 5317 | 311 | 56.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1235 | 311 | 5318 | 141.00 | 2.00 | 150.0000 | 0.00 |
| 1236 | 5318 | 2261 | 248.00 | 2.00 | 150.0000 | 0.00 |
| 1237 | 2261 | 1011 | 175.00 | 2.00 | 150.0000 | 0.00 |
| | | 1907 | | | | |
| 1238 | 5317 | | 97.00 | 2.00 | 150.0000 | 0.00 |
| 1239 | 1907 | 303 | 66.00 | 2.00 | 150.0000 | 0.00 |
| 1240 | 303 | 324 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1241 | 324 | 344 | 82.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1242 | 344 | 19 | 242.00 | 2.00 | 150.0000 | 0.00 |
| 1243 | 19 | 5319 | 118.00 | 4.00 | 150.0000 | 0.00 |
| 1244 | 5315 | 7048 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1245 | 7048 | 7049 | 117.00 | 2.00 | 150.0000 | 0.00 |
| *430 | , 540 | , 042 | 111.00 | 2.00 | 250.0000 | 3.00 |

| 1246 | 7049 | 5319 | 222.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 1247 | 5319 | 56 | 85.00 | 4.00 | 150.0000 | 0.00 |
| 1248 | 56 | 203 | 94.00 | 2.00 | 150.0000 | 0.00 |
| | 203 | 268 | | | | |
| 1249 | | | 463.00 | 2.00 | 150.0000 | 0.00 |
| 1250 | 268 | 7050 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1251 | 7050 | 1975 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 1252 | 1975 | 7051 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 1253 | 7051 | 265 | 107.00 | 2.00 | 150.0000 | 0.00 |
| 1254 | 265 | 160 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 1255 | 5050 | 5321 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 1256 | 5283 | 5321 | 431.00 | 6.00 | 150.0000 | 0.00 |
| 1257 | 2699 | 5058 | 599.00 | 2.50 | 150.0000 | 0.00 |
| 1258 | 5275 | 1492 | 300.00 | 4.00 | 150.0000 | 0.00 |
| 1259 | 2188 | 2206 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 1260 | 160 | 5320 | 33.00 | 2.00 | 150.0000 | 0.00 |
| | 5320 | 1188 | 38.00 | 2.00 | 150.0000 | |
| 1261 | | | | | | 0.00 |
| 1262 | 1188 | 490 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1263 | 490 | 1018 | 232.00 | 2.00 | 150.0000 | 0.00 |
| 1264 | 1018 | 337 | 495.00 | 2.00 | 150.0000 | 0.00 |
| 1265 | 337 | 16 | 229.00 | 2.00 | 150.0000 | 0.00 |
| 1266 | 16 | 2339 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 1267 | 2339 | 255 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 1268 | 255 | 213 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1269 | 213 | 229 | 64.00 | 2.00 | 150.0000 | 0.00 |
| 1270 | 229 | 293 | 76.00 | 2.00 | 150.0000 | 0.00 |
| 1271 | 293 | 259 | 16.00 | 2.00 | 150.0000 | 0.00 |
| 1272 | 259 | 5318 | 179.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1273 | 5320 | 5322 | 735.00 | 2.00 | 150.0000 | 0.00 |
| 1274 | 5322 | 1196 | 255.00 | 2.00 | 150.0000 | 0.00 |
| 1275 | 5322 | 5323 | 961.00 | 2.00 | 150.0000 | 0.00 |
| 1276 | 5323 | 8052 | 131.00 | 2.00 | 150.0000 | 0.00 |
| 1277 | 5323 | 5324 | 368.00 | 2.00 | 150.0000 | 0.00 |
| 1278 | 2236 | 5313 | 102.00 | 8.00 | 150.0000 | 0.00 |
| 1279 | 5313 | 1446 | 30.00 | 8.00 | 150.0000 | 0.00 |
| 1280 | 1446 | 2595 | 815.00 | 8.00 | 150.0000 | 0.00 |
| 1281 | 2595 | 1449 | 331.00 | 8.00 | 150.0000 | 0.00 |
| 1282 | 1449 | 2552 | 515.00 | 8.00 | 150.0000 | 0.00 |
| 1283 | 2552 | 791 | 110.00 | 8.00 | 150.0000 | 0.00 |
| 1284 | 791 | 2313 | 649.00 | 8.00 | 150.0000 | 0.00 |
| | 2313 | 475 | 494.00 | 8.00 | 150.0000 | 0.00 |
| 1285 | | | | | | |
| 1286 | 475 | 5325 | 2179.00 | 8.00 | 150.0000 | 0.00 |
| 1287 | 5325 | 7052 | 94.00 | 2.00 | 150.0000 | 0.00 |
| 1288 | 7052 | 7053 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 1289 | 7053 | 854 | 320.00 | 2.00 | 150.0000 | 0.00 |
| 1290 | 854 | 657 | 179.00 | 2.00 | 150.0000 | 0.00 |
| 1291 | 657 | 2004 | 198.00 | 2.00 | 150.0000 | 0.00 |
| 1292 | 5326 | 2620 | 2361.00 | 1.50 | 150.0000 | 0.00 |
| 1293 | 2620 | 2718 | 13.00 | 1.50 | 150.0000 | 0.00 |
| 1294 | 2718 | 1507 | 13.00 | 1.50 | 150.0000 | 0.00 |
| 1296 | 5325 | 893 | 231.00 | 8.00 | 150.0000 | 0.00 |
| 1297 | 893 | 1346 | 1204.00 | 8.00 | 150.0000 | 0.00 |
| 1298 | 1346 | 5327 | 73.00 | 8.00 | 150.0000 | 0.00 |
| | 5327 | 8038 | 448.00 | 3.00 | 150.0000 | 0.00 |
| 1299 | | | | | | |
| 1300 | 8038 | 8037 | 51.00 | 3.00 | 150.0000 | 0.00 |
| 1301 | 8037 | 2559 | 287.00 | 3.00 | 150.0000 | 0.00 |
| 1302 | 2559 | 1704 | 624.00 | 3.00 | 150.0000 | 0.00 |
| 1303 | 1704 | 240 | 893.00 | 3.00 | 150.0000 | 0.00 |
| 1304 | 240 | 1644 | 691.00 | 3.00 | 150.0000 | 0.00 |
| 1305 | 1644 | 1190 | 110.00 | 3.00 | 150.0000 | 0.00 |
| 1306 | 1190 | 1903 | 183.00 | 3.00 | 150.0000 | 0.00 |
| 1307 | 1903 | 2470 | 333.00 | 3.00 | 150.0000 | 0.00 |
| 1308 | 2470 | 7054 | 80.00 | 3.00 | 150.0000 | 0.00 |
| 1309 | 7054 | 5328 | 325.00 | 3.00 | 150.0000 | 0.00 |
| | | 202 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 1310 | 5328 | | | | | |
| 1311 | 202 | 1588 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 1312 | 1588 | 1827 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1313 | 1827 | 1423 | 71.00 | 2.00 | 150.0000 | 0.00 |
| 1314 | 1423 | 2230 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 1315 | 2230 | 1943 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1316 | 1943 | 7055 | 155.00 | 2.00 | 150.0000 | 0.00 |
| 1317 | 5328 | 5329 | 2300.00 | 3.00 | 150.0000 | 0.00 |
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| 1363 5339 2238 50.00 2.00 150.0000 1364 2238 1720 180.00 2.00 150.0000 1365 1720 8061 72.00 2.00 150.0000 1366 8061 1721 168.00 2.00 150.0000 1367 1721 820 107.00 2.00 150.0000 1368 820 2555 50.00 2.00 150.0000 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | |
| 1364 2238 1720 180.00 2.00 150.0000 1365 1720 8061 72.00 2.00 150.0000 1366 8061 1721 168.00 2.00 150.0000 1367 1721 820 107.00 2.00 150.0000 1368 820 2555 50.00 2.00 150.0000 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| 1365 1720 8061 72.00 2.00 150.0000 1366 8061 1721 168.00 2.00 150.0000 1367 1721 820 107.00 2.00 150.0000 1368 820 2555 50.00 2.00 150.0000 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| 1366 8061 1721 168.00 2.00 150.0000 1367 1721 820 107.00 2.00 150.0000 1368 820 2555 50.00 2.00 150.0000 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| 1366 8061 1721 168.00 2.00 150.0000 1367 1721 820 107.00 2.00 150.0000 1368 820 2555 50.00 2.00 150.0000 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| 1367 1721 820 107.00 2.00 150.0000 1368 820 2555 50.00 2.00 150.0000 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| 1368 820 2555 50.00 2.00 150.0000 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| 1369 5338 731 816.00 6.00 150.0000 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| 1370 731 2649 1054.00 6.00 150.0000 1371 2649 5341 209.00 6.00 150.0000 | |
| 1371 2649 5341 209.00 6.00 150.0000 | 0.00 |
| | 0.00 |
| | 0.00 |
| 1372 5341 5342 1951.00 6.00 150.0000 | 0.00 |
| 1373 5342 72 261.00 6.00 150.0000 | 0.00 |
| 1374 5344 2108 97.00 3.00 150.0000 | 0.00 |
| 1375 72 8070 521.00 6.00 150.0000 | 0.00 |
| | |
| 1376 5344 5345 473.00 3.00 150.0000 | 0.00 |
| 1377 5345 2315 20.00 3.00 150.0000 | 0.00 |
| 1378 5345 5346 422.00 3.00 150.0000 | 0.00 |
| 1379 5346 5343 80.00 3.00 150.0000 | 0.00 |
| 1380 5343 2280 323.00 3.00 150.0000 | 0.00 |
| 1381 2280 1695 40.00 3.00 150.0000 | 0.00 |
| | 0.00 |
| | |
| 1383 2282 2139 308.00 2.00 150.0000 | 0.00 |
| 1384 2139 2116 30.00 2.00 150.0000 | 0.00 |
| 1385 2116 2268 185.00 2.00 150.0000 | 0.00 |
| 1386 2315 2306 280.00 3.00 150.0000 | 0.00 |
| 1387 8070 1543 448.00 6.00 150.0000 | |
| 1388 2306 5347 359.00 3.00 150.0000 | 0.00 |
| | 0.00 |
| 1389 1543 254 508.00 6.00 150.0000 | 0.00 |

| 1390 | 5347 | 5348 | 291.00 | 3.00 | 150.0000 | 0.00 |
|-------|------|---------------|---------|-------|----------|------|
| | | | | | | |
| 1391 | 5347 | 2397 | 261.00 | 2.00 | 150.0000 | 0.00 |
| 1392 | 2397 | 2379 | 194.00 | 2.00 | 150.0000 | 0.00 |
| 1393 | 2379 | 2330 | 44.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1394 | 5348 | 2338 | 13.00 | 6.00 | 150.0000 | 0.00 |
| 1395 | 2338 | 478 | 227.00 | 6.00 | 150.0000 | 0.00 |
| 1396 | 5327 | 716 | 98.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1397 | 5344 | 72 | 110.00 | 3.00 | 150.0000 | 0.00 |
| 1398 | 5348 | 254 | 110.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1399 | 478 | 5350 | 231.00 | 6.00 | 150.0000 | 0.00 |
| 1400 | 5350 | 5349 | 2472.00 | 6.00 | 150.0000 | 0.00 |
| 1401 | 5349 | 2643 | 280.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1402 | 2643 | 493 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 1403 | 493 | 2013 | 192.00 | 6.00 | 150.0000 | 0.00 |
| 1404 | 2013 | 2143 | 178.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1405 | 2143 | 2359 | 33.00 | 6.00 | 150.0000 | 0.00 |
| 1406 | 358 | 5351 | 94.00 | 6.00 | 150.0000 | 0.00 |
| 1407 | 5351 | 1473 | 26.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1408 | 5351 | 1508 | 186.00 | 3.00 | 150.0000 | 0.00 |
| 1409 | 5349 | 1233 | 371.00 | 2.00 | 150.0000 | 0.00 |
| 1410 | 2359 | 358 | 76.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1411 | 1508 | 5352 | 83.00 | 3.00 | 150.0000 | 0.00 |
| 1412 | 5351 | 2346 | 73.00 | 4.00 | 150.0000 | 0.00 |
| 1413 | 5352 | 1917 | 48.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1414 | 1917 | 1066 | 39.00 | 3.00 | 150.0000 | 0.00 |
| 1415 | 1066 | 51 | 201.00 | 4.00 | 150.0000 | 0.00 |
| 1416 | 51 | 1280 | 310.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1417 | 1280 | 5353 | 23.00 | 3.00 | 150.0000 | 0.00 |
| 1418 | 5353 | 2142 | 174.00 | 3.00 | 150.0000 | 0.00 |
| 1419 | | 1893 | 174.00 | 3.00 | | 0.00 |
| | 2142 | | | | 150.0000 | |
| 1420 | 1893 | 708 | 228.00 | 3.00 | 150.0000 | 0.00 |
| 1421 | 708 | 647 | 150.00 | 3.00 | 150.0000 | 0.00 |
| | | 5354 | | | | |
| 1422 | 647 | | 64.00 | 3.00 | 150.0000 | 0.00 |
| 1423 | 5354 | 5 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 1424 | 5 | 1522 | 138.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1425 | 1522 | 1604 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1426 | 1522 | 53 5 5 | 270.00 | 2.00 | 150.0000 | 0.00 |
| 1427 | 5354 | 5356 | 256.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1428 | 5356 | 1327 | 591.00 | 3.00 | 150.0000 | 0.00 |
| 1429 | 1327 | 2042 | 277.00 | 3.00 | 150.0000 | 0.00 |
| 1430 | 2042 | 1278 | 276.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1431 | 1278 | 2128 | 556.00 | 3.00 | 150.0000 | 0.00 |
| 1432 | 2128 | 1951 | 204.00 | 3.00 | 150.0000 | 0.00 |
| 1433 | 1951 | 1948 | 796.00 | 3.00 | 150.0000 | 0.00 |
| | | | 202.00 | | | |
| 1434 | 1948 | 1825 | | 3.00 | 150.0000 | 0.00 |
| 1435 | 1825 | 5357 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 1436 | 5357 | 1114 | 781.00 | 3.00 | 150.0000 | 0.00 |
| | | | • | | | |
| 1437 | 5357 | 864 | 388.00 | 3.00 | 150.0000 | 0.00 |
| 1438 | 864 | 1950 | 570.00 | 3.00 | 150.0000 | 0.00 |
| 1439 | 1950 | 2170 | 598.00 | 3.00 | 150.0000 | 0.00 |
| 1440 | 2170 | 2264 | 821.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1441 | 2264 | 5358 | 725.00 | 3.00 | 150.0000 | 0.00 |
| 1442 | 5358 | 896 | 1002.00 | 3.00 | 150.0000 | 0.00 |
| | | 1443 | 389.00 | 3.00 | 150.0000 | 0.00 |
| 1443 | 896 | | | | | |
| 1444 | 5359 | 1928 | 81.00 | 2.00 | 150.0000 | 0.00 |
| 1445 | 1928 | 2124 | 37.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1446 | 2124 | 8009 | 118.00 | 2.00 | 150.0000 | 0.00 |
| 1447 | 2113 | 2371 | 229.00 | 2.00 | 150.0000 | 0.00 |
| 1448 | 2371 | 2563 | 92.00 | 2.00 | 150.0000 | 0.00 |
| | | 5360 | 55.00 | | 150.0000 | 0.00 |
| 1449 | 2563 | | | 2.00 | | |
| 1450 | 5360 | 2292 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1452 | 858 | J-1 | 68.00 | 2.00 | 150.0000 | 0.00 |
| | | 746 | 27.00 | 3.00 | 150.0000 | 0.00 |
| 1453 | 5361 | | | | | |
| 1454 | 5361 | 2469 | 41.00 | 3.00 | 150.0000 | 0.00 |
| 1455 | 2469 | 1671 | 43.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1456 | 1671 | 1581 | 27.00 | 3.00 | 150.0000 | 0.00 |
| 1457 | 1581 | 2566 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 1458 | 2566 | 5362 | 60.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1459 | 5362 | 529 | 16.00 | 3.00 | 150.0000 | 0.00 |
| 1460 | 529 | 883 | 88.00 | 3.00 | 150.0000 | 0.00 |
| 1461 | 883 | 5363 | 50.00 | 3.00 | 150.0000 | 0.00 |
| T-40T | 003 | 2203 | 50.00 | ٥٠.٠٥ | 255,0000 | 0.00 |

| 1462 | 5363 | 2160 | 225.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|--------|------|----------|------|
| | | 1266 | 55.00 | 3.00 | | 0.00 |
| 1463 | 5363 | | | | 150.0000 | |
| 1464 | 1266 | 1616 | 134.00 | 3.00 | 150.0000 | 0.00 |
| 1465 | 5364 | 2692 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1466 | 2692 | 5365 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 1467 | 5365 | 241 | 30.00 | 1.00 | 150.0000 | 0.00 |
| 1468 | 241 | 1727 | 50.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1469 | 5364 | 8010 | 220.00 | 2.00 | 150.0000 | 0.00 |
| 1470 | 8010 | 1706 | 72.00 | 2.00 | 150.0000 | 0.00 |
| 1471 | 1727 | 186 | 34.00 | 1.00 | 150.0000 | 0.00 |
| 1472 | 1706 | 1474 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1473 | 1474 | 1495 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1474 | 1495 | 336 | 173.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1475 | 336 | 8068 | 95.00 | 2.00 | 150.0000 | 0.00 |
| 1476 | 8068 | 1505 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 1477 | 1505 | 2564 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1478 | 2564 | 967 | 93.00 | 2.00 | 150.0000 | 0.00 |
| 1479 | 967 | 231 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 1480 | 231 | 2600 | 38.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1481 | 2600 | 2165 | 22.00 | 2.00 | 150.0000 | 0.00 |
| 1482 | 2165 | 2448 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 1483 | 2448 | 1619 | 42.00 | 2.00 | 150.0000 | 0.00 |
| 1484 | 1619 | 2254 | 57.00 | 2.00 | 150.0000 | 0.00 |
| 1485 | 2254 | 8011 | 104.00 | 2.00 | 150.0000 | 0.00 |
| 1486 | 8011 | 373 | 78.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1487 | 373 | 2235 | 27.00 | 2.00 | 150.0000 | 0.00 |
| 1488 | 288 | 290 | 111.00 | 2.00 | 150.0000 | 0.00 |
| 1489 | 5366 | 288 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 1490 | 288 | 479 | 129.00 | 2.00 | 150.0000 | 0.00 |
| 1491 | 5366 | 132 | 79.00 | 2.00 | 150.0000 | 0.00 |
| 1492 | 132 | 40 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1493 | 40 | 2191 | 53.00 | 4.00 | 150.0000 | 0.00 |
| 1494 | 2191 | 2032 | 68.00 | 2.00 | 150.0000 | 0.00 |
| 1495 | 5367 | 1481 | 247.00 | 3.00 | 150.0000 | 0.00 |
| 1496 | 1481 | 852 | 39.00 | 3.00 | 150.0000 | 0.00 |
| 1497 | 852 | 8013 | 59.00 | 3.00 | 150.0000 | 0.00 |
| 1498 | 8012 | 1707 | 36.00 | 3.00 | 150.0000 | 0.00 |
| 1499 | 1707 | 8013 | 56.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1500 | 8013 | 1145 | 146.00 | 3.00 | 150.0000 | 0.00 |
| 1501 | 5362 | 236 | 94.00 | 3.00 | 150.0000 | 0.00 |
| 1502 | 236 | 1145 | 135.00 | 3.00 | 150.0000 | 0.00 |
| 1503 | 5367 | 5368 | 228.00 | 3.00 | 150.0000 | 0.00 |
| 1504 | 2032 | 5367 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 1505 | 5368 | 5359 | 267.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | 0.00 |
| 1506 | 5368 | 5369 | 223.00 | 4.00 | 150.0000 | |
| 1507 | 5369 | 2231 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 1508 | 2231 | 5370 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 1509 | 5370 | 2311 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 1510 | 2311 | 777 | 224.00 | 2.00 | 150.0000 | 0.00 |
| 1511 | 777 | 910 | 188.00 | 2.00 | 150.0000 | 0.00 |
| 1512 | 5369 | 1535 | 140.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1513 | 1535 | 577 | 81.00 | 4.00 | 150.0000 | 0.00 |
| 1514 | 577 | 1091 | 16.00 | 4.00 | 150.0000 | 0.00 |
| 1515 | 1091 | 2111 | 76.00 | 4.00 | 150.0000 | 0.00 |
| 1516 | 2111 | 1169 | 112.00 | 4.00 | 150.0000 | 0.00 |
| 1517 | 1169 | 730 | 64.00 | 4.00 | 150.0000 | 0.00 |
| 1518 | 730 | 433 | 50.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1519 | 433 | 1041 | 120.00 | 4.00 | 150.0000 | 0.00 |
| 1520 | 592 | 541 | 37.00 | 4.00 | 150.0000 | 0.00 |
| 1521 | 541 | 140 | 46.00 | 4.00 | 150.0000 | 0.00 |
| 1522 | 140 | 2407 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 1523 | 2407 | 7056 | 76.00 | 4.00 | 150.0000 | 0.00 |
| 1524 | 1041 | 592 | 55.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1525 | 7056 | 123 | 83.00 | 4.00 | 150.0000 | 0.00 |
| 1526 | 123 | 918 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 1527 | 918 | 1027 | 66.00 | 4.00 | 150.0000 | 0.00 |
| 1528 | 1027 | 997 | 20.00 | 4.00 | 150.0000 | 0.00 |
| 1529 | 997 | 1583 | 45.00 | 4.00 | 150.0000 | 0.00 |
| 1530 | 1583 | 1626 | 40.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1531 | 1626 | 2425 | 79.00 | 4.00 | 150.0000 | 0.00 |
| 1532 | 2425 | 550 | 30.00 | 4.00 | 150.0000 | 0.00 |

| 1533 | 550 | 233 | 24.00 | 4.00 | 150.0000 | 0.00 |
|--------------|-------------|-------------|------------------|--------------|----------------------|--------------|
| 1534 | 233 | 383 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 1535 | 383 | 5371 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 1536 | 5371 | 659 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 1537 | 5371 | 5372 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 1538 | 5372 | 1972 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 1539 | 5372 | 1350 | 121.00 | 4.00 | 150.0000 | 0.00 |
| 1540 | 1350 | 1625 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 1541 | 1625 | 256 | 45.00 | 4.00 | 150.0000 | 0.00 |
| 1542 | 256 | 783 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 1543 | 783 | 1514 | 71.00 | 4.00 | 150.0000 | 0.00 |
| 1544 | 1514 | 1059 | 75.00 | 4.00 | 150.0000 | 0.00 |
| 1545 | 1059 | 2093 | 31.00 | 4.00 | 150.0000 | 0.00 |
| 1546 | 2093 | 8014 | 81.00 | 4.00 | 150.0000 | 0.00 |
| 1547 | 8014 | 526 | 144.00 | 4.00 | 150.0000 | 0.00 |
| 1548 | 526 | 2308 | 102.00 | 4.00 | 150.0000 | 0.00 |
| 1549 | 2308 | 944 | 96.00 | 4.00 | 150.0000 | 0.00 |
| 1550 | 944 | 5373 | 123.00 | 4.00 | 150.0000 | 0.00 |
| 1551 | 5373 | 2493 | 61.00 | 4.00 | 150.0000 | 0.00 |
| 1552 | 2493 | 1600 | 91.00 | 4.00 | 150.0000 | 0.00 |
| 1553 | 1600 | 1892 | 115.00 | 4.00 | 150.0000 | 0.00 |
| 1554 | 1892 | 1458
859 | 352.00
81.00 | 4.00
4.00 | 150.0000 | 0.00 |
| 1555
1556 | 1458
859 | 888 | 73.00 | 4.00 | 150.0000
150.0000 | 0.00
0.00 |
| 1557 | 888 | 2227 | 15.00 | 4.00 | 150.0000 | 0.00 |
| 1558 | 2227 | 1477 | 266.00 | 4.00 | 150.0000 | 0.00 |
| 1559 | 2346 | 1477 | 32.00 | 4.00 | 150.0000 | 0.00 |
| 1560 | 5373 | 124 | 217.00 | 3.00 | 150.0000 | 0.00 |
| 1561 | 124 | 5374 | 68.00 | 3.00 | 150.0000 | 0.00 |
| 1562 | 5374 | 602 | 57.00 | 2.00 | 150.0000 | 0.00 |
| 1563 | 602 | 533 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 1564 | 533 | 879 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 1565 | 879 | 1978 | 26.00 | 2.00 | 150.0000 | 0.00 |
| 1566 | 1978 | 964 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1567 | 964 | 1487 | 36.00 | 2.00 | 150.0000 | 0.00 |
| 1568 | 1487 | 834 | 109.00 | 2.00 | 150.0000 | 0.00 |
| 1569 | 834 | 2273 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 1570 | 2273 | 2169 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1571 | 2169 | 1710 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 1572 | 1710 | 1737 | 127.00 | 2.00 | 150.0000 | 0.00 |
| 1573 | 1737 | 980 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 1574 | 980 | 1669 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1575 | 1669 | 2293 | 123.00 | 2.00 | 150.0000 | 0.00 |
| 1576 | 2293 | 778 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 1577 | 778 | 77 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1578 | 481 | 779 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1579 | 5361 | 5375 | 365.00 | 3.00 | 150.0000 | 0.00 |
| 1580 | 5375 | 5376 | 2168.00 | 3.00 | 150.0000 | 0.00 |
| 1581
1582 | 5376
405 | 405
2547 | 221.00
121.00 | 2.00
2.00 | 150.0000
150.0000 | 0.00 |
| 1583 | 2547 | 1921 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1584 | 1921 | 2542 | 231.00 | 2.00 | 150.0000 | 0.00 |
| 1585 | 2542 | 2543 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1586 | 2543 | 584 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 1587 | 584 | 978 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1588 | 5376 | 235 | 32.00 | 3.00 | 150.0000 | 0.00 |
| 1589 | 235 | 42 | 156.00 | 4.00 | 150.0000 | 0.00 |
| 1590 | 42 | 2579 | 102.00 | 3.00 | 150.0000 | 0.00 |
| 1591 | 2579 | 113 | 72.00 | 3.00 | 150.0000 | 0.00 |
| 1592 | 113 | 438 | 33.00 | 3.00 | 150.0000 | 0.00 |
| 1593 | 438 | 2473 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 1594 | 2473 | 5377 | 108.00 | 3.00 | 150.0000 | 0.00 |
| 1595 | 5377 | 5378 | 537.00 | 3.00 | 150.0000 | 0.00 |
| 1596 | 5378 | 1031 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 1597 | 1031 | 1183 | 214.00 | 2.00 | 150.0000 | 0.00 |
| 1598 | 1183 | 1185 | 316.00 | 2.00 | 150.0000 | 0.00 |
| 1599 | 1185 | 2625 | 187.00 | 2.00 | 150.0000 | 0.00 |
| 1600 | 2625 | 1448 | 256.00 | 2.00 | 150.0000 | 0.00 |
| 1601 | 5378 | 8025 | 94.00 | 3.00 | 150.0000 | 0.00 |
| 1602 | 8025 | 5379 | 371.00 | 3.00 | 150.0000 | 0.00 |
| 1603 | 5379 | 5380 | 1030.00 | 2.00 | 150.0000 | 0.00 |

| 1604 | 5380 | 35 | 482.00 | 4.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 1605 | 35 | 1722 | 38.00 | 2.00 | 150.0000 | 0.00 |
| 1606 | 1722 | 2613 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 1607 | 2613 | 1127 | 29.00 | 2.00 | 150.0000 | 0.00 |
| | 1127 | 1430 | 165.00 | 2.00 | | |
| 1608 | | | | | 150.0000 | 0.00 |
| 1609 | 1430 | 1733 | 476.00 | 2.00 | 150.0000 | 0.00 |
| 1610 | 1733 | 900 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 1611 | 900 | 2630 | 105.00 | 2.00 | 150.0000 | 0.00 |
| 1612 | 2630 | 2707 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 1613 | 2707 | 5381 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 1614 | 5381 | 2618 | 61.00 | 2.00 | 150.0000 | 0.00 |
| 1615 | 5381 | 5380 | 974.00 | 2.00 | 150.0000 | 0.00 |
| 1616 | 5379 | 2104 | 32.00 | 3.00 | 150.0000 | 0.00 |
| 1617 | 2104 | 911 | 67.00 | 3.00 | 150.0000 | 0.00 |
| 1618 | 5342 | 47 | 2624.00 | 6.00 | 150.0000 | 0.00 |
| 1619 | 47 | 2538 | 116.00 | 4.00 | 150.0000 | 0.00 |
| 1620 | 2538 | 5382 | 328.00 | 4.00 | 150.0000 | 0.00 |
| 1621 | 5382 | 5383 | 390.00 | | | |
| | | | | 4.00 | 150.0000 | 0.00 |
| 1622 | 5383 | 2747 | 71.00 | 2.00 | 150.0000 | 0.00 |
| 1623 | 2747 | 2742 | 11.00 | 2.00 | 150.0000 | 0.00 |
| 1624 | 2742 | 2752 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 1625 | 2752 | 2771 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 1626 | 2771 | 2744 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1627 | 2744 | 7057 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 1628 | 7057 | 2733 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1629 | 2733 | 2746 | 97.00 | 2.00 | 150.0000 | 0.00 |
| 1630 | 2746 | 2736 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1631 | 5383 | 5384 | 203.00 | 4.00 | 150.0000 | 0.00 |
| 1632 | 5384 | 2766 | 31.00 | 4.00 | 150.0000 | 0.00 |
| 1632 | 5384 | 2770 | 143.00 | | | |
| | | | | 4.00 | 150.0000 | 0.00 |
| 1634 | 2770 | 2760 | 85.00 | 4.00 | 150.0000 | 0.00 |
| 1635 | 5384 | 2741 | 21.00 | 4.00 | 150.0000 | 0.00 |
| 1636 | 2741 | 2759 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 1637 | 2759 | 8071 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 1638 | 8071 | 2754 | 44.00 | 4.00 | 150.0000 | 0.00 |
| 1639 | 2754 | 2729 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 1640 | 2729 | 2732 | 44.00 | 4.00 | 150.0000 | 0.00 |
| 1641 | 2732 | 5385 | 60.00 | 4.00 | 150.0000 | 0.00 |
| 1642 | 5385 | 2757 | 32.00 | 4.00 | 150.0000 | 0.00 |
| 1643 | 2757 | 2737 | 62.00 | 4.00 | 150.0000 | 0.00 |
| 1644 | 2737 | 2751 | 47.00 | 4.00 | 150.0000 | 0.00 |
| 1645 | 2751 | 7058 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 1646 | 7058 | 2728 | 89.00 | 4.00 | 150.0000 | 0.00 |
| | 2728 | | | | | |
| 1647 | | 2731 | 535.00 | 4.00 | 150.0000 | 0.00 |
| 1648 | 2731 | 2734 | 21.00 | 4.00 | 150.0000 | 0.00 |
| 1649 | 2734 | 2735 | 95.00 | 4.00 | 150.0000 | 0.00 |
| 1650 | 2735 | 2748 | 20.00 | 4.00 | 150.0000 | 0.00 |
| 1651 | 2748 | 2769 | 106.00 | 4.00 | 150.0000 | 0.00 |
| 1652 | 2769 | 2726 | 16.00 | 4.00 | 150.0000 | 0.00 |
| 1653 | 5386 | 5387 | 239.00 | 3.00 | 150.0000 | 0.00 |
| 1654 | 5387 | 2727 | 38.00 | 3.00 | 150.0000 | 0.00 |
| 1655 | 2727 | 7059 | 152.00 | 3.00 | 150.0000 | 0.00 |
| 1656 | 7059 | 2764 | 92.00 | 3.00 | 150.0000 | 0.00 |
| 1657 | 2753 | 2764 | 156.00 | 3.00 | 150.0000 | 0.00 |
| 1658 | 2753 | 4.3 | 139.00 | 4.00 | 150.0000 | 0.00 |
| | | 5385 | 131.00 | 4.00 | | |
| 1659 | 43 | | | | 150.0000 | 0.00 |
| 1660 | 5387 | 5388 | 47.00 | 3.00 | 150.0000 | 0.00 |
| 1661 | 5388 | 5389 | 271.00 | 3.00 | 150.0000 | 0.00 |
| 1662 | 5389 | 2761 | 51.00 | 3.00 | 150.0000 | 0.00 |
| 1663 | 2761 | 5382 | 175.00 | 3.00 | 150.0000 | 0.00 |
| 1664 | 5389 | 2758 | 132.00 | 3.00 | 150.0000 | 0.00 |
| 1665 | 2758 | 2762 | 114.00 | 3.00 | 150.0000 | 0.00 |
| 1666 | 5388 | 2739 | 98.00 | 3.00 | 150.0000 | 0.00 |
| 1667 | 2739 | 2743 | 56.00 | 3.00 | 150.0000 | 0.00 |
| 1668 | 2743 | 2730 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 1669 | 2730 | 2756 | 107.00 | 3.00 | 150.0000 | 0.00 |
| | | | 96.00 | | | |
| 1670 | 2756 | 2745 | | 3.00 | 150.0000 | 0.00 |
| 1671 | 5386 | 2763 | 124.00 | 3.00 | 150.0000 | 0.00 |
| 1672 | 2763 | 5390 | 66.00 | 3.00 | 150.0000 | 0.00 |
| 1673 | 5390 | 2755 | 101.00 | 3.00 | 150.0000 | 0.00 |
| 1674 | 2755 | 1347 | 185.00 | 3.00 | 150.0000 | 0.00 |

| 1675 | 1347 | 2749 | 187.00 | 3.00 | 150.0000 | 0.00 |
|------|--------------------|------|---------|------|----------|------|
| 1676 | 2749 | 2750 | 47.00 | 3.00 | 150.0000 | 0.00 |
| 1677 | 5390 | 2767 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 1678 | 2767 | 7060 | 79.00 | 2.00 | 150.0000 | 0.00 |
| 1679 | 7060 | 2738 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 1680 | 2738 | 7061 | 105.00 | 2.00 | 150.0000 | 0.00 |
| 1681 | 7061 | 2765 | 164.00 | 2.00 | 150.0000 | 0.00 |
| 1682 | 2765 | 7062 | 54.00 | 2.00 | 150.0000 | 0.00 |
| 1683 | 7062 | 2768 | 129.00 | 2.00 | 150.0000 | 0.00 |
| 1684 | 5386 | 2726 | 83.00 | 3.00 | 150.0000 | 0.00 |
| 1685 | 5274 | 1547 | 1241.00 | 8.00 | 150.0000 | 0.00 |
| 1686 | 1547 | 2437 | 241.00 | 8.00 | 150.0000 | 0.00 |
| 1687 | 2437 | 905 | 111.00 | 8.00 | 150.0000 | 0.00 |
| 1688 | 905 | 5391 | 2275.00 | 8.00 | 150.0000 | 0.00 |
| 1689 | 5391 | 5392 | 1678.00 | 8.00 | 150.0000 | 0.00 |
| 1690 | 5392 | 902 | 80.00 | 8.00 | 150.0000 | 0.00 |
| 1691 | 5392 | 2393 | 635.00 | 6.00 | 150.0000 | 0.00 |
| 1692 | 902 | 5393 | 597.00 | 8.00 | 150.0000 | 0.00 |
| 1693 | 5393 | 904 | 344.00 | 8.00 | 150.0000 | 0.00 |
| 1694 | 904 | 5394 | 51.00 | 8.00 | 150.0000 | 0.00 |
| 1696 | 5395 J imNe | | 340.00 | 6.00 | 150.0000 | 0.00 |
| 1697 | 5395 | 2250 | 750.00 | 6.00 | 150.0000 | 0.00 |
| 1698 | 2250 | 5396 | 109.00 | 6.00 | 150.0000 | 0.00 |
| 1699 | 5396 | 2120 | 221.00 | 2.00 | 150.0000 | 0.00 |
| 1700 | 2120 | 2360 | 534.00 | 2.00 | 150.0000 | 0.00 |
| 1701 | 2360 | 2499 | 291.00 | 2.00 | 150.0000 | 0.00 |
| 1702 | 2499 | 2533 | 609.00 | 2.00 | 150.0000 | 0.00 |
| 1702 | 2533 | 1349 | 189.00 | 2.00 | 150.0000 | 0.00 |
| 1704 | 1349 | 2598 | 267.00 | 2.00 | 150.0000 | 0.00 |
| 1705 | 2598 | 2500 | 437.00 | 2.00 | 150.0000 | 0.00 |
| 1706 | 5396 | 330 | 447.00 | 6.00 | 150.0000 | 0.00 |
| 1707 | 1248 | 330 | 1333.00 | 6.00 | 150.0000 | 0.00 |
| 1708 | 5397 | 1248 | 5049.00 | 6.00 | 150.0000 | 0.00 |
| 1709 | 5398 | 1468 | 1049.00 | 6.00 | 150.0000 | 0.00 |
| 1710 | 1468 | 1995 | 47.00 | 6.00 | 150.0000 | 0.00 |
| 1711 | 2405 | 2367 | 965.00 | 6.00 | 150.0000 | 0.00 |
| 1712 | 2367 | 1824 | 44.00 | 6.00 | 150.0000 | 0.00 |
| 1713 | 5398 | 5579 | 3830.00 | 6.00 | 150.0000 | 0.00 |
| 1714 | 5398 | 5399 | 796.00 | 6.00 | 150.0000 | 0.00 |
| 1715 | 5399 | 5400 | 2816.00 | 3.00 | 150.0000 | 0.00 |
| 1716 | 5400 | 2077 | 4983.00 | 3.00 | 150.0000 | 0.00 |
| 1717 | 2077 | 5401 | 34.00 | 3.00 | 150.0000 | 0.00 |
| 1718 | 5401 | 2442 | 370.00 | 3.00 | 150.0000 | 0.00 |
| 1719 | 2442 | 5402 | 284.00 | 3.00 | 150.0000 | 0.00 |
| 1720 | 5402 | 2505 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 1721 | 2505 | 2296 | 365.00 | 2.00 | 150.0000 | 0.00 |
| 1722 | 2296 | 2153 | 124.00 | 2.00 | 150.0000 | 0.00 |
| 1723 | 2153 | 5403 | 188.00 | 2.00 | 150.0000 | 0.00 |
| 1724 | 5403 | 2129 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 1725 | 5403 | 5404 | 112.00 | 2.00 | 150.0000 | 0.00 |
| 1726 | 5404 | 5405 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 1727 | 5405 | 8016 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 1728 | 5405 | 2189 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1729 | 5404 | 2501 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 1730 | 2501 | 736 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1731 | 736 | 2683 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 1732 | 2683 | 1724 | 270.00 | 2.00 | 150.0000 | 0.00 |
| 1733 | 1724 | 1773 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 1734 | 5402 | 2565 | 84.00 | 3.00 | 150.0000 | 0.00 |
| 1735 | 2565 | 2023 | 101.00 | 3.00 | 150.0000 | 0.00 |
| 1736 | 2023 | 5406 | 97.00 | 3.00 | 150.0000 | 0.00 |
| 1737 | 5406 | 368 | 53.00 | 3.00 | 150.0000 | 0.00 |
| 1738 | 368 | 1433 | 44.00 | 3.00 | 150.0000 | 0.00 |
| 1739 | 1433 | 5407 | 843.00 | 3.00 | 150.0000 | 0.00 |
| 1740 | 5407 | 1043 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1741 | 1043 | 2535 | 62.00 | 2.00 | 150.0000 | 0.00 |
| 1742 | 2535 | 2071 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 1742 | 2071 | 2353 | 389.00 | 2.00 | 150.0000 | 0.00 |
| 1744 | 2353 | 1876 | 233.00 | 2.00 | 150.0000 | 0.00 |
| 1745 | 1876 | 5408 | 30.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1746 | 5408 | 2082 | 59.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| | | 8045 | | | | |
| 1747 | 2082 | | 303.00 | 2.00 | 150.0000 | 0.00 |
| 1748 | 8045 | 2073 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 1749 | 2073 | 1415 | 24.00 | 2.00 | 150.0000 | 0.00 |
| 1750 | 1415 | 2700 | 116.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1751 | 2700 | 2303 | 151.00 | 2.00 | 150.0000 | 0.00 |
| 1752 | 2303 | 846 | 271.00 | 2.00 | 150.0000 | 0.00 |
| 1753 | 846 | 1952 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 1754 | 1952 | 2241 | 531.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1755 | 5408 | 2342 | 218.00 | 2.00 | 150.0000 | 0.00 |
| 1756 | 5407 | 634 | 185.00 | 2.00 | 150.0000 | 0.00 |
| 1757 | 634 | 2370 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 1758 | 7063 | 2080 | 73.00 | 2.00 | 150.0000 | 0.00 |
| | | 2059 | | | | |
| 1759 | 2080 | | 174.00 | 2.00 | 150.0000 | 0.00 |
| 1760 | 2059 | 8017 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 1761 | 8017 | 2221 | 143.00 | 2.00 | 150.0000 | 0.00 |
| 1762 | 2221 | 2390 | 58.00 | 2.00 | 150.0000 | 0.00 |
| | | 2083 | | | | |
| 1763 | 2390 | | 503.00 | 2.00 | 150.0000 | 0.00 |
| 1764 | 5409 | 5399 | 2574.00 | 8.00 | 150.0000 | 0.00 |
| 1765 | 5409 | 585 | 144.00 | 8.00 | 150.0000 | 0.00 |
| 1766 | 585 | 5410 | 840.00 | 8.00 | 150.0000 | 0.00 |
| | 5410 | | 942.00 | 4.00 | | |
| 1767 | | 5411 | | | 150.0000 | 0.00 |
| 1768 | 5411 | 5412 | 549.00 | 4.00 | 150.0000 | 0.00 |
| 1769 | 5412 | 1482 | 348.00 | 3.00 | 150.0000 | 0.00 |
| 1770 | 1482 | 627 | 681.00 | 3.00 | 150.0000 | 0.00 |
| 1771 | 627 | 1569 | 447.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1772 | 1569 | 20 | 25.00 | 3.00 | 150.0000 | 0.00 |
| 1773 | 20 | 489 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 1774 | 489 | 2610 | 161.00 | 3.00 | 150.0000 | 0.00 |
| 1775 | 2610 | 2197 | 113.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1776 | 5413 | 31 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 1777 | 31 | 1245 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 1778 | 5413 | 262 | 97.00 | 3.00 | 150.0000 | 0.00 |
| 1779 | 262 | 5412 | 1205.00 | 3.00 | 150.0000 | 0.00 |
| | 2197 | 5413 | 32.00 | 3.00 | | |
| 1780 | | | | | 150.0000 | 0.00 |
| 1781 | 5410 | 5414 | 410.00 | 8.00 | 150.0000 | 0.00 |
| 1782 | 5414 | 5416 | 257.00 | 8.00 | 150.0000 | 0.00 |
| 1783 | 5416 | 5415 | 591.00 | 8.00 | 150.0000 | 0.00 |
| 1785 | 5417 | 5418 | 390.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1786 | 5418 | 2599 | 144.00 | 4.00 | 150.0000 | 0.00 |
| 1787 | 2599 | 5419 | 144.00 | 4.00 | 150.0000 | 0.00 |
| 1788 | 5419 | 5420 | 664.00 | 4.00 | 150.0000 | 0.00 |
| 1789 | 5420 | 5421 | 647.00 | 4.00 | 150.0000 | 0.00 |
| | 5421 | 5422 | 362.00 | 4.00 | | |
| 1790 | | | | | 150.0000 | 0.00 |
| 1791 | 5422 | 5424 | 1118.00 | 3.00 | 150.0000 | 0.00 |
| 1792 | 5424 | 5425 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 1793 | 5425 | 5426 | 11.00 | 2.00 | 150.0000 | 0.00 |
| 1794 | 5426 | 8028 | 60.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1795 | 8028 | 562 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 1796 | 562 | 1025 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1797 | 1025 | 5427 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 1798 | 5427 | 947 | 114.00 | 2.00 | 150.0000 | 0.00 |
| | 947 | 1167 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 1799 | | | | | | |
| 1800 | 5427 | 512 | 97.00 | 2.00 | 150.0000 | 0.00 |
| 1801 | 512 | 1271 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 1802 | 1271 | 8040 | 52.00 | 2.00 | 150.0000 | 0.00 |
| 1803 | 8040 | 8042 | 26.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1804 | 8042 | 8041 | 21.00 | 2.00 | 150.0000 | 0.00 |
| 1805 | 8041 | 993 | 161.00 | 2.00 | 150.0000 | 0.00 |
| 1806 | 993 | 863 | 61.00 | 2.00 | 150.0000 | 0.00 |
| 1807 | 863 | 2161 | 26.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1808 | 2161 | 1366 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 1809 | 5428 | 1123 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 1810 | 1123 | 2640 | 303.00 | 2.00 | 150.0000 | 0.00 |
| 1811 | 2640 | 1337 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1812 | 1337 | 1042 | 125.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1813 | 1042 | 49 | 74.00 | 2.00 | 150.0000 | 0.00 |
| 1814 | 49 | 2401 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 1815 | 2401 | 1404 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1816 | 1404 | 1211 | 113.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1817 | 1211 | 5429 | 106.00 | 2.00 | 150.0000 | 0.00 |

| 1818 | 5428 | 415 | 63.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|--------|------|----------|------|
| 1819 | 5429 | 590 | 258.00 | 2.00 | 150.0000 | 0.00 |
| 1820 | 590 | 1165 | 106.00 | 2.00 | 150.0000 | 0.00 |
| | 1165 | 540 | 60.00 | | | |
| 1821 | | | | 2.00 | 150.0000 | 0.00 |
| 1822 | 540 | 91 | 191.00 | 2.00 | 150.0000 | 0.00 |
| 1823 | 91 | 1918 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1824 | 1918 | 1033 | 282.00 | 2.00 | 150.0000 | 0.00 |
| 1825 | 1033 | 596 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1826 | 596 | 5430 | 142.00 | 2.00 | 150.0000 | 0.00 |
| 1827 | 5430 | 5431 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1828 | 5431 | 5432 | | 2.00 | | 0.00 |
| | | | 10.00 | | 150.0000 | |
| 1829 | 5432 | 645 | 52.00 | 2.00 | 150.0000 | 0.00 |
| 1830 | 645 | 2528 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1831 | 2528 | 817 | 111.00 | 2.00 | 150.0000 | 0.00 |
| 1832 | 817 | 1357 | 21.00 | 2.00 | 150.0000 | 0.00 |
| 1833 | 5432 | 5433 | 996.00 | 6.00 | 150.0000 | 0.00 |
| 1834 | 5432 | 5434 | 166.00 | 6.00 | 150.0000 | 0.00 |
| 1835 | 5430 | 5435 | 146.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1836 | 5429 | 2388 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 1837 | 2388 | 1603 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 1838 | 1603 | 8063 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1839 | 8063 | 168 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 1840 | 168 | 513 | 245.00 | 2.00 | 150.0000 | 0.00 |
| 1841 | 513 | 2562 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1842 | 2562 | 90 | 251.00 | 2.00 | 150.0000 | 0.00 |
| 1843 | 90 | 5435 | 112.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1844 | 5435 | 5434 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1845 | 5434 | 1584 | 78.00 | 2.00 | 150.0000 | 0.00 |
| 1846 | 1584 | 1958 | 220.00 | 2.00 | 150.0000 | 0.00 |
| 1847 | 1958 | 163 | 196.00 | 2.00 | 150.0000 | 0.00 |
| 1848 | 163 | 2064 | 584.00 | 2.00 | 150.0000 | 0.00 |
| 1849 | 2064 | 1310 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 1850 | 1310 | 83 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1851 | 83 | 560 | 174.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1852 | 560 | 297 | 191.00 | 2.00 | 150.0000 | 0.00 |
| 1853 | 5434 | 5436 | 319.00 | 6.00 | 150.0000 | 0.00 |
| 1854 | 297 | 5437 | 16.00 | 2.00 | 150.0000 | 0.00 |
| 1855 | 5437 | 5438 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 1856 | 5438 | 826 | 224.00 | 2.00 | 150.0000 | 0.00 |
| 1857 | 826 | 86 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1858 | 86 | 960 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 1859 | 960 | 2329 | 454.00 | 2.00 | 150.0000 | 0.00 |
| | 5439 | 5440 | 132.00 | 2.00 | 150.0000 | |
| 1860 | | | | | | 0.00 |
| 1861 | 5439 | 1594 | 18.00 | 2.00 | 150.0000 | 0.00 |
| 1862 | 1594 | 5436 | 32.00 | 2.00 | 150.0000 | 0.00 |
| 1863 | 5436 | 1568 | 64.00 | 2.00 | 150.0000 | 0.00 |
| 1864 | 1568 | 559 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1865 | 559 | 2652 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1866 | 2652 | 153 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1867 | 153 | 8044 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1868 | 8044 | 1540 | 115.00 | 2.00 | 150.0000 | 0.00 |
| | | 1441 | 82.00 | 2.00 | 150.0000 | |
| 1869 | 1540 | | | | | 0.00 |
| 1870 | 2329 | 5439 | 87.00 | 2.00 | 150.0000 | 0.00 |
| 1871 | 5436 | 5441 | 134.00 | 6.00 | 150.0000 | 0.00 |
| 1872 | 5438 | 5442 | 134.00 | 3.00 | 150.0000 | 0.00 |
| 1873 | 5442 | 5443 | 133.00 | 3.00 | 150.0000 | 0.00 |
| 1874 | 5443 | 2086 | 184.00 | 2.00 | 150.0000 | 0.00 |
| 1875 | 2086 | 436 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 1876 | 436 | 8065 | 146.00 | 2.00 | 150.0000 | 0.00 |
| | | | 65.00 | | | |
| 1877 | 5443 | 2299 | | 2.00 | 150.0000 | 0.00 |
| 1878 | 2299 | 5444 | 62.00 | 2.00 | 150.0000 | 0.00 |
| 1879 | 5444 | 5445 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 1880 | 5445 | 300 | 93.00 | 2.00 | 150.0000 | 0.00 |
| 1881 | 300 | 5446 | 141.00 | 2.00 | 150.0000 | 0.00 |
| 1882 | 5437 | 5446 | 896.00 | 2.00 | 150.0000 | 0.00 |
| 1883 | 5443 | 5447 | 117.00 | 3.00 | 150.0000 | 0.00 |
| | | 1548 | 94.00 | 2.00 | 150.0000 | 0.00 |
| 1884 | 5440 | | | | | |
| 1885 | 1548 | 430 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1886 | 430 | 148 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1887 | 148 | 887 | 251.00 | 2.00 | 150.0000 | 0.00 |
| 1888 | 887 | 804 | 50.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1889 | 5447 | 5448 | 237.00 | 3.00 | 150.0000 | 0.00 |
|--------------|--------------|------------|-----------------|------|----------------------|------|
| 1890 | 5448 | 5449 | 152.00 | 6.00 | 150.0000 | 0.00 |
| 1891 | 5440 | 5441 | 55.00 | 6.00 | 150.0000 | 0.00 |
| 1892 | 5441 | 5450 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 1893 | 5448 | 5450 | 615.00 | 6.00 | 150.0000 | 0.00 |
| 1894 | 5449 | 1008 | 84.00 | 2.00 | 150.0000 | 0.00 |
| 1895 | 1008 | 2651 | 36.00 | 2.00 | 150.0000 | 0.00 |
| 1896 | 2651 | 939 | 138.00 | 2.00 | 150.0000 | |
| | 939 | 7064 | | | | 0.00 |
| 1897 | | | 102.00 | 2.00 | 150.0000 | 0.00 |
| 1898 | 7064 | 7065 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1899 | 7065 | 946
515 | 165.00 | 2.00 | 150.0000 | 0.00 |
| 1900 | 946 | 515 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1901 | 515 | 1452 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 1902 | 1452 | 8019 | 34.00 | 2.00 | 150.0000 | 0.00 |
| 1903 | 5449 | 5451 | 124.00 | 6.00 | 150.0000 | 0.00 |
| 1904 | 5451 | 5452 | 159.00 | 6.00 | 150.0000 | 0.00 |
| 1905 | 5452 | 5454 | 17.00 | 6.00 | 150.0000 | 0.00 |
| 1906 | 5454 | 5453 | 28.00 | 6.00 | 150.0000 | 0.00 |
| 1907 | 5 455 | 5456 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1908 | 5453 | 5455 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1909 | 5456 | 30 | 299.00 | 2.00 | 150.0000 | 0.00 |
| 1910 | 30 | 8023 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1911 | 8023 | 1014 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 1912 | 1014 | 897 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1913 | 897 | 390 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 1914 | 390 | 8020 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1915 | 8020 | 8021 | 34.00 | 2.00 | 150.0000 | 0.00 |
| 1916 | 8021 | 8027 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1917 | 8027 | 142 | 104.00 | 2.00 | 150.0000 | 0.00 |
| 1918 | 142 | 2002 | 188.00 | 2.00 | 150.0000 | 0.00 |
| 1919 | 2002 | 1083 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 1920 | 2002 | 8049 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1921 | 5454 | 5457 | 359.00 | 3.00 | 150.0000 | 0.00 |
| 1922 | 5457 | 5458 | 342.00 | 3.00 | 150.0000 | 0.00 |
| 1923 | 5458 | 5428 | 54.00 | 3.00 | 150.0000 | 0.00 |
| 1924 | 5456 | 41 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 1925 | 41 | 1399 | 84.00 | 2.00 | 150.0000 | 0.00 |
| 1926 | 1399 | 1288 | 231.00 | 2.00 | 150.0000 | 0.00 |
| 1927 | 1288 | 5428 | 367.00 | 2.00 | 150.0000 | 0.00 |
| 1928 | 5453 | 5459 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 1929 | 5459 | 5460 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 1930 | 5460 | 969 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1931 | 5460 | 2368 | 169.00 | 2.00 | 150.0000 | 0.00 |
| 1932 | 2368 | 2588 | 114.00 | 2.00 | 150.0000 | 0.00 |
| 1933 | 2588 | 8053 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 1934 | 8053 | 5461 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1935 | 5449 | 5461 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1936 | 5461 | 727 | 50.00 | 2.00 | 150.0000 | 0.00 |
| | | 139 | 25.00 | 2.00 | | |
| 1937
1938 | 727 | 2233 | | 2.00 | 150.0000 | 0.00 |
| | 139 | 814 | 10.00
300.00 | 2.00 | 150.0000
150.0000 | 0.00 |
| 1939 | 2233 | 5444 | | | | 0.00 |
| 1940 | 814 | | 166.00 | 2.00 | 150.0000 | 0.00 |
| 1941 | 5446 | 720 | 139.00 | 2.00 | 150.0000 | 0.00 |
| 1942 | 720 | 2260 | 421.00 | 2.00 | 150.0000 | 0.00 |
| 1943 | 2260 | 2060 | 106.00 | 2.00 | 150.0000 | 0.00 |
| 1944 | 2060 | 5602 | 663.00 | 2.00 | 150.0000 | 0.00 |
| 1945 | 5602 | 2518 | 425.00 | 2.00 | 150.0000 | 0.00 |
| 1946 | 2518 | 2267 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 1947 | 2267 | 2466 | 14.00 | 2.00 | 150.0000 | 0.00 |
| 1948 | 5415 | 5417 | 55.00 | 6.00 | 150.0000 | 0.00 |
| 1950 | 5463 | 5462 | 928.00 | 6.00 | 150.0000 | 0.00 |
| 1951 | 5455 | 5464 | 844.00 | 2.00 | 150.0000 | 0.00 |
| 1952 | 5453 | 5417 | 454.00 | 6.00 | 150.0000 | 0.00 |
| 1953 | 5459 | 5465 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 1954 | 5418 | 5464 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1955 | 5464 | 292 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 1956 | 292 | 464 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1957 | 464 | 418 | 321.00 | 2.00 | 150.0000 | 0.00 |
| 1958 | 418 | 46 | 264.00 | 2.00 | 150.0000 | 0.00 |
| 1959 | 46 | 1611 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 1960 | 1611 | 507 | 81.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1961 | 507 | 5466 | 235.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|--------|------|----------|------|
| | 5466 | 962 | | | | |
| 1962 | | | 85.00 | 2.00 | 150.0000 | 0.00 |
| 1963 | 962 | 8034 | 54.00 | 2.00 | 150.0000 | 0.00 |
| 1964 | 8034 | 8029 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1965 | 8029 | 8030 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1966 | 8030 | 5467 | 121.00 | 2.00 | 150.0000 | 0.00 |
| | 5467 | 1502 | 65.00 | | | |
| 1967 | | | | 2.00 | 150.0000 | 0.00 |
| 1968 | 5468 | 1637 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 1969 | 5422 | 5468 | 184.00 | 2.00 | 150.0000 | 0.00 |
| 1970 | 1502 | 5468 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 1971 | 5467 | 8036 | 270.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1972 | 8036 | 1486 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 1973 | 1486 | 534 | 37.00 | 2.00 | 150.0000 | 0.00 |
| 1974 | 534 | 8031 | 168.00 | 2.00 | 150.0000 | 0.00 |
| 1975 | 8031 | 2035 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 1976 | 2035 | 994 | 116.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 1977 | 994 | 5466 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 1978 | 5422 | 5423 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1979 | 5423 | 607 | 75,00 | 2.00 | 150.0000 | 0.00 |
| 1980 | 607 | 2239 | 50.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1981 | 2239 | 12 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 1982 | 12 | 957 | 85.00 | 2.00 | 150.0000 | 0.00 |
| 1983 | 957 | 117 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1984 | 117 | 116 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1985 | 116 | 391 | 50.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1986 | 391 | 1417 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1987 | 1417 | 936 | 68.00 | 2.00 | 150.0000 | 0.00 |
| 1988 | 936 | 758 | 62.00 | 2.00 | 150.0000 | 0.00 |
| 1989 | 758 | 5426 | 506.00 | 2.00 | 150.0000 | 0.00 |
| 1990 | 5423 | 1311 | 10.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 1991 | 1311 | 457 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1992 | 457 | 973 | 171.00 | 2.00 | 150.0000 | 0.00 |
| 1993 | 973 | 38 | 164.00 | 2.00 | 150.0000 | 0.00 |
| 1994 | 38 | 738 | 66.00 | 2.00 | 150.0000 | 0.00 |
| | 738 | 934 | 59.00 | 2.00 | 150.0000 | |
| 1995 | | | | | | 0.00 |
| 1996 | 934 | 528 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1997 | 528 | 93 | 43.00 | 2.00 | 150.0000 | 0.00 |
| 1998 | 93 | 1394 | 391.00 | 2.00 | 150.0000 | 0.00 |
| 1999 | 1394 | 806 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2000 | 806 | 8035 | 150.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2001 | 8035 | 5469 | 66.00 | 2.00 | 150.0000 | 0.00 |
| 2002 | 5469 | 1554 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 2003 | 1554 | 269 | 457.00 | 2.00 | 150.0000 | 0.00 |
| 2004 | 269 | 270 | 33.00 | 2.00 | 150.0000 | 0.00 |
| 2005 | 5464 | 2608 | 128.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 2006 | 270 | 2608 | 193.00 | 2.00 | | 0.00 |
| 2007 | 5433 | 1358 | 241.00 | 6.00 | 150.0000 | 0.00 |
| 2008 | 1358 | 279 | 185.00 | 6.00 | 150.0000 | 0.00 |
| 2009 | 279 | 5470 | 167.00 | 6.00 | 150.0000 | 0.00 |
| 2010 | 5470 | 101 | 103.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2011 | 5470 | 913 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 2012 | 913 | 67 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 2013 | 101 | 2347 | 144.00 | 4.00 | 150.0000 | 0.00 |
| 2014 | 67 | 227 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 2015 | 227 | 100 | 123.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2016 | 100 | 131 | 108.00 | 2.00 | 150.0000 | 0.00 |
| 2017 | 131 | 141 | 175.00 | 2.00 | 150.0000 | 0.00 |
| 2018 | 2347 | 600 | 500.00 | 4.00 | 150.0000 | 0.00 |
| 2019 | 141 | 649 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2020 | 649 | 551 | 157.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2021 | 551 | 1197 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2022 | 1197 | 484 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2023 | 484 | 1570 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2024 | 1570 | 1308 | 25.00 | 2.00 | 150.0000 | 0.00 |
| | | | 180.00 | | 150.0000 | |
| 2025 | 1308 | 1432 | | 2.00 | | 0.00 |
| 2026 | 1432 | 671 | 162.00 | 2.00 | 150.0000 | 0.00 |
| 2027 | 600 | 589 | 798.00 | 4.00 | 150.0000 | 0.00 |
| 2028 | 671 | 1328 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2029 | 1328 | 5471 | 222.00 | 2.00 | 150.0000 | 0.00 |
| 2020 | 589 | 5472 | 305.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2031 | 5471 | 5472 | 30.00 | 2.00 | 150.0000 | 0.00 |

| 2032 | 5471 | 1102 | 13.00 | 2.00 | 150.0000 | 0.00 |
|--------------|--------------|--------------|---------|------|----------------------|--------------|
| 2033 | 1102 | 1095 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2034 | 1095 | 951 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2035 | 951 | 1094 | 81.00 | 2.00 | 150.0000 | 0.00 |
| 2036 | 1094 | 874 | 111.00 | 2.00 | 150.0000 | 0.00 |
| 2037 | 874 | 624 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2038 | 624 | 827 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2039 | 827 | 705 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 2040 | 5472 | 2410 | 535.00 | 4.00 | 150.0000 | 0.00 |
| 2041 | 2410 | 640 | 73.00 | 4.00 | 150.0000 | 0.00 |
| 2042 | 640 | 5473 | 37.00 | 4.00 | 150.0000 | 0.00 |
| 2043 | 705 | 5474 | 242.00 | 2.00 | 150.0000 | 0.00 |
| 2043 | 5473 | 1991 | 85.00 | 3.00 | 150.0000 | 0.00 |
| 2045 | 1991 | 2609 | 68.00 | 3.00 | 150.0000 | 0.00 |
| 2045 | 5477 | 1305 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2047 | 1305 | 251 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2048 | 251 | 1497 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2049 | 2609 | 1870 | 551.00 | 3.00 | 150.0000 | 0.00 |
| 2050 | 1870 | 5475 | 103.00 | 3.00 | 150.0000 | 0.00 |
| 2051 | 5475 | 1668 | 16.00 | 2.00 | 150.0000 | 0.00 |
| 2052 | 5475 | 5476 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2052 | 1497 | 5476 | 550.00 | 2.00 | 150.0000 | 0.00 |
| 2053 | 5476 | 2100 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 2054 | 2100 | 1424 | 32.00 | 2.00 | 150.0000 | 0.00 |
| | 1424 | 1496 | 78.00 | 2.00 | 150.0000 | |
| 2056 | 1496 | 1822 | 235.00 | 2.00 | 150.0000 | 0.00
0.00 |
| 2057 | 1822 | 291 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 2058 | 291 | 5470 | 134.00 | 2.00 | 150.0000 | 0.00 |
| 2059 | 5474 | 5477 | 36.00 | 2.00 | 150.0000 | 0.00 |
| 2060 | 5474
5474 | 5478 | 149.00 | 2.00 | 150.0000 | 0.00 |
| 2061 | 5478 | 1542 | 81.00 | 2.00 | 150.0000 | |
| 2062 | 1542 | 2654 | 69.00 | 2.00 | 150.0000 | 0.00 |
| 2063 | 5478 | 5483 | 351.00 | 2.00 | 150.0000 | 0.00 |
| 2064 | 5477 | 642 | 404.00 | 2.00 | | 0.00 |
| 2065 | 642 | 370 | 53.00 | 2.00 | 150.0000
150.0000 | 0.00 |
| 2066 | 862 | 525 | 207.00 | 2.00 | 150.0000 | 0.00 |
| 2067
2068 | 525 | 92 | 553.00 | 2.00 | 150.0000 | 0.00
0.00 |
| 2069 | 92 | 2510 | 255.00 | 2.00 | 150.0000 | 0.00 |
| | 2510 | 1790 | 33.00 | 2.00 | 150.0000 | |
| 2070
2071 | | 1341 | 32.00 | 2.00 | 150.0000 | 0.00 |
| | 1790
1341 | 5479 | 297.00 | 2.00 | 150.0000 | 0.00
0.00 |
| 2072 | 5479 | 5480 | 323.00 | 2.00 | 150.0000 | 0.00 |
| 2073 | 5480 | 1828 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2074
2075 | 1828 | 995 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2075 | 1898 | 1828 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 2076 | 5479 | 5485 | 172.00 | 2.00 | 150.0000 | 0.00 |
| 2077 | 1736 | 209 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 2078 | 209 | 282 | 12.00 | 2.00 | 150.0000 | 0.00 |
| 2080 | 282 | 354 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 2080 | 354 | 1078 | 76.00 | 2.00 | 150.0000 | 0.00 |
| 2081 | 1078 | 1044 | 99.00 | 2.00 | 150.0000 | 0.00 |
| 2082 | 1044 | 266 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 2083 | 266 | 1686 | 151.00 | 2.00 | 150.0000 | 0.00 |
| 2085 | 1686 | 729 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 2086 | 729 | 813 | 251.00 | 2.00 | 150.0000 | 0.00 |
| 2085 | 813 | 1437 | 103.00 | 2.00 | 150.0000 | 0.00 |
| | 1437 | 2447 | 77.00 | 2.00 | 150.0000 | 0.00 |
| 2088 | 2447 | 1168 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 2089 | 1168 | 605 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 2090
2091 | 605 | 307 | 25.00 | 2.00 | 150.0000 | 0.00 |
| | | 5481 | 360.00 | 2.00 | 150.0000 | 0.00 |
| 2092 | 307
370 | 5481 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2093 | 5483 | 862 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 2094 | | 5482 | 532.00 | 3.00 | 150.0000 | 0.00 |
| 2095 | 5473
5482 | 5484
5484 | 589.00 | 3.00 | 150.0000 | 0.00 |
| 2096 | 5482
5485 | 1736 | 71.00 | 2.00 | 150.0000 | 0.00 |
| 2097 | 5485
5481 | | 30.00 | 3.00 | 150.0000 | |
| 2098 | 5481 | 5482
5483 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2099 | 5482 | 5485 | 31.00 | 3.00 | 150.0000 | 0.00 |
| 2100 | 5484
5463 | 2534 | 246.00 | 6.00 | 150.0000 | 0.00 |
| 2101 | | 999 | 1154.00 | 6.00 | 150.0000 | 0.00 |
| 2102 | 2534 | 227 | 1154.00 | 6.00 | 150.0000 | 0.00 |

| 2103 | 999 | 5486 | 208.00 | 6.00 | 150.0000 | 0.00 |
|---------|---------|------|---------|-------|----------|------|
| 2104 | 5486 | 5489 | 2591.00 | 6.00 | 150.0000 | 0.00 |
| | 5488 | 5490 | 43.00 | 4.00 | 150.0000 | |
| 2105 | | | | | | 0.00 |
| 2106 | 5490 | 5615 | 255.00 | 3.00 | 150.0000 | 0.00 |
| 2107 | 5488 | 5616 | 109.00 | 3.00 | 150.0000 | 0.00 |
| 2108 | 5489 | 5487 | 470.00 | 6.00 | 150.0000 | 0.00 |
| 2109 | 5615 | 5491 | 48.00 | 3.00 | 150.0000 | 0.00 |
| 2110 | 5616 | 5492 | 727.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2111 | 5491 | 5493 | 552.00 | 3.00 | 150.0000 | 0.00 |
| 2112 | 5487 | 5494 | 1626.00 | 6.00 | 150.0000 | 0.00 |
| 2113 | 5492 | 5495 | 1250.00 | 3.00 | 150.0000 | 0.00 |
| 2114 | 5494 | 5495 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 2115 | 5614WTM | | 18.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2116 | FGN-AA | 5614 | 30.00 | 6.00 | 150.0000 | 0.00 |
| 2117-CV | FGN-TT | 5496 | 243.00 | 10.00 | 150.0000 | 0.00 |
| 2118-XX | 5494 | 5617 | 182.00 | 6.00 | 150.0000 | 0.00 |
| 2119 | 5495 | 5498 | 237.00 | 3.00 | 150.0000 | 0.00 |
| 2120-XX | 5498 | 5497 | 10.00 | 3.00 | 150.0000 | 0.00 |
| | 5497 | 2126 | 4567.00 | 6.00 | 150.0000 | |
| 2121 | | | | | | 0.00 |
| 2122 | 2126 | 2019 | 375.00 | 6.00 | 150.0000 | 0.00 |
| 2123 | 2019 | 5499 | 3934.00 | 6.00 | 150.0000 | 0.00 |
| 2124 | 5499 | 2084 | 924.00 | 2.00 | 150.0000 | 0.00 |
| 2125 | 2084 | 1994 | 1195.00 | 2.00 | 150.0000 | 0.00 |
| 2126 | 5499 | 668 | 716.00 | 6.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2127 | 668 | 5500 | 211.00 | 6.00 | 150.0000 | 0.00 |
| 2128 | 5500 | 1916 | 89.00 | 2.00 | 150.0000 | 0.00 |
| 2129 | 1916 | 2678 | 436.00 | 2.00 | 150.0000 | 0.00 |
| 2130 | 2678 | 2196 | 58.00 | 2.00 | 150.0000 | 0.00 |
| 2131 | 5500 | 5501 | 1559.00 | 6.00 | 150.0000 | 0.00 |
| | 5502 | 8022 | 174.00 | 4.00 | 150.0000 | |
| 2132 | | | | | | 0.00 |
| 2133 | 2644 | 1719 | 433.00 | 3.00 | 150.0000 | 0.00 |
| 2134 | 121 | 8022 | 1611.00 | 6.00 | 150.0000 | 0.00 |
| 2135 | 5503 | 2644 | 1072.00 | 3.00 | 150.0000 | 0.00 |
| 2136 | 1719 | 1911 | 752.00 | 3.00 | 150.0000 | 0.00 |
| 2137 | 1911 | 5661 | 121.00 | 3.00 | 150.0000 | 0.00 |
| | 8022 | J-34 | 1209.00 | 4.00 | 150.0000 | |
| 2139 | | | | | | 0.00 |
| 2143 | 5506 | 2481 | 1845.00 | 8.00 | 150.0000 | 0.00 |
| 2144 | 2481 | 2300 | 1363.00 | 8.00 | 150.0000 | 0.00 |
| 2145 | 2300 | 1104 | 2502.00 | 8.00 | 150.0000 | 0.00 |
| 2146 | 1104 | 5507 | 1706.00 | 8.00 | 150.0000 | 0.00 |
| 2147 | 5507 | 2224 | 1355.00 | 6.00 | 150.0000 | 0.00 |
| | | | | 6.00 | | |
| 2148 | 2224 | 5508 | 1201.00 | | 150.0000 | 0.00 |
| 2149 | 5508 | 2662 | 161.00 | 2.00 | 150.0000 | 0.00 |
| 2150 | 2662 | 1816 | 204.00 | 2.00 | 150.0000 | 0.00 |
| 2151 | 1816 | 2245 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2152 | 2245 | 1052 | 818.00 | 2.00 | 150.0000 | 0.00 |
| 2153 | 1052 | 1976 | 773.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2154 | 1976 | 462 | 256.00 | 2.00 | 150.0000 | 0.00 |
| 2155 | 462 | 1565 | 378.00 | 1.00 | 150.0000 | 0.00 |
| 2156 | 1565 | 1519 | 254.00 | 1.00 | 150.0000 | 0.00 |
| 2157 | 5508 | 755 | 5510.00 | 6.00 | 150.0000 | 0.00 |
| 2158 | 755 | 1541 | 332.00 | 6.00 | 150.0000 | 0.00 |
| | 1541 | | | 6.00 | | 0.00 |
| 2159 | | 2281 | 407.00 | | 150.0000 | |
| 2160 | 2281 | 5509 | 2095.00 | 6.00 | 150.0000 | 0.00 |
| 2161 | 5509 | 1982 | 282.00 | 6.00 | 150.0000 | 0.00 |
| 2162 | 1982 | 5510 | 547.00 | 6.00 | 150.0000 | 0.00 |
| 2163 | 5510 | 5621 | 356.00 | 6.00 | 150.0000 | 0.00 |
| 2164 | 5621 | 5514 | 432.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2165 | 5514 | 5622 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2166 | 5511 | 5623 | 178.00 | 6.00 | 150.0000 | 0.00 |
| 2167 | 5623 | 5624 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2168 | 5623 | 5515 | 519.00 | 6.00 | 150.0000 | 0.00 |
| 2169 | 5514 | 5511 | 130.00 | 6.00 | 150.0000 | 0.00 |
| | | 5516 | 8715.00 | 6.00 | 150.0000 | |
| 2170 | 5515 | | | | | 0.00 |
| 2171 | 5516 | 5517 | 66.00 | 6.00 | 150.0000 | 0.00 |
| 2172 | 5517 | 5518 | 1643.00 | 3.00 | 150.0000 | 0.00 |
| 2173 | 5518 | 5519 | 1140.00 | 3.00 | 150.0000 | 0.00 |
| 2174 | 5519 | 5520 | 800.00 | 3.00 | 150.0000 | 0.00 |
| 2175 | 5520 | 5521 | 239.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2176 | 5521 | 501 | 15.00 | 3.00 | 150.0000 | 0.00 |
| 2177 | 5521 | 84 | 15.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |

| 2178 | 84 | 2544 | 25.00 | 3.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|-----------|------|
| 2179 | 5520 | 5522 | 420.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2180 | 5522 | 75 | 15.00 | 3.00 | 150.0000 | 0.00 |
| 2181 | 5522 | 61 | 15.00 | 3.00 | 150.0000 | 0.00 |
| 2182 | 5519 | 2685 | 731.00 | 3.00 | 150.0000 | 0.00 |
| 2183 | 2685 | 2708 | 107.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2184 | 2708 | 2663 | 97.00 | 3.00 | 150.0000 | 0.00 |
| 2185 | 2663 | 2240 | 105.00 | 3.00 | 150.0000 | 0.00 |
| 2186 | 5518 | 5523 | 1432.00 | 3.00 | 150.0000 | 0.00 |
| 2187 | 5523 | 843 | 3060.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2188 | 843 | 2045 | 41.00 | 3.00 | 150.0000 | 0.00 |
| 2189 | 2045 | 1672 | 112.00 | 3.00 | 150.0000 | 0.00 |
| 2190 | 1672 | 5524 | 101.00 | 3.00 | 150.0000 | 0.00 |
| 2191 | 5524 | 178 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 2192 | 178 | 2709 | 51.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2193 | 2709 | 1664 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 2194 | 1664 | 1977 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 2195 | 1977 | 110 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2196 | 5524 | 5525 | 611.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2197 | 5525 | 5526 | 84.00 | 3.00 | 150.0000 | 0.00 |
| 2198 | 2587 | 2285 | 432.00 | 2.00 | 150.0000 | 0.00 |
| 2199 | 5526 | 2482 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2200 | 2482 | 1532 | 30.00 | 2.00 | 150.0000 | 0.00 |
| | | 2354 | | | | |
| 2201 | 1532 | | 99.00 | 2.00 | 150.0000 | 0.00 |
| 2202 | 2354 | 198 | 203.00 | 2.00 | 150.0000 | 0.00 |
| 2203 | 5525 | 5527 | 20.00 | 3.00 | 150.0000 | 0.00 |
| 2204 | 151 | 2586 | 65.00 | 1.00 | 150.0000 | 0.00 |
| 2205 | 5527 | 151 | 38.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2206 | 5527 | 5528 | 194.00 | 3.00 | 150.0000 | 0.00 |
| 2207 | 5528 | 5529 | 769.00 | 3.00 | 150.0000 | 0.00 |
| 2208 | 5529 | 614 | 121.00 | 2.50 | 150.0000 | 0.00 |
| 2209 | 614 | 253 | 179.00 | 2.50 | 150.0000 | 0.00 |
| | 253 | | | | | |
| 2210 | | 2484 | 100.00 | 2.50 | 150.0000 | 0.00 |
| 2211 | 2484 | 2483 | 131.00 | 2.50 | 150.0000 | 0.00 |
| 2212 | 1945 | 2483 | 1321.00 | 2.50 | 150.0000 | 0.00 |
| 2213 | 1945 | 5530 | 207.00 | 2.50 | 150.0000 | 0.00 |
| 2214 | 5530 | 2519 | 388.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2215 | 2519 | 2327 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 2216 | 2327 | 1333 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 2217 | 1333 | 1779 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 2218 | 1779 | 2186 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 2219 | 2186 | 5531 | 199.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2220 | 5531 | 2133 | 133.00 | 2.00 | 150.0000 | 0.00 |
| 2221 | 2133 | 1001 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 2222 | 5531 | 1655 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2223 | 1655 | 2213 | 634.00 | 2.00 | 150.0000 | 0.00 |
| 2224 | 2213 | 2097 | 187.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2225 | 2097 | 5532 | 291.00 | 2.00 | 150.0000 | 0.00 |
| 2226 | 5517 | 2286 | 2293.00 | 6.00 | 150.0000 | 0.00 |
| 2227 | 2286 | 823 | 203.00 | 6.00 | 150.0000 | 0.00 |
| 2228 | 823 | 5533 | 446,00 | 6.00 | 150.0000 | 0.00 |
| 2229 | 5533 | 5534 | 136.00 | | 1560.0000 | |
| | | | | | | 0.00 |
| 2230 | 5534 | 1513 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2231 | 1513 | 320 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 2232 | 320 | 2279 | 171.00 | 2.00 | 150.0000 | 0.00 |
| 2233 | 5534 | 5535 | 160.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2234 | 5535 | 375 | 575.00 | 2.00 | 150.0000 | 0.00 |
| 2235 | 375 | 548 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2236 | 548 | 2377 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 2237 | 2377 | 2495 | 340.00 | 2.00 | 150.0000 | 0.00 |
| 2238 | 5533 | 2208 | 369.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2239 | 2208 | 5666 | 412.00 | 2.00 | 150.0000 | 0.00 |
| 2240 | 5666 | 1539 | 1426.00 | 2.00 | 150.0000 | 0.00 |
| 2241 | 1539 | 1589 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 2242 | 1589 | 284 | 460.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2243 | 284 | 2597 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 2244 | 5535 | 5536 | 470.00 | 6.00 | 150.0000 | 0.00 |
| 2245 | 5536 | 662 | 430.00 | 2.00 | 150.0000 | 0.00 |
| 2246 | 662 | 2621 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2247 | 2621 | 2096 | 300.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2248 | 2096 | 663 | 671.00 | 2.00 | 150.0000 | 0.00 |

| 2249 | 5536 | 5538 | 333.00 | 6.00 | 150.0000 | 0.00 |
|---------|------|------|----------|-------|----------|------|
| 2250 | 5538 | 5537 | 198.00 | 6.00 | 150.0000 | 0.00 |
| 2251 | 5539 | 5540 | 1808.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2252 | 5540 | 5541 | 575.00 | 3.00 | 150.0000 | 0.00 |
| 2253 | 5541 | 5542 | 785.00 | 3.00 | 150.0000 | 0.00 |
| 2254 | 5505 | 1934 | 4089.00 | 4.00 | 150.0000 | 0.00 |
| 2255 | 1934 | 2154 | 2602.00 | 4.00 | 150.0000 | 0.00 |
| 2256 | 2154 | 2192 | 3373.00 | 4.00 | 150.0000 | 0.00 |
| 2257 | 2192 | 8066 | 57.00 | 4.00 | | |
| | | | | | 150.0000 | 0.00 |
| 2258 | 8066 | 1764 | 161.00 | 4.00 | 150.0000 | 0.00 |
| 2259 | 1764 | 5543 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 2260 | 5543 | 2336 | 703.00 | 2.00 | 150.0000 | 0.00 |
| 2261 | 5543 | 1650 | 253.00 | 4.00 | 150.0000 | 0.00 |
| 2262 | 1650 | 1935 | 455.00 | 4.00 | 150.0000 | 0.00 |
| 2263 | 1935 | 2357 | 594.00 | 4.00 | | 0.00 |
| | | | | | 150.0000 | |
| 2264 | 2357 | 2705 | 52.00 | 4.00 | 150.0000 | 0.00 |
| 2265 | 2705 | 5544 | 1823.00 | 4.00 | 150.0000 | 0.00 |
| 2266 | 5544 | 1768 | 108.00 | 2.00 | 150.0000 | 0.00 |
| 2267 | 1768 | 2553 | 172.00 | 2.00 | 150.0000 | 0.00 |
| 2268 | 2553 | 1796 | 156.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2269 | 1796 | 1793 | 716.00 | 2.00 | 150.0000 | 0.00 |
| 2270 | 1793 | 1797 | 123.00 | 2.00 | 150.0000 | 0.00 |
| 2271 | 1797 | 5545 | 344.00 | 2.00 | 150.0000 | 0.00 |
| 2272 | 5545 | 1783 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2273 | 1783 | 2363 | 24.00 | 2.00 | 150.0000 | 0.00 |
| 2274-XX | 5502 | 5545 | 14880.00 | 10.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2275 | 5544 | 2561 | 107.00 | 4.00 | 150.0000 | 0.00 |
| 2276 | 2561 | 2502 | 1250.00 | 4.00 | 150.0000 | 0.00 |
| 2277 | 2502 | 1734 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 2278 | 1734 | 1785 | 568.00 | 4.00 | 150.0000 | 0.00 |
| 2279 | 1785 | 2661 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 2280 | 2661 | 1444 | 429.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2281 | 1444 | 54 | 172.00 | 4.00 | 150.0000 | 0.00 |
| 2282 | 54 | 1787 | 280.00 | 4.00 | 150.0000 | 0.00 |
| 2283 | 1787 | 5546 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 2284 | 5546 | 1810 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 2285 | 1810 | 2636 | 263.00 | 2.00 | 150.0000 | 0.00 |
| 2286 | 2636 | 2366 | 52.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2287 | 2366 | 8046 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2288 | 5546 | 1782 | 408.00 | 4.00 | 150.0000 | 0.00 |
| 2289 | 1782 | 1636 | 53.00 | 4.00 | 150.0000 | 0.00 |
| 2290 | 1636 | 1795 | 318.00 | 4.00 | 150.0000 | 0.00 |
| 2291 | 1795 | 1770 | 286.00 | 4.00 | 150.0000 | 0.00 |
| 2292 | 1786 | 5548 | 210.00 | 2.00 | 150.0000 | 0.00 |
| 2293 | 1786 | 1807 | 355.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2294 | 5547 | 2375 | 210.00 | 1.00 | 150.0000 | 0.00 |
| 2295 | 1770 | 5547 | 193.00 | 4.00 | 150.0000 | 0.00 |
| 2296 | 5548 | 1808 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2297 | 5547 | 5548 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 2298 | 5548 | 2581 | 192.00 | 4.00 | 150.0000 | 0.00 |
| 2299 | 2581 | 487 | 153.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2300 | 5549 | 1801 | 639.00 | 2.00 | 150.0000 | 0.00 |
| 2301 | 1801 | 2386 | 264.00 | 2.00 | 150.0000 | 0.00 |
| 2302 | 2386 | 1806 | 1515.00 | 2.00 | 150.0000 | 0.00 |
| 2303 | 1806 | 1766 | 156.00 | 2.00 | 150.0000 | 0.00 |
| 2304 | 5549 | 5550 | 689.00 | 3.00 | 150.0000 | 0.00 |
| 2305 | 5550 | 1791 | 114.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2306 | 1791 | 1767 | 531.00 | 3.00 | 150.0000 | 0.00 |
| 2307 | 1767 | 1769 | 2016.00 | 3.00 | 150.0000 | 0.00 |
| 2308 | 1769 | 5551 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 2309 | 5551 | 5552 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2310 | 5552 | 1802 | 125.00 | 3.00 | 150.0000 | 0.00 |
| 2311 | 5552 | 2157 | 40.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2312 | 2157 | 2671 | 229.00 | 2.00 | 150.0000 | 0.00 |
| 2313 | 2671 | 1772 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 2314 | 5551 | 5553 | 635.00 | 3.00 | 150.0000 | 0.00 |
| 2315 | 5553 | 1799 | 248.00 | 2.50 | 150.0000 | 0.00 |
| 2316 | 1799 | 315 | 770.00 | 2.50 | 150.0000 | 0.00 |
| | | | 240.00 | 2.50 | 150.0000 | |
| 2317 | 315 | 1765 | | | | 0.00 |
| 2318 | 1765 | 2138 | 573.00 | 2.50 | 150.0000 | 0.00 |
| 2319 | 2138 | 1792 | 334.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |

| 2320 | 1792 | 1692 | 154.00 | 2.00 | 150.0000 | 0.00 |
|------|--------------|------|---------|------|----------|------|
| 2321 | 1692 | 5554 | 168.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2322 | 5554 | 1560 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 2323 | 1560 | 1096 | 1077.00 | 2.00 | 150.0000 | 0.00 |
| 2324 | 1096 | 1135 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 2325 | 1135 | 2540 | 513.00 | 2.00 | 150.0000 | 0.00 |
| 2326 | 2540 | 1804 | 309.00 | 2.00 | 150.0000 | 0.00 |
| | 1804 | 2287 | 206.00 | 2.00 | | |
| 2327 | | | | | 150.0000 | 0.00 |
| 2328 | 2287 | 1803 | 263.00 | 2.00 | 150.0000 | 0.00 |
| 2329 | 1803 | 1047 | 28.00 | 2.00 | 150.0000 | 0.00 |
| 2330 | 1047 | 1789 | 1559.00 | 2.00 | 150.0000 | 0.00 |
| 2331 | 5553 | 2582 | 230.00 | 3.00 | 150.0000 | 0.00 |
| _ | 2582 | 5555 | 108.00 | 3.00 | 150.0000 | |
| 2332 | | | | | | 0.00 |
| 2333 | 5555 | 428 | 175.00 | 1.00 | 150.0000 | 0.00 |
| 2334 | 5555 | 2212 | 706.00 | 2.50 | 150.0000 | 0.00 |
| 2335 | 2212 | 2601 | 223.00 | 2.50 | 150.0000 | 0.00 |
| 2336 | 2601 | 1798 | 138.00 | 2.50 | 150.0000 | 0.00 |
| 2337 | 1798 | 5556 | 540.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2338 | 5556 | 1778 | 1340.00 | 2.00 | 150.0000 | 0.00 |
| 2339 | 5556 | 7074 | 1165.00 | 2.00 | 150.0000 | 0.00 |
| 2340 | 487 | 2635 | 162.00 | 4.00 | 150.0000 | 0.00 |
| 2341 | 5609 | 505 | 1760.00 | 6.00 | 150.0000 | 0.00 |
| 2342 | 505 | 485 | 27.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2343 | 485 | 461 | 73.00 | 6.00 | 150.0000 | 0.00 |
| 2344 | 461 | 460 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 2345 | 460 | 5557 | 845.00 | 6.00 | 150.0000 | 0.00 |
| 2346 | 5557 | 1465 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 2347 | 1465 | 503 | 88.00 | 6.00 | 150.0000 | 0.00 |
| 2348 | 503 | 1061 | 115.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2349 | 1061 | 5558 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 2350 | 5558 | 5559 | 28.00 | 3.00 | 150.0000 | 0.00 |
| 2351 | 5558 | 532 | 579.00 | 2.00 | 150.0000 | 0.00 |
| 2352 | 532 | 2068 | 392.00 | 2.00 | 150.0000 | 0.00 |
| 2353 | 5559 | 5561 | 454.00 | 1.00 | 150.0000 | 0.00 |
| 2354 | 5561 | 5560 | 495.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2355 | 2068 | 2491 | 591.00 | 2.00 | 150.0000 | 0.00 |
| 2356 | 2491 | 5562 | 1542.00 | 2.00 | 150.0000 | 0.00 |
| 2357 | 5559 | 1732 | 197.00 | 3.00 | 150.0000 | 0.00 |
| 2358 | 1732 | 1895 | 760.00 | 3.00 | 150.0000 | 0.00 |
| 2359 | 1895 | 335 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2360 | 335 | 5563 | 149.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2361 | 161 | 286 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 2362 | 5563 | 5564 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2363 | 5564 | 598 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 2364 | 5564 | 304 | 607.00 | 2.00 | 150.0000 | 0.00 |
| 2365 | 304 | 25 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2366 | 5563 | 1119 | 818.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2367 | 1119 | 1478 | 149.00 | 3.00 | 150.0000 | 0.00 |
| 2368 | 1478 | 9 | 1064.00 | 3.00 | 150.0000 | 0.00 |
| 2369 | 9 | 912 | 581.00 | 3.00 | 150.0000 | 0.00 |
| 2370 | 912 | 321 | 155.00 | 3.00 | 150.0000 | 0.00 |
| 2371 | 321 | 5565 | 502.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2372 | 5565 | 5566 | 24.00 | 4.00 | 150.0000 | 0.00 |
| 2373 | 5566 | 833 | 60.00 | 2.50 | 150.0000 | 0.00 |
| 2374 | 833 | 1118 | 67.00 | 2.50 | 150.0000 | 0.00 |
| 2375 | 1118 | 5567 | 1345.00 | 2.50 | 150.0000 | 0.00 |
| 2376 | 556 5 | 1683 | 110.00 | 2.00 | 150.0000 | 0.00 |
| | 1683 | 1585 | 346.00 | 2.00 | 150.0000 | 0.00 |
| 2377 | | | | | | |
| 2378 | 216 | 1517 | 251.00 | 2.00 | 150.0000 | 0.00 |
| 2379 | 1517 | 2560 | 315.00 | 2.00 | 150.0000 | 0.00 |
| 2380 | 2560 | 824 | 485.00 | 2.00 | 150.0000 | 0.00 |
| 2381 | 824 | 898 | 446.00 | 2.00 | 150.0000 | 0.00 |
| 2382 | 1585 | 216 | 252.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 2383 | 5566 | 5568 | 80.00 | 4.00 | | 0.00 |
| 2384 | 5568 | 5569 | 3645.00 | 4.00 | 150.0000 | 0.00 |
| 2385 | 5569 | 2568 | 1811.00 | 2.00 | 150.0000 | 0.00 |
| 2386 | 2568 | 2569 | 118.00 | 2.00 | 150.0000 | 0.00 |
| 2387 | 5040 | 1909 | 1964.00 | 2.50 | 150.0000 | 0.00 |
| 2388 | 1909 | 1112 | 102.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2389 | 1112 | 2477 | 491.00 | 2.50 | 150.0000 | 0.00 |
| 2390 | 2477 | 1344 | 597.00 | 2.50 | 150.0000 | 0.00 |

| 2391 | 1344 | 546 | 383.00 | 2.50 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 2392 | 546 | 1836 | 66.00 | 2.50 | 150.0000 | 0.00 |
| 2392 | | 1113 | | | | |
| | 1836 | | 125.00 | 2.50 | 150.0000 | 0.00 |
| 2394 | 1113 | 1390 | 92.00 | 2.50 | 150.0000 | 0.00 |
| 2395 | 1390 | 2626 | 121.00 | 2.50 | 150.0000 | 0.00 |
| 2396 | 2626 | 1339 | 71.00 | 2.50 | 150.0000 | 0.00 |
| 2397 | 1339 | 2209 | 20.00 | 2.50 | 150.0000 | 0.00 |
| | 5570 | 1156 | 349.00 | | | |
| 2398 | | | | 4.00 | 150.0000 | 0.00 |
| 2399 | 1156 | 5040 | 531.00 | 4.00 | 150.0000 | 0.00 |
| 2400 | 5040 | 1467 | 711.00 | 4.00 | 150.0000 | 0.00 |
| 2401 | 5375 | 126 | 110.00 | 3.00 | 150.0000 | 0.00 |
| 2402 | 126 | 1690 | 185.00 | 3.00 | 150.0000 | 0.00 |
| 2403 | 1690 | 2207 | 278.00 | 3.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2404 | 2207 | 2088 | 223.00 | 3.00 | 150.0000 | 0.00 |
| 2405 | 2088 | 1617 | 291.00 | 3.00 | 150.0000 | 0.00 |
| 2406 | 1617 | 1610 | 474.00 | 3.00 | 150.0000 | 0.00 |
| 2407 | 1610 | 5356 | 329.00 | 3.00 | 150.0000 | 0.00 |
| 2408 | 5374 | 481 | 81.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2409 | 779 | 547 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2410 | 547 | 77 | 229.00 | 4.00 | 150.0000 | 0.00 |
| 2411 | 1616 | 5364 | 114.00 | 3.00 | 150.0000 | 0.00 |
| 2412 | 5569 | 195 | 988.00 | 4.00 | 150.0000 | 0.00 |
| 2413 | 195 | 2570 | 902.00 | 4.00 | 150.0000 | 0.00 |
| | | | 272.00 | | | |
| 2414 | 2570 | 2572 | | 4.00 | 150.0000 | 0.00 |
| 2415 | 2572 | 2573 | 201.00 | 4.00 | 150.0000 | 0.00 |
| 2416 | 2573 | 2574 | 251.00 | 4.00 | 150.0000 | 0.00 |
| 2417 | 2574 | 2575 | 101.00 | 4.00 | 150.0000 | 0.00 |
| 2418 | 2575 | 2576 | 83.00 | 4.00 | 150.0000 | 0.00 |
| 2419 | 2576 | 2632 | 332.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2420 | 2632 | 2693 | 49.00 | 4.00 | 150.0000 | 0.00 |
| 2421 | 2693 | 2577 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 2422 | 2577 | 5571 | 2869.00 | 4.00 | 150.0000 | 0.00 |
| 2423 | 5572 | 1961 | 1034.00 | 6.00 | 150.0000 | 0.00 |
| 2424 | 1961 | 5573 | 1095.00 | 6.00 | 150.0000 | 0.00 |
| 2425 | 5574 | 1099 | 60.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2426 | 5574 | 1652 | 180.00 | 1.00 | 150.0000 | 0.00 |
| 2427 | 5573 | 5574 | 110.00 | 1.00 | 150.0000 | 0.00 |
| 2428 | 5573 | 1281 | 261.00 | 6.00 | 150.0000 | 0.00 |
| 2429 | 1281 | 204 | 140.00 | 6.00 | 150.0000 | 0.00 |
| 2430 | 204 | 1678 | 140.00 | 6.00 | 150.0000 | 0.00 |
| 2431 | 1678 | 5575 | 191.00 | 6.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2432 | 5575 | 790 | 80.00 | 6.00 | 150.0000 | 0.00 |
| 2433 | 5575 | 992 | 321.00 | 4.00 | 150.0000 | 0.00 |
| 2434 | 790 | 1040 | 321.00 | 6.00 | 150.0000 | 0.00 |
| 2435 | 992 | 2051 | 358.00 | 4.00 | 150.0000 | 0.00 |
| 2436 | 2051 | 5576 | 157.00 | 4.00 | 150.0000 | 0.00 |
| | 5576 | | | | | |
| 2437 | | 1833 | 173.00 | 4.00 | 150.0000 | 0.00 |
| 2438 | 1833 | 1656 | 174.00 | 4.00 | 150.0000 | 0.00 |
| 2439 | 1656 | 5577 | 547.00 | 4.00 | 150.0000 | 0.00 |
| 2440 | 5577 | 2284 | 70.00 | 1.00 | 150.0000 | 0.00 |
| 2441 | 5578 | 5397 | 2555.00 | 6.00 | 150.0000 | 0.00 |
| 2444 | 1995 | 1826 | 94.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2445 | 1826 | 2405 | 59.00 | 6.00 | 150.0000 | 0.00 |
| 2446 | 2284 | 232 | 169.00 | 1.00 | 150.0000 | 0.00 |
| 2447 | 232 | 2173 | 103.00 | 1.00 | 150.0000 | 0.00 |
| 2448 | 5577 | 1315 | 618.00 | 2.00 | 150.0000 | 0.00 |
| 2449 | 1315 | 1520 | 245.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2450 | 1520 | 1834 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 2451 | 1834 | 2319 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 2452 | 2319 | 2667 | 262.00 | 2.00 | 150.0000 | 0.00 |
| 2453 | 2667 | 1674 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2454 | 1674 | 2415 | 497.00 | 2.00 | 150.0000 | 0.00 |
| 2455 | 1040 | 1963 | 1838.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2456 | 1963 | 5580 | 476.00 | 6.00 | 150.0000 | 0.00 |
| 2457 | 5580 | 2039 | 262.00 | 2.00 | 150.0000 | 0.00 |
| 2458 | 2039 | 1777 | 247.00 | 2.00 | 150.0000 | 0.00 |
| 2459 | 1777 | 188 | 852.00 | 2.00 | 150.0000 | 0.00 |
| 2460 | 188 | 2155 | 60.00 | 2.00 | 150.0000 | 0.00 |
| | | 2103 | 1005.00 | 2.00 | 150.0000 | |
| 2461 | 2155 | | | | | 0.00 |
| 2462 | 2103 | 210 | 1966.00 | 2.00 | 150.0000 | 0.00 |
| 2463 | 210 | 683 | 515.00 | 2.00 | 150.0000 | 0.00 |

| 2464 | 5581 | 5580 | 2920.00 | 6.00 | 150.0000 | 0.00 |
|------|----------------------|-------|---------|-------|----------|------|
| 2465 | 5581 | 1218 | 639.00 | 2.00 | 150.0000 | 0.00 |
| 2466 | 5581 | 1236 | 770.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2467 | 1236 | 2164 | 152.00 | 6.00 | 150.0000 | 0.00 |
| 2468 | 2164 | 5582 | 742.00 | 6.00 | 150.0000 | 0.00 |
| 2469 | 5582 | 1974 | 1382.00 | 6.00 | 150.0000 | 0.00 |
| 2470 | 1974 | 2464 | 203.00 | 6.00 | 150.0000 | 0.00 |
| 2471 | 2464 | 1087 | 1046.00 | 6.00 | 150.0000 | 0.00 |
| 2472 | | 650 | 405.00 | 6.00 | | |
| | 1087 | | | | 150.0000 | 0.00 |
| 2473 | 650 | 948 | 769.00 | 6.00 | 150.0000 | 0.00 |
| 2474 | 948 | 950 | 502.00 | 6.00 | 150.0000 | 0.00 |
| 2475 | 950 | 949 | 151.00 | 6.00 | 150.0000 | 0.00 |
| 2476 | 949 | 5583 | 4155.00 | 6.00 | 150.0000 | 0.00 |
| 2477 | 5584 | 5585 | 120.00 | 10.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2479 | 5583 | Hwy83 | 143.00 | 6.00 | 150.0000 | 0.00 |
| 2480 | 5585 | 263 | 4842.00 | 4.00 | 150.0000 | 0.00 |
| 2481 | 5586 | 28 | 1631.00 | 2.50 | 150.0000 | 0.00 |
| 2482 | 28 | 654 | 94.00 | 2.50 | 150.0000 | 0.00 |
| 2483 | 5586 | 1238 | 453.00 | 2.00 | 150.0000 | 0.00 |
| 2484 | 1238 | 875 | 5649.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2485 | 875 | 1015 | 243.00 | 2.00 | 150.0000 | 0.00 |
| 2486 | 263 | 5586 | 553.00 | 4.00 | 150.0000 | 0.00 |
| 2487 | 5584 | 162 | 289.00 | 10.00 | 150.0000 | 0.00 |
| 2488 | 162 | 5587 | 2240.00 | 10.00 | 150.0000 | 0.00 |
| 2489 | 5587 | 1658 | 185.00 | 4.00 | 150.0000 | 0.00 |
| 2490 | 5587 | 5588 | 813.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2491 | 5 58 8 | 380 | 1402.00 | 2.00 | 150.0000 | 0.00 |
| 2492 | 380 | 359 | 625.00 | 2.00 | 150.0000 | 0.00 |
| 2493 | 359 | 1657 | 196.00 | 2.00 | 150.0000 | 0.00 |
| 2494 | 5588 | 5589 | 3189.00 | 8.00 | 150.0000 | 0.00 |
| 2495 | 5589 | 1262 | 232.00 | 8.00 | 150.0000 | 0.00 |
| | 1262 | 5590 | 489.00 | 8.00 | 150.0000 | |
| 2496 | | | | | | 0.00 |
| 2497 | 5590 | 770 | 81.00 | 8.00 | 150.0000 | 0.00 |
| 2498 | 770 | 1342 | 324.00 | 8.00 | 150.0000 | 0.00 |
| 2499 | 5590 | 2669 | 198.00 | 8.00 | 150.0000 | 0.00 |
| 2500 | 2669 | 1223 | 100.00 | 8.00 | 150.0000 | 0.00 |
| 2501 | 1184 | 1223 | 206.00 | 8.00 | 150.0000 | 0.00 |
| 2502 | 1184 | 1170 | 615.00 | 8.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2503 | 1170 | 2383 | 10.00 | 8.00 | 150.0000 | 0.00 |
| 2504 | 1170 | 361 | 131.00 | 8.00 | 150.0000 | 0.00 |
| 2505 | 361 | 2340 | 15.00 | 8.00 | 150.0000 | 0.00 |
| 2506 | 2340 | 1819 | 130.00 | 8.00 | 150.0000 | 0.00 |
| 2507 | 1819 | 1990 | 26.00 | 8.00 | 150.0000 | 0.00 |
| | | 5591 | | 8.00 | | |
| 2508 | 1990 | | 836.00 | | 150.0000 | 0.00 |
| 2509 | 5591 | 2030 | 2556.00 | 8.00 | 150.0000 | 0.00 |
| 2510 | 2030 | 610 | 84.00 | 4.00 | 150.0000 | 0.00 |
| 2511 | 610 | 407 | 73.00 | 4.00 | 150.0000 | 0.00 |
| 2512 | 407 | 982 | 1141.00 | 4.00 | 150.0000 | 0.00 |
| 2513 | 982 | 1160 | 305.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2514 | 1160 | 619 | 1021.00 | 4.00 | 150.0000 | 0.00 |
| 2515 | 619 | 5592 | 1049.00 | 2.50 | 150.0000 | 0.00 |
| 2516 | 5592 | 2098 | 1854.00 | 2.00 | 150.0000 | 0.00 |
| 2517 | 2098 | 1453 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 2518 | 5592 | 5593 | 897.00 | 2.00 | 150.0000 | 0.00 |
| 2519 | 5593 | 2468 | 435.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2520 | 2468 | 2237 | 1919.00 | 2.00 | 150.0000 | 0.00 |
| 2521 | 2237 | 5594 | 833.00 | 2.00 | 150.0000 | 0.00 |
| 2522 | 5594 | 1115 | 402.00 | 1.00 | 150.0000 | 0.00 |
| 2523 | 5594 | 1428 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 2524 | 1428 | 39 | 1866.00 | 2.00 | 150.0000 | 0.00 |
| 2525 | 355 | 1679 | 19.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2526 | 1679 | 1889 | 1512.00 | 2.00 | 150.0000 | 0.00 |
| 2527 | 1889 | 2044 | 973.00 | 2.00 | 150.0000 | 0.00 |
| 2528 | 2044 | 2365 | 576.00 | 2.00 | 150.0000 | 0.00 |
| 2529 | 39 | 355 | 94.00 | 2.00 | 150.0000 | 0.00 |
| 2530 | 5591 | 1393 | 54.00 | 12.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2531 | 1393 | 5595 | 1970.00 | 12.00 | 150.0000 | 0.00 |
| 2532 | 5595 | 1419 | 575.00 | 2.00 | 150.0000 | 0.00 |
| 2533 | 1419 | 1910 | 762.00 | 2.00 | 150.0000 | 0.00 |
| 2534 | 1910 | 5596 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2535 | 5596 | 772 | 55.00 | 1.00 | 150.0000 | 0.00 |
| | 2220 | | | | | 5.00 |

| 2536 | 5595 | 644 | 1928.00 | 12.00 | 150.0000 | 0.00 |
|------|------|------|----------|-------|----------|------|
| 2537 | 644 | 89 | 10.00 | 8.00 | 150.0000 | 0.00 |
| 2538 | 644 | 1781 | 3707.00 | 12.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2539 | 1781 | 771 | 446.00 | 12.00 | 150.0000 | 0.00 |
| 2540 | 771 | 5597 | 808.00 | 12.00 | 150.0000 | 0.00 |
| 2541 | 5597 | 1491 | 5270.00 | 12.00 | 150.0000 | 0.00 |
| 2542 | 1491 | 2584 | 75.00 | 12.00 | 150.0000 | 0.00 |
| 2543 | 2584 | 2021 | 77.00 | 12.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2544 | 2021 | 1642 | 482.00 | 12.00 | 150.0000 | 0.00 |
| 2545 | 1642 | 1705 | 70.00 | 12.00 | 150.0000 | 0.00 |
| 2546 | 1705 | 1839 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2547 | 1705 | 1007 | 537.00 | 12.00 | 150.0000 | 0.00 |
| 2548 | 1007 | 2434 | 291.00 | 12.00 | 150.0000 | 0.00 |
| 2549 | 2434 | 5598 | 55.00 | 12.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2550 | 5598 | 1648 | 291.00 | 1.00 | 150.0000 | 0.00 |
| 2551 | 1648 | 127 | 142.00 | 1.00 | 150.0000 | 0.00 |
| 2552 | 5598 | 308 | 737.00 | 10.00 | 150.0000 | 0.00 |
| 2553 | 308 | 5599 | 179.00 | 10.00 | 150.0000 | 0.00 |
| 2554 | 5599 | 1931 | 110.00 | 1.00 | 150.0000 | 0.00 |
| 2555 | 1931 | 1680 | 150.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2556 | 5599 | 1788 | 143.00 | 10.00 | 150.0000 | 0.00 |
| 2557 | 1788 | 5600 | 498.00 | 10.00 | 150.0000 | 0.00 |
| 2558 | 5600 | 176 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2559 | 176 | 1029 | 502.00 | 1.00 | 150.0000 | 0.00 |
| 2560 | 1029 | 1933 | 101.00 | 1.00 | 150.0000 | 0.00 |
| | | 625 | 966.00 | 10.00 | | |
| 2561 | 5600 | | | | 150.0000 | 0.00 |
| 2562 | 625 | 5601 | 77.00 | 10.00 | 150.0000 | 0.00 |
| 2563 | 5601 | 2014 | 473.00 | 2.00 | 150.0000 | 0.00 |
| 2564 | 2014 | 2704 | 331.00 | 2.00 | 150.0000 | 0.00 |
| 2565 | 1623 | 2660 | 1606.00 | 2.00 | 150.0000 | 0.00 |
| 2566 | 2660 | 2411 | 204.00 | 2.00 | 150.0000 | 0.00 |
| | 2411 | 1516 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 2567 | | | | | | |
| 2568 | 1516 | 1746 | 330.00 | 2.00 | 150.0000 | 0.00 |
| 2569 | 1746 | 1506 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 2570 | 5438 | 7063 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 2571 | 415 | 417 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 2572 | 417 | 524 | 38.00 | 2.00 | 150.0000 | 0.00 |
| 2573 | 524 | 173 | 38.00 | 2.00 | 150.0000 | 0.00 |
| | | 328 | | | | |
| 2574 | 173 | | 31.00 | 2.00 | 150.0000 | 0.00 |
| 2575 | 328 | 1601 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 2576 | 1601 | 725 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 2577 | 725 | 1392 | 42.00 | 2.00 | 150.0000 | 0.00 |
| 2578 | 1392 | 217 | 71.00 | 2.00 | 150.0000 | 0.00 |
| 2579 | 217 | 389 | 78.00 | 2.00 | 150.0000 | 0.00 |
| | | 220 | 78.00 | 2.00 | 150.0000 | |
| 2580 | 389 | | | | | 0.00 |
| 2581 | 220 | 7067 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 2582 | 7067 | 58 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2583 | 58 | 5426 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 2584 | 5601 | 658 | 178.00 | 10.00 | 150.0000 | 0.00 |
| 2585 | 658 | 5603 | 149.00 | 10.00 | 150.0000 | 0.00 |
| | 5603 | 1989 | 713.00 | 2.00 | 150.0000 | 0.00 |
| 2586 | | | | | | |
| 2587 | 1989 | 2677 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 2588 | 2677 | 2689 | 487.00 | 2.00 | 150.0000 | 0.00 |
| 2589 | 2689 | 2682 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2590 | 5603 | 2 | 146.00 | 10.00 | 150.0000 | 0.00 |
| 2591 | 2 | 8062 | 133.00 | 10.00 | 150.0000 | 0.00 |
| | | 1076 | 170.00 | 10.00 | 150.0000 | 0.00 |
| 2592 | 8062 | | | | | |
| 2593 | 1076 | 5604 | 452.00 | 10.00 | 150.0000 | 0.00 |
| 2594 | 5604 | 5665 | 523.00 | 2.00 | 150.0000 | 0.00 |
| 2595 | 1356 | 2271 | 329.00 | 2.00 | 150.0000 | 0.00 |
| 2596 | 2271 | 1045 | 286.00 | 2.00 | 150.0000 | 0.00 |
| 2597 | 1045 | 2199 | 353.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2598 | 2199 | 2198 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 2599 | 5665 | 2687 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2600 | 5604 | 2430 | 1196.00 | 10.00 | 150.0000 | 0.00 |
| 2601 | 2430 | 5605 | 1228.00 | 10.00 | 150.0000 | 0.00 |
| 2602 | 5605 | 5606 | 316.00 | 12.00 | 150.0000 | 0.00 |
| 2603 | 5606 | 2255 | 15166.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2604 | 5422 | 352 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 2605 | 2255 | 1735 | 262.00 | 12.00 | 150.0000 | 0.00 |
| 2606 | 5607 | 921 | 973.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 2607 | 5608 | 108 | 332.00 | 2.00 | 150.0000 | 0.00 |
|---------|--------|------|----------|-------|----------|------|
| 2608 | 108 | 1187 | 242.00 | 2.00 | 150.0000 | 0.00 |
| 2609 | 5607 | 5608 | 834.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2610 | 5608 | 9004 | 64.00 | 6.00 | 150.0000 | 0.00 |
| 2611 | 5243 | 8039 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2612 | 5635 | 1927 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2613 | 289 | 5644 | 561.00 | 4.00 | 150.0000 | 0.00 |
| 2615 | 5608 | 5612 | 8584.00 | 8.00 | 150.0000 | 0.00 |
| 2616 | 5612 | 5613 | 1839.00 | 4.00 | 150.0000 | 0.00 |
| 2617 | 5613 | 8056 | 808.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2618 | 8056 | 8055 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2619 | 8055 | 8058 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2620 | 8058 | 8057 | 34.00 | 2.00 | 150.0000 | 0.00 |
| 2621 | 5613 | 2148 | 1682.00 | 2.00 | 150.0000 | 0.00 |
| 2622 | 2148 | 2503 | 261.00 | 2.00 | 150.0000 | 0.00 |
| 2623 | 2503 | 2178 | 340.00 | 2.00 | 150.0000 | 0.00 |
| 2624 | 2178 | 2175 | 27.00 | 2.00 | 150.0000 | 0.00 |
| 2625 | 2175 | 2174 | 477.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2626 | 2174 | 2177 | 585.00 | 2.00 | 150.0000 | 0.00 |
| 2627 | 2177 | 2180 | 472.00 | 2.00 | 150.0000 | 0.00 |
| 2628 | 2180 | 2179 | 430.00 | 2.00 | 150.0000 | 0.00 |
| 2629 | 2179 | 2176 | 206.00 | 2.00 | 150.0000 | 0.00 |
| 2630 | 5430 | 416 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 2631-XX | 5496 | 5502 | 13710.00 | 10.00 | 150.0000 | 0.00 |
| 2632 | 5488 | 9002 | 102.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2633 | 5490 | 9001 | 42.00 | 4.00 | 150.0000 | 0.00 |
| 2634 | 5492 | 5493 | 43.00 | 3.00 | 150.0000 | 0.00 |
| 2635 | 5493 | 9000 | 39.00 | 3.00 | 150.0000 | 0.00 |
| 2636 | FGN-BB | J-44 | 58.00 | 6.00 | 150.0000 | 0.00 |
| 2637 | 5617 | 5497 | 55.00 | 6.00 | 150.0000 | 0.00 |
| 2638 | 5618 | 1572 | 672.00 | 3.00 | 150.0000 | 0.00 |
| 2639 | 1572 | 1592 | 127.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 2640 | 1592 | 1551 | 10.00 | 3.00 | | 0.00 |
| 2641 | 1551 | 1593 | 396.00 | 3.00 | 150.0000 | 0.00 |
| 2642 | 1593 | 159 | 262.00 | 3.00 | 150.0000 | 0.00 |
| 2643 | 159 | 2450 | 11.00 | 3.00 | 150.0000 | 0.00 |
| 2644 | 2450 | 932 | 141.00 | 3.00 | 150.0000 | 0.00 |
| 2645 | 932 | 98 | 313.00 | 3.00 | 150.0000 | 0.00 |
| 2646 | 98 | 1229 | 320.00 | 3.00 | 150.0000 | 0.00 |
| 2647 | 1229 | 5619 | 20.00 | 3.00 | 150.0000 | 0.00 |
| 2648 | 5619 | 215 | 204.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2649 | 1384 | 5620 | 811.00 | 3.00 | 150.0000 | 0.00 |
| 2650 | 1566 | 660 | 178.00 | 3.00 | 150.0000 | 0.00 |
| 2651 | 660 | 2449 | 185.00 | 3.00 | 150.0000 | 0.00 |
| 2652 | 2449 | 714 | 25.00 | 3.00 | 150.0000 | 0.00 |
| 2653 | 714 | 1332 | 266.00 | 3.00 | 150.0000 | 0.00 |
| 2654 | 1332 | 2498 | 51.00 | 3.00 | 150.0000 | 0.00 |
| 2655 | 2498 | 181 | 263.00 | 3.00 | 150.0000 | 0.00 |
| 2656 | 5501 | 2331 | 458.00 | 6.00 | 150.0000 | 0.00 |
| 2657 | 2331 | 121 | 73.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2658 | 5618 | 1384 | 208.00 | 3.00 | 150.0000 | 0.00 |
| 2659 | 5618 | 5503 | 574.00 | 3.00 | 150.0000 | 0.00 |
| 2660 | 1379 | 1566 | 41.00 | 3.00 | 150.0000 | 0.00 |
| 2661 | 5620 | 1379 | 445.00 | 3.00 | 150.0000 | 0.00 |
| 2662 | 5620 | 1511 | 260.00 | 3.00 | 150.0000 | 0.00 |
| 2663 | 5515 | 2458 | 62.00 | 6.00 | 150.0000 | 0.00 |
| 2664 | 2458 | 1527 | 433.00 | 6.00 | 150.0000 | 0.00 |
| 2666 | 2144 | 5513 | 172.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2667 | 5625 | 199 | 124.00 | 2.00 | 150.0000 | 0.00 |
| 2668 | 199 | 2135 | 104.00 | 2.00 | 150.0000 | 0.00 |
| 2669 | 2135 | 2038 | 357.00 | 2.00 | 150.0000 | 0.00 |
| 2670 | 2038 | 1475 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 2671 | 1596 | 1476 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2672 | 5513 | 5625 | 745.00 | 6.00 | 150.0000 | 0.00 |
| 2673 | 5537 | 5626 | 1000.00 | 6.00 | 150.0000 | 0.00 |
| | | | 500.00 | 4.00 | 150.0000 | 0.00 |
| 2674 | 5626 | 5627 | | | | |
| 2675 | 5627 | 8054 | 120.00 | 4.00 | 150.0000 | 0.00 |
| 2676 | 8054 | 143 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2677 | 143 | 5628 | 210.00 | 4.00 | 150.0000 | 0.00 |
| 2678 | 5628 | 1691 | 700.00 | 2.00 | 150.0000 | 0.00 |
| 2679 | 1691 | 840 | 10.00 | 2.00 | 150.0000 | 0.00 |
| - | • | | | | | |

| 2680 | 840 | 739 | 190.00 | 2.00 | 150.0000 | 0.00 |
|---------|------|--------|--------|------|----------|------|
| 2681 | 739 | 8018 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 2682 | 8018 | 1372 | 70.00 | 2.00 | | |
| | | | | | 150.0000 | 0.00 |
| 2683 | 5628 | 655 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2684 | 655 | 2695 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2685 | 2695 | 639 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2686 | 639 | 13 | 220.00 | 2.00 | 150.0000 | 0.00 |
| 2687 | 13 | 5629 | 120.00 | 2.00 | 150.0000 | 0.00 |
| | 5629 | 1080 | | 2.00 | | |
| 2688 | | | 80.00 | | 150.0000 | 0.00 |
| 2689 | 1080 | 1224 | 230.00 | 2.00 | 150.0000 | 0.00 |
| 2690 | 1224 | 759 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 2691 | 5629 | 1630 | 50.00 | 1.00 | 150.0000 | 0.00 |
| 2692 | 1630 | 1639 | 230.00 | 1.00 | 150.0000 | 0.00 |
| 2693 | 1639 | 1063 | 30.00 | 1.00 | 150.0000 | 0.00 |
| | 5626 | 5630 | 100.00 | | | |
| 2694 | | | | 6.00 | 150.0000 | 0.00 |
| 2695 | 5630 | 5631 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 2696 | 5631 | 5632 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2697 | 5632 | 2471 | 250.00 | 3.00 | 150.0000 | 0.00 |
| 2698 | 2471 | 5633 | 280.00 | 3.00 | 150.0000 | 0.00 |
| 2699 | 5633 | 718 | 400.00 | 2.00 | 150.0000 | 0.00 |
| | 718 | | | 2.00 | | |
| 2700 | | 5634 | 800.00 | | 150.0000 | 0.00 |
| 2701 | 5634 | 280 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2702 | 280 | 1287 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2703 | 1287 | 5635 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2704 | 5635 | 196 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2705 | 196 | 1915 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2706 | 1927 | 1926 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2707 | 1926 | 1946 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2708 | 1946 | 2000 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2709 | 2000 | 1999 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2710 | 1999 | 511 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2711 | 511 | 5636 | 760.00 | 2.00 | 150.0000 | 0.00 |
| 2712 | 5636 | 2204 | 40.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2713 | 2204 | 5637 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 2714 | 5637 | 5640 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2715 | 5637 | 5638 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2716 | 5638 | 5639 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2717-XX | 5638 | 5632 | 180.00 | 3.00 | 150.0000 | 0.00 |
| 2718 | 5639 | 5640 | 10.00 | 6.00 | 150.0000 | 0.00 |
| | 5639 | | 50.00 | 2.00 | | |
| 2719 | | 5641 | | | 150.0000 | 0.00 |
| 2720 | 5641 | 1894 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2721 | 1894 | 711 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2722 | 5641 | 2041 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2723 | 2041 | 447 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2724 | 447 | 17 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2725 | 17 | 2309 | 100.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2726 | 2433 | 1420 | 500.00 | 6.00 | 150.0000 | 0.00 |
| 2727 | 5640 | 2673 | 160.00 | 6.00 | 150.0000 | 0.00 |
| 2728 | 2673 | 2433 | 80.00 | 6.00 | 150.0000 | 0.00 |
| 2729 | 5631 | 1556 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 2730 | 1556 | 5639 | 50.00 | 6.00 | 150.0000 | 0.00 |
| 2731 | 5643 | 289 | 50.00 | 4.00 | 150.0000 | 0.00 |
| | | | | 4.00 | | |
| 2732 | 5643 | 1420 | 60.00 | | 150.0000 | 0.00 |
| 2733 | 1420 | 693 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 2734 | 693 | 73 | 50.00 | 6.00 | 150.0000 | 0.00 |
| 2735 | 73 | 82 | 60.00 | 6.00 | 150.0000 | 0.00 |
| 2736 | 82 | 5642 | 300.00 | 6.00 | 150.0000 | 0.00 |
| 2737 | 5644 | 1210 | 10.00 | 3.00 | 150.0000 | 0.00 |
| | 1210 | 372 | 130.00 | 3.00 | 150.0000 | |
| 2738 | | | | | | 0.00 |
| 2739 | 372 | 15 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2740 | 5644 | 5645 | 200.00 | 3.00 | 150.0000 | 0.00 |
| 2741 | 5645 | 2140 | 140.00 | 3.00 | 150.0000 | 0.00 |
| 2742 | 2140 | 845 | 60.00 | 3.00 | 150.0000 | 0.00 |
| 2743 | 845 | 700 | 30.00 | 3.00 | 150.0000 | 0.00 |
| | 700 | 990 | 100.00 | 3.00 | 150.0000 | 0.00 |
| 2744 | | | | | | |
| 2745 | 990 | 1272 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 2746 | 1272 | 221 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 2747 | 221 | 23 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 2748 | 23 | 1659 | 150.00 | 3.00 | 150.0000 | 0.00 |
| 2749 | 1659 | 2107 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2750 | 2107 | 298 | 70.00 | 3.00 | 150.0000 | 0.00 |
| 2130 | 2101 | ن ر ہے | 70.00 | 5.00 | 130.0000 | 0.00 |

| 2751 | 298 | 601 | 200.00 | 3.00 | 150.0000 | 0.00 |
|------|------|------|--------|------|----------|------|
| 2752 | 5645 | 591 | 100.00 | 3.00 | 150.0000 | 0.00 |
| 2753 | 591 | 483 | 10.00 | 3.00 | 150.0000 | 0.00 |
| | 483 | | | | | |
| 2754 | | 2202 | 100.00 | 3.00 | 150.0000 | 0.00 |
| 2755 | 2202 | 2117 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2756 | 2117 | 1377 | 150.00 | 3.00 | 150.0000 | 0.00 |
| 2757 | 1377 | 5646 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2758 | 5646 | 5647 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2759 | 5647 | 1546 | 160.00 | 3.00 | 150.0000 | 0.00 |
| 2760 | 1546 | 1483 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2761 | 1483 | 844 | 130.00 | 3.00 | 150.0000 | 0.00 |
| 2762 | 844 | 5648 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2763 | 5648 | 1092 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2764 | 1092 | 5649 | 250.00 | 3.00 | | |
| | | | | | 150.0000 | 0.00 |
| 2765 | 5649 | 2684 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2766 | 2684 | 802 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2767 | 802 | 65 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2768 | 65 | 419 | 70.00 | 3.00 | 150.0000 | 0.00 |
| 2769 | 419 | 1303 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2770 | 1303 | 1969 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2771 | 1969 | 1375 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2772 | 2172 | 1375 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2773 | 991 | 2172 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 2774 | 991 | 5650 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2775 | 5650 | 102 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2776 | | | | | | |
| | 102 | 276 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2777 | 276 | 1100 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2778 | 1100 | 182 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2779 | 182 | 733 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2780 | 733 | 570 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2781 | 570 | 219 | 120.00 | 6.00 | 150.0000 | 0.00 |
| 2782 | 219 | 5642 | 50.00 | 6.00 | 150.0000 | 0.00 |
| 2783 | 5642 | 5647 | 720.00 | 4.00 | 150.0000 | 0.00 |
| 2784 | 5630 | 5539 | 650.00 | 4.00 | 150.0000 | 0.00 |
| 2785 | 5542 | 9003 | 52.00 | 3.00 | 150.0000 | 0.00 |
| 2786 | 5605 | 510 | 350.00 | 2.00 | 150.0000 | 0.00 |
| 2787 | 510 | 200 | 250.00 | 2.00 | 150.0000 | 0.00 |
| 2788 | 200 | 2512 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2789 | 2512 | 2513 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2790 | 2513 | 2537 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2791 | 2537 | 264 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2792 | 264 | 2516 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2793 | 2516 | 2515 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2794 | 2515 | 2514 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2795 | 2514 | 2666 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2796 | | | | | | |
| | 2666 | 2302 | 250.00 | 2.00 | 150.0000 | 0.00 |
| 2797 | 2302 | 2506 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 2798 | 2506 | 2507 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 2799 | 5660 | 5610 | 500.00 | 4.00 | 150.0000 | 0.00 |
| 2800 | 757 | 1653 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2801 | 1653 | 1920 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2802 | 1920 | 1150 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2803 | 5610 | 5611 | 300.00 | 4.00 | 150.0000 | 0.00 |
| 2804 | 5611 | 1020 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2805 | 1020 | 164 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2806 | 5611 | 1925 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 2807 | 1925 | 2452 | 150.00 | 4.00 | 150.0000 | 0.00 |
| 2808 | 2452 | 5651 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 2809 | 5651 | 606 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2810 | 606 | 6 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2811 | 6 | 322 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2812 | 322 | 172 | 30.00 | 2.00 | 150.0000 | 0.00 |
| | | | 150.00 | | | |
| 2813 | 5651 | 5652 | | 4.00 | 150.0000 | 0.00 |
| 2814 | 5652 | 5654 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 2815 | 5654 | 1268 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2816 | 1268 | 212 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2817 | 212 | 1004 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2818 | 5654 | 5655 | 150.00 | 4.00 | 150.0000 | 0.00 |
| 2819 | 5655 | 793 | 250.00 | 3.00 | 150.0000 | 0.00 |
| 2820 | 793 | 794 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2821 | 794 | 1499 | 150.00 | 3.00 | 150.0000 | 0.00 |

| 2822 | 5656 | 193 | 200.00 | 2.00 | 150.0000 | 0.00 |
|------|-------------|------|---------|------|----------|------|
| | 1499 | 5656 | | | | |
| 2823 | | | 30.00 | 3.00 | 150.0000 | 0.00 |
| 2824 | 193 | 471 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2825 | 471 | 283 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2826 | 283 | 1286 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2827 | 1286 | 1149 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2828 | 5656 | 5657 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2829 | 5657 | 88 | 30.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2830 | 88 | 175 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2831 | 1 75 | 441 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2832 | 441 | 1479 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2833 | 1479 | 1537 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2834 | 1537 | 1800 | 100.00 | 2.00 | 150,0000 | 0.00 |
| 2835 | 1800 | 706 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2836 | 706 | | 50.00 | | | |
| | | 1586 | | 2.00 | 150.0000 | 0.00 |
| 2837 | 1586 | 1503 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 2838 | 1503 | 889 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2839 | 889 | 1240 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2840 | 5653 | 699 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2841 | 699 | 5657 | 400.00 | 2.00 | 150.0000 | 0.00 |
| 2842 | 5653 | 499 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2843 | | | | | | |
| | 499 | 2674 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2844 | 2674 | 929 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2845 | 929 | 1267 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2846 | 1267 | 545 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2847 | 545 | 1591 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 2848 | 1591 | 1093 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2849 | 1093 | 5658 | 100.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2850 | 5658 | 5659 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2851 | 5659 | 788 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2852 | 5659 | 789 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 2853 | 5658 | 869 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2854 | 869 | 171 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2855 | 171 | 599 | 200.00 | 2.00 | 150.0000 | 0.00 |
| | 599 | | | | | |
| 2856 | | 1590 | 105.00 | 2.00 | 150.0000 | 0.00 |
| 2857 | 5660 | 821 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2858 | 821 | 1665 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2859 | 5610 | 784 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2860 | 1476 | 621 | 800.00 | 2.00 | 150.0000 | 0.00 |
| 2861 | 621 | 2590 | 1000.00 | 2.00 | 150.0000 | 0.00 |
| 2862 | 2590 | 1775 | 1100.00 | 2.00 | 150.0000 | 0.00 |
| 2863 | 1775 | 2557 | 900.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2864 | 2557 | 860 | 500.00 | 2.00 | 150.0000 | 0.00 |
| 2865 | 860 | 2591 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2866 | 5622 | 9005 | 40.00 | 3.00 | 150,0000 | 0.00 |
| 2867 | 5624 | 9006 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 2868 | 1527 | 5512 | 47.00 | 6.00 | 150.0000 | 0.00 |
| 2869 | 5606 | 9007 | 74.00 | 6.00 | 150.0000 | 0.00 |
| 2870 | 5512 | 2144 | 83.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2871 | 5625 | 5660 | 250.00 | 4.00 | 150.0000 | 0.00 |
| 2872 | 784 | 757 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2873 | 5652 | 5653 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2874 | 1475 | 1596 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2875 | 2123 | 5002 | 460.00 | 2.00 | 150.0000 | 0.00 |
| 2876 | 1321 | 5012 | 88.00 | 4.00 | 150.0000 | 0.00 |
| 2877 | 808 | 2702 | 894.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2878 | 2702 | 5041 | 461.00 | 4.00 | 150.0000 | 0.00 |
| 2879 | 5526 | 2587 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2880 | 5532 | 5662 | 2405.00 | 2.00 | 150.0000 | 0.00 |
| 2881 | 5662 | 2605 | 975.00 | 2.00 | 150.0000 | 0.00 |
| 2882 | 2605 | 2583 | 248.00 | 2.00 | 150.0000 | 0.00 |
| 2883 | 2583 | 179 | 250.00 | 2.00 | 150.0000 | 0.00 |
| | | | 53.00 | 2.00 | 150.0000 | |
| 2884 | 179 | 1402 | | | | 0.00 |
| 2885 | 1402 | 281 | 420.00 | 2.00 | 150.0000 | 0.00 |
| 2886 | 2635 | 5549 | 195.00 | 4.00 | 150.0000 | 0.00 |
| 2887 | 5232 | 388 | 1112.00 | 2.50 | 150.0000 | 0.00 |
| 2888 | 388 | 1670 | 254.00 | 2.50 | 150.0000 | 0.00 |
| 2889 | 1670 | 5663 | 107.00 | 2.50 | 150.0000 | 0.00 |
| 2890 | 5663 | 5664 | 83.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2891 | 5664 | 432 | 440.00 | 2.00 | 150.0000 | 0.00 |
| 2892 | 5663 | 306 | 538.00 | 2.50 | 150.0000 | 0.00 |

| 2893 | 306 | 703 | 160.00 | 2.50 | 150.0000 | 0.00 |
|------------------|--------------------|---------------------|-----------------|--------------|----------------------|--------------|
| 2894 | 5377 | 115 | 537.00 | 2.00 | 150.0000 | 0.00 |
| 2895 | 115 | 2066 | 113.00 | 2.00 | 150.0000 | 0.00 |
| 2896 | 2066 | 7070 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2897 | 7070 | 2511 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2898 | 2511 | 7071 | 97.00 | 2.00 | 150.0000 | 0.00 |
| 2899 | 7071
1726 | 1726
1 97 | 152.00
10.00 | 2.00 | 150.0000 | 0.00 |
| 2900
2901 | 197 | 2740 | 65.00 | 2.00
2.00 | 150.0000
150.0000 | 0.00
0.00 |
| 2901 | 5665 | 1356 | 13.00 | 2.00 | 150.0000 | 0.00 |
| 2904 | 1735 | 5607 | 1442.00 | 12.00 | 150.0000 | 0.00 |
| 2907 | 62 | 552 | 110.00 | 2.00 | 150.0000 | 0.00 |
| P-1295 | 5572 | R-2 | 3396.00 | 6.00 | 150.0000 | 0.00 |
| P-130 | | McMahan-1 | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-1322 | J-1 | 5361 | 115.00 | 2.00 | 150.0000 | 0.00 |
| P-1451 | 5120 | J -3 | 127.00 | 1.50 | 150.0000 | 0.00 |
| P-157 | 5667 | Payne-2 | 17.00 | 6.00 | 150.0000 | 0.00 |
| P-1695 | JimNetheryJ | - | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-173 | 5667 | Payne-1 | 24.00 | 6.00 | 150.0000 | 0.00 |
| P-1784 | 5661 | J-22 | 73.00 | 3.00 | 150.0000 | 0.00 |
| P-1949 | Hwy83-Plan | Hwy83-2 | 39.00 | 4.00 | 150.0000 | 0.00 |
| P-208 | Tebo
Tebo | Tebo-1
Tebo-2 | 10.00 | 4.00 | 150.0000
150.0000 | 0.00 |
| P-209
P-2138 | | wy83-Plan | 10.00
121.00 | 4.00
4.00 | 150.0000 | 0.00 |
| P-2136
P-2140 | Hwy83-Plan | Hwy83-1 | 35.00 | 4.00 | 150.0000 | 0.00 |
| P-2140
P-2141 | J-37 | J-22 | 15.00 | 3.00 | 150.0000 | 0.00 |
| P-2142 | J-37 | 5505 | 33.00 | 4.00 | 150.0000 | 0.00 |
| P-2442 | J-21 | King-2 | 108.00 | 6.00 | 150.0000 | 0.00 |
| P-2443 | J-21 | King-1 | 66.00 | 6.00 | 150.0000 | 0.00 |
| P-2478 | 7035C | rossRoad- | 352.00 | 6.00 | 150.0000 | 0.00 |
| P-2614 | Plant-A5 | 5668 | 10.00 | 6.00 | 100.0000 | 0.00 |
| P-2665 | | 84-Pump-1 | 154.00 | 6.00 | 150.0000 | 0.00 |
| P-2902 | ${\tt Hemphill-T}$ | 5335 | 76.00 | 6.00 | 150.0000 | 0.00 |
| P-2905 | Payne-2 | 5048 | 15.00 | 6.00 | 150.0000 | 0.00 |
| P-2906 | McMahan | J-8 | 45.00 | 4.00 | 150.0000 | 0.00 |
| P-2908 | 5047 | Plant-A5 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2909
P-2910 | 5668
McMahan | 5047
5035 | 97.00
53.00 | 6.00
2.00 | 150.0000
150.0000 | 0.00 |
| P-2910
P-2911 | McMahan-1 | McMahan | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-2912 | McMahan-2 | McMahan | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-2913 | Payne-1 | 5048 | 12.00 | 6.00 | 150.0000 | 0.00 |
| P-2914 | 5048 | PRV-1 | 225.00 | 6.00 | 150.0000 | 0.00 |
| P-2915 | 5071 | Tebo | 2330.00 | 4.00 | 150.0000 | 0.00 |
| P-2916 | 1232 | J-29 | 1278.00 | 6.00 | 150.0000 | 0.00 |
| P-2917 | JimNetheryJ | _ | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-2918 | Tebo-1 | J-29 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2919 | Tebo-2 | J-29 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2920 | JimNethery | 5394 | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-2921 | JimNethery | 5394 | 20.00 | 6.00
6.00 | 150.0000 | 0.00 |
| P-2922
P-2923 | 5579
King-1 | J-21
5578 | 174.00
67.00 | 6.00 | 150.0000
150.0000 | 0.00
0.00 |
| P-2924 | King-2 | 5578 | 101.00 | 6.00 | 150.0000 | 0.00 |
| P-2925 | 5462 | Midlake | 30.00 | 6.00 | 150.0000 | 0.00 |
| P-2926 | | Midlake-2 | 49.00 | 6.00 | 150.0000 | 0.00 |
| P-2927 | | Midlake-1 | 49.00 | 6.00 | 150.0000 | 0.00 |
| P-2928 | J-24 | 5415 | 23.00 | 6.00 | 150.0000 | 0.00 |
| P-2929 | Midlake-2 | J-24 | 50.00 | 6.00 | 150.0000 | 0.00 |
| P-2930 | Midlake-1 | J-24 | 52.00 | 6.00 | 150.0000 | 0.00 |
| P-2931 | J-37 | 5506 | 23.00 | 8.00 | 150.0000 | 0.00 |
| P-2932 | Hwy83-1 | J-37 | 32.00 | 4.00 | 150.0000 | 0.00 |
| P-2933 | Hwy83-2 | J-37 | 27.00 | 4.00 | 150.0000 | 0.00 |
| P-2934 | 5221 | J-45 | 109.00 | 6.00 | 150.0000 | 0.00 |
| P-2935 | | WTHwy83-1 | 35.00 | 6.00 | 150.0000 | 0.00 |
| P-2936 | CrossRoad- | J-45 | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-2937 | Bron-Pump-B | | 19.00 | 6.00 | 150.0000 | 0.00 |
| P-2938 | CrossRoad-
J-53 | J-45 | 10.00
94.00 | 4.00
6.00 | 150.0000
150.0000 | 0.00
0.00 |
| P-2939
P-2940 | WTHwy83-1 | 5617
J-53 | 26.00 | 6.00 | 150.0000 | 0.00 |
| P-2940
P-2941 | WTHyw83-2 | J-53 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2942 | - | TMidlake- | 15.00 | 6.00 | 150.0000 | 0.00 |
| P-2943 | WTMidlake- | 5494 | 17.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |

| P-2944 | WTMidlake- | 5494 | 25.00 | 6.00 | 150.0000 | 0.00 |
|--------|--------------|----------|---------|-------|----------|------|
| P-2945 | Hwy83 | 5585 | 37.00 | 10.00 | 150.0000 | 0.00 |
| P-2946 | J-18Br | on-Pump- | 9.00 | 6.00 | 150.0000 | 0.00 |
| P-2947 | Bronson-ESBr | onPump-2 | 13.00 | 6.00 | 150.0000 | 0.00 |
| P-2948 | J-69 | 5260 | 3035.00 | 6.00 | 150.0000 | 0.00 |
| P-2949 | Bronson-ES | 5119 | 13.00 | 6.00 | 150.0000 | 0.00 |
| P-2951 | 184-Pump-1 | J-63 | 152.00 | 6.00 | 150.0000 | 0.00 |
| P-2952 | Midlake | Pump-1 | 46.00 | 6.00 | 150.0000 | 0.00 |
| P-2953 | 184-Pump-2 | T-1 | 171.00 | 6.00 | 150.0000 | 0.00 |
| P-2954 | 5335 | T-1 | 61.00 | 6.00 | 150.0000 | 0.00 |
| P-2955 | Pump-1 | J-24 | 47.00 | 6.00 | 150.0000 | 0.00 |
| P-2956 | 184-Pump-2 | J-63 | 143.00 | 6.00 | 150.0000 | 0.00 |
| P-2957 | WTHyw83-2 | J-44 | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-367 | BronPump-2 | J-18 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-373 | J-3 | 1369 | 36.00 | 1.50 | 150.0000 | 0.00 |
| P-520 | J-1 | 5360 | 346.00 | 2.00 | 150.0000 | 0.00 |
| P-696 | J-11 M | cMahan-2 | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-763 | CrossRoad-Cr | ossRoad- | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-764 | CrossRoad-Cr | ossRoad- | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-777 | 5218 | J-45 | 3.00 | 3.00 | 150.0000 | 0.00 |
| P-87 | 5034 | J-8 | 249.00 | 4.00 | 150.0000 | 0.00 |
| P-88 | 5609 | R-1 | 1293.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE 184-Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 2)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 387.69 | 0.00 | 1.00 |
| 276.92 | 250.00 | 1.00 |
| 180.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE 184-Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 387.69 | 0.00 | 1.00 |
| 276.92 | 250.00 | 1.00 |
| 180.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Bron-Pump- DESCRIBED BY THE' FOLLOWING DATA: (ID= 4)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 210.00 | 0.00 | 1.00 |
| 150.00 | 200.00 | 1.00 |
| 97.50 | 300.00 | 1.00 |

THERE IS A DEVICE AT NODE BronPump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 5)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 210.00 | 0.00 | 1.00 |
| 150.00 | 200.00 | 1.00 |
| 97.50 | 300.00 | 1.00 |

THERE IS A DEVICE AT NODE CrossRoad- DESCRIBED BY THE' FOLLOWING DATA: (ID= 6)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 193.85 | 0.00 | 1.00 |
| 138.46 | 250.00 | 1.00 |
| 90.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE CrossRoad- DESCRIBED BY THE' FOLLOWING DATA: (ID= 7)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| | | |
| 193.85 | 0.00 | 1.00 |
| 138.46 | 250.00 | 1.00 |
| 90.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Hwy83-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|-----------------|
| (ft) | (gpm) | (%) |
| 210.00 | 0.00 | 75.00 (Default) |
| 200.00 | 250.00 | 75.00 (Default) |
| 160.00 | 400.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.990

THERE IS A DEVICE AT NODE Hwy83-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD | FLOWRATE | EFFICIEN(| CY |
|--------|----------|-----------|-----------|
| (ft) | (gpm) | (%) | |
| 210.00 | 0.00 | | (Default) |
| 200.00 | 250.00 | | (Default) |
| 160.00 | 400.00 | | (Default) |

PUMP SPEED RATIO = 0.980

THERE IS A DEVICE AT NODE JimNethery DESCRIBED BY THE' FOLLOWING DATA: (ID= 8)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|------------------|-------------------|----------------|
| 670 46 | 0.00 | 1.00 |
| 678.46
484.62 | 0.00
250.00 | 1.00 |
| 315.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE JimNethery DESCRIBED BY THE' FOLLOWING DATA: (ID= 9)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 678.46 | 0.00 | 1.00 |
| 484.62 | 250.00 | 1.00 |
| 315.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE King-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 10)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 225.00 | 1.00 |
| 120.00 | 337.50 | 1.00 |

THERE IS A DEVICE AT NODE King-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 11)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 225.00 | 1.00 |
| 120 00 | 337 50 | 1 00 |

THERE IS A DEVICE AT NODE McMahan-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 12)

HEAD FLOWRATE EFFICIENCY

| (ft) | (gpm) | (%) |
|--------|--------|------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 240.00 | 1.00 |
| 120.00 | 360.00 | 1.00 |

THERE IS A DEVICE AT NODE McMahan-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 13)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 258.46 | 0.00 | 1.00 |
| 184.62 | 240.00 | 1.00 |
| 120.00 | 360.00 | 1.00 |

THERE IS A DEVICE AT NODE Midlake-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 14)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|------------------|-------------------|----------------|
| 252.00 | 0.00 | 1.00 |
| 180.00
117.00 | 300.00
450.00 | 1.00
1.00 |

THERE IS A DEVICE AT NODE Midlake-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 15)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|------------------|-------------------|-------------------|
| 252.00
180.00 | 0.00 | 1.00 |
| 117.00 | 450.00 | 1.00 |

THERE IS A DEVICE AT NODE Payne-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 16)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|------------------|-------------------|-------------------|
| 206.77
147.69 | 0.00 | 1.00 |
| 96.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Payme-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 17)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| 206.77 | 0.00 | 1.00 |
| 147.69 | 250.00 | 1.00 |
| 96.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 18)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|------------------|-------------------|-------------------|
| 252.00
180.00 | 0.00 | 1.00 |
| 117.00 | 450.00 | 1.00 |

THERE IS A DEVICE AT NODE Tebo-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 19)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (శ∕) |
| | | |
| 226.15 | 0.00 | 1.00 |
| 161.54 | 250.00 | 1.00 |
| 105.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Tebo-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 20)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 226.15 | 0.00 | 1.00 |
| 161.54 | 250.00 | 1.00 |
| 105.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE WITHWY83-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 21)

| FLOWRATE | EFFICIENCY |
|----------|-------------------------|
| (gpm) | (%) |
| | |
| 0.00 | 1.00 |
| 150.00 | 1.00 |
| 225.00 | 1.00 |
| | (gpm)
0.00
150.00 |

THERE IS A DEVICE AT NODE WITHYW83-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 22)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| | | |
| 210.00 | 0.00 | 1.00 |
| 150.00 | 150.00 | 1.00 |
| 97.50 | 225.00 | 1.00 |

THERE IS A DEVICE AT NODE WTMidlake- DESCRIBED BY THE' FOLLOWING DATA: (ID= 23)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 200.00 | 1.00 |
| 120.00 | 300.00 | 1.00 |

THERE IS A DEVICE AT NODE WTMidlake- DESCRIBED BY THE' FOLLOWING DATA: (ID= 24)

| HEAD
(ft) | FLOWRATE (gpm) | EFFICIENCY
(%) |
|--------------|----------------|-------------------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 200.00 | 1.00 |
| 120.00 | 300.00 | 1.00 |

END NODE DATA

| NODE
NAME | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|--------------|---------------|-----------------------------|-------------------------------|---------------------------|
| 2 | | 1.00 | 190.00 | |
| 4 | | 1.00 | 360.00 | |
| 5 | | 1.00 | 220.00 | |
| 6 | | 1.00 | 190.00 | |
| 7 | | 1.00 | 330.00 | |
| 9 | | 1.00 | 250.00 | |
| 10 | | 1.00 | 330.00 | |
| 12 | | 1.00 | 185.00 | |
| 13 | | 1.00 | 200.00 | |
| 14 | | 1.00 | 300.00 | |
| 15 | | 1.00 | 230.00 | |
| 16 | | 1.00 | 200.00 | |
| 17 | | 1.00 | 215.00 | |
| 19 | | 1.00 | 210.00 | |
| 20 | | 1.00 | 190.00 | |
| 23 | | 1.00 | 230.00 | |
| 25 | | 1.00 | 290.00 | |
| 26 | | 1.00 | 290.00 | |
| 27 | | 1.00 | 280.00 | |
| | | | | |

| 28 | 1.00 | 290.00 |
|-----|------|--------|
| | | |
| 30 | 1.00 | 200.00 |
| 31 | 1.00 | 190.00 |
| 32 | 1.00 | 310.00 |
| | | |
| 33 | 1.00 | 330.00 |
| 35 | 1.00 | 200.00 |
| 36 | 1.00 | 290.00 |
| 38 | 1.00 | 190.00 |
| | | |
| 39 | 1.00 | 230.00 |
| 40 | 1.00 | 190.00 |
| 41 | 1.00 | 195.00 |
| | | |
| 42 | 1.00 | 220.00 |
| 43 | 1.00 | 185.00 |
| 46 | 1.00 | 185.00 |
| | 1.00 | 190.00 |
| 47 | | |
| 48 | 1.00 | 480.00 |
| 49 | 1.00 | 185.00 |
| 50 | 1.00 | 425.00 |
| | | |
| 51 | 1.00 | 230.00 |
| 54 | 1.00 | 315.00 |
| 55 | 1.00 | 350.00 |
| | | |
| 56 | 1.00 | 210.00 |
| 57 | 1.00 | 390.00 |
| 58 | 1.00 | 185.00 |
| 60 | 1.00 | 300.00 |
| | | |
| 61 | 1.00 | 220.00 |
| 62 | 1.00 | 410.00 |
| 64 | 1.00 | 270.00 |
| | 1.00 | |
| 65 | | 210.00 |
| 66 | 1.00 | 330.00 |
| 67 | 1.00 | 185.00 |
| 68 | 1.00 | 240.00 |
| | 1.00 | 390.00 |
| 70 | | |
| 71 | 1.00 | 420.00 |
| 72 | 1.00 | 180.00 |
| 73 | 1.00 | 215.00 |
| | | |
| 74 | 1.00 | 400.00 |
| 75 | 1.00 | 220.00 |
| 77 | 1.00 | 200.00 |
| 79 | 1.00 | 320.00 |
| | | |
| 80 | 1.00 | 340.00 |
| 81 | 1.00 | 265.00 |
| 82 | 1.00 | 215.00 |
| 83 | 1.00 | 200.00 |
| | | |
| 84 | 1.00 | 210.00 |
| 86 | 1.00 | 210.00 |
| 88 | 1.00 | 185.00 |
| | 1.00 | |
| 89 | | 280.00 |
| 90 | 1.00 | 210.00 |
| 91 | 1.00 | 190.00 |
| 92 | 1.00 | 185.00 |
| | | |
| 93 | 1.00 | 190.00 |
| 94 | 1.00 | 250.00 |
| 96 | 1.00 | 320.00 |
| 98 | 1.00 | 260.00 |
| | | |
| 100 | 1.00 | 185.00 |
| 101 | 1.00 | 185.00 |
| 102 | 1.00 | 200.00 |
| 106 | 1.00 | 350.00 |
| | | |
| 107 | 1.00 | 350.00 |
| 108 | 1.00 | 240.00 |
| 109 | 1.00 | 180.00 |
| | | 230.00 |
| 110 | 1.00 | |
| 111 | 1.00 | 370.00 |
| 112 | 1.00 | 270.00 |
| 113 | 1.00 | 220.00 |
| | | |
| 115 | 1.00 | 210.00 |
| 116 | 1.00 | 185.00 |
| 117 | 1.00 | 185.00 |
| | 1.00 | 230.00 |
| 120 | | |
| 121 | 1.00 | 260.00 |
| | | |

| 123 | 1.00 | 190.00 |
|--------------|------|--------|
| | | |
| 124 | 1.00 | 210.00 |
| 125 | 1.00 | 360.00 |
| 126 | 1.00 | 210.00 |
| | | |
| 127 | 1.00 | 230.00 |
| 130 | 1.00 | 320.00 |
| | 1.00 | 185.00 |
| 131 | | |
| 132 | 1.00 | 190.00 |
| 133 | 1.00 | 430.00 |
| | | |
| 134 | 1.00 | 180.00 |
| 136 | 1.00 | 310.00 |
| 137 | 1.00 | 340.00 |
| | | |
| 139 | 1.00 | 210.00 |
| 140 | 1.00 | 190.00 |
| 141 | 1.00 | 185.00 |
| | | |
| 142 | 1.00 | 200.00 |
| 143 | 1.00 | 235.00 |
| 144 | 1.00 | 330.00 |
| | | |
| 145 | 1.00 | 230.00 |
| 147 | 1.00 | 230.00 |
| | | |
| 148 | 1.00 | 230.00 |
| 150 | 1.00 | 400.00 |
| 151 | 1.00 | 210.00 |
| | | |
| 153 | 1.00 | 210.00 |
| 154 | 1.00 | 300.00 |
| 155 | 1.00 | 320.00 |
| | | |
| 156 | 1.00 | 360.00 |
| 157 | 1.00 | 300.00 |
| 159 | 1.00 | 240.00 |
| | | |
| 160 | 1.00 | 210.00 |
| 161 | 1.00 | 220.00 |
| 162 | 1.00 | 310.00 |
| | | |
| 163 | 1.00 | 210.00 |
| 164 | 1.00 | 190.00 |
| 167 | 1.00 | 310.00 |
| | | |
| 168 | 1.00 | 190.00 |
| 169 | 1.00 | 310.00 |
| | 1.00 | |
| 171 | | 190.00 |
| 172 | 1.00 | 185.00 |
| 173 | 1.00 | 185.00 |
| | 1.00 | |
| 174 | | 410.00 |
| 1 75 | 1.00 | 185.00 |
| 176 | 1.00 | 210.00 |
| | | |
| 178 | 1.00 | 230.00 |
| 179 | 1.00 | 250.00 |
| 180 | 1.00 | 320.00 |
| | | |
| 181 | 1.00 | 250.00 |
| 182 | 1.00 | 205.00 |
| 185 | 1.00 | 280.00 |
| | | |
| 186 | 1.00 | 190.00 |
| 187 | 1.00 | 390.00 |
| 188 | 1.00 | 260.00 |
| 189 | 1.00 | 320.00 |
| | | |
| 191 | 1.00 | 250.00 |
| 193 | 1.00 | 185.00 |
| | 1.00 | |
| 194 | | 460.00 |
| 195 | 1.00 | 270.00 |
| 196 | 1.00 | 190.00 |
| | | |
| 197 | 1.00 | 220.00 |
| 198 | 1.00 | 210.00 |
| 199 | 1.00 | 200.00 |
| | | |
| 200 | 1.00 | 180.00 |
| 201 | 1.00 | 330.00 |
| | 1.00 | 270.00 |
| 202 | | |
| 203 | 1.00 | 210.00 |
| 204 | 1.00 | 270.00 |
| | | |
| 206 | 1.00 | 300.00 |
| 208 | 1.00 | 370.00 |
| 209 | 1.00 | 185.00 |
| | | |
| 210 | 1.00 | 190.00 |
| 212 | 1.00 | 190.00 |
| - | | |
| | | |

| 212 | 1 00 | 100 00 |
|-----|------|--------|
| 213 | 1.00 | 190.00 |
| 215 | 1.00 | 264.00 |
| 216 | 1.00 | 260.00 |
| | | |
| 217 | 1.00 | 185.00 |
| 218 | 1.00 | 360.00 |
| 219 | 1.00 | 205.00 |
| | | |
| 220 | 1.00 | 185.00 |
| 221 | 1.00 | 230.00 |
| 223 | 1.00 | 350.00 |
| | | |
| 224 | 1.00 | 275.00 |
| 225 | 1.00 | 310.00 |
| 226 | 1.00 | 370.00 |
| | | |
| 227 | 1.00 | 185.00 |
| 228 | 1.00 | 310.00 |
| 229 | 1.00 | 190.00 |
| | | |
| 230 | 1.00 | 270.00 |
| 231 | 1.00 | 190.00 |
| 232 | 1.00 | 250.00 |
| | | |
| 233 | 1.00 | 190.00 |
| 234 | 1.00 | 250.00 |
| 235 | 1.00 | 240.00 |
| | | |
| 236 | 1.00 | 210.00 |
| 237 | 1.00 | 360.00 |
| 238 | 1.00 | 440.00 |
| | | |
| 240 | 1.00 | 260.00 |
| 241 | 1.00 | 190.00 |
| 248 | 1.00 | 340.00 |
| | | |
| 249 | 1.00 | 320.00 |
| 250 | 1.00 | 320.00 |
| 251 | 1.00 | 185.00 |
| | | |
| 252 | 1.00 | 320.00 |
| 253 | 1.00 | 210.00 |
| 254 | 1.00 | 180.00 |
| | | |
| 255 | 1.00 | 190.00 |
| 256 | 1.00 | 200.00 |
| 258 | 1.00 | 300.00 |
| | | |
| 259 | 1.00 | 190.00 |
| 260 | 1.00 | 310.00 |
| 262 | 1.00 | 190.00 |
| | | |
| 263 | 1.00 | 330.00 |
| 264 | 1.00 | 190.00 |
| 265 | 1.00 | 220.00 |
| | | |
| 266 | 1.00 | 185.00 |
| 267 | 1.00 | 260.00 |
| 268 | 1.00 | 210.00 |
| | | |
| 269 | 1.00 | 190.00 |
| 270 | 1.00 | 190.00 |
| 271 | 1.00 | 330.00 |
| 272 | 1.00 | 180.00 |
| | | |
| 276 | 1.00 | 200.00 |
| 279 | 1.00 | 185.00 |
| 280 | 1.00 | 200.00 |
| | | |
| 281 | 1.00 | 230.00 |
| 282 | 1.00 | 185.00 |
| 283 | 1.00 | 185.00 |
| | | |
| 284 | 1.00 | 200.00 |
| 286 | 1.00 | 220.00 |
| 288 | 1.00 | 190.00 |
| | | |
| 289 | 1.00 | 215.00 |
| 290 | 1.00 | 190.00 |
| 291 | 1.00 | 185.00 |
| | | |
| 292 | 1.00 | 190.00 |
| 293 | 1.00 | 190.00 |
| 294 | 1.00 | 270.00 |
| | | |
| 297 | 1.00 | 200.00 |
| 298 | 1.00 | 220.00 |
| 300 | 1.00 | 205.00 |
| | | |
| 302 | 1.00 | 320.00 |
| 303 | 1.00 | 200.00 |
| 304 | 1.00 | 290.00 |
| | | |
| 305 | 1.00 | 340.00 |

| 306 | 1.00 | 310.00 |
|-----|------|--------|
| | | |
| 307 | 1.00 | 190.00 |
| 308 | 1.00 | 220.00 |
| 309 | 1.00 | 240.00 |
| | | |
| 310 | 1.00 | 240.00 |
| 311 | 1.00 | 200.00 |
| | | |
| 312 | 1.00 | 240.00 |
| 313 | 1.00 | 340.00 |
| | 1.00 | 260.00 |
| 315 | | |
| 320 | 1.00 | 240.00 |
| 321 | 1.00 | 250.00 |
| | | |
| 322 | 1.00 | 195.00 |
| 324 | 1.00 | 200.00 |
| 326 | 1.00 | 360.00 |
| | | |
| 327 | 1.00 | 300.00 |
| 328 | 1.00 | 185.00 |
| | | |
| 329 | 1.00 | 320.00 |
| 330 | 1.00 | 310.00 |
| 332 | 1.00 | 220.00 |
| | | |
| 333 | 1.00 | 270.00 |
| 335 | 1.00 | 285.00 |
| | 1.00 | |
| 336 | | 190.00 |
| 337 | 1.00 | 200.00 |
| 338 | 1.00 | 310.00 |
| | | |
| 339 | 1.00 | 285.00 |
| 340 | 1.00 | 290.00 |
| | | |
| 341 | 1.00 | 310.00 |
| 342 | 1.00 | 280.00 |
| 343 | 1.00 | 290.00 |
| | | |
| 344 | 1.00 | 200.00 |
| 345 | 1.00 | 320.00 |
| 347 | 1.00 | 410.00 |
| | | |
| 348 | 1.00 | 340.00 |
| 349 | 1.00 | 280.00 |
| | | |
| 352 | 1.00 | 190.00 |
| 354 | 1.00 | 185.00 |
| | 1.00 | 230.00 |
| 355 | | |
| 356 | 1.00 | 290.00 |
| 357 | 1.00 | 430.00 |
| | | |
| 358 | 1.00 | 200.00 |
| 359 | 1.00 | 300.00 |
| 361 | 1.00 | 290.00 |
| | | |
| 363 | 1.00 | 345.00 |
| 365 | 1.00 | 310.00 |
| 368 | 1.00 | 185.00 |
| | | |
| 369 | 1.00 | 360.00 |
| 370 | 1.00 | 185.00 |
| | 1.00 | 230.00 |
| 372 | | |
| 373 | 1.00 | 190.00 |
| 374 | 1.00 | 340.00 |
| | | |
| 375 | 1.00 | 220.00 |
| 377 | 1.00 | 310.00 |
| 378 | 1.00 | 385.00 |
| | | |
| 379 | 1.00 | 360.00 |
| 380 | 1.00 | 300.00 |
| | 1.00 | 190.00 |
| 383 | | |
| 388 | 1.00 | 300.00 |
| 389 | 1.00 | 185.00 |
| | | |
| 390 | 1.00 | 200.00 |
| 391 | 1.00 | 185.00 |
| | 1.00 | 320.00 |
| 394 | | |
| 396 | 1.00 | 300.00 |
| 397 | 1.00 | 340.00 |
| | | |
| 398 | 1.00 | 325.00 |
| 404 | 1.00 | 530.00 |
| | | |
| 405 | 1.00 | 220.00 |
| 406 | 1.00 | 275.00 |
| 407 | 1.00 | 250.00 |
| | | |
| 408 | 1.00 | 285.00 |
| 409 | 1.00 | 340.00 |
| | | |
| 410 | 1.00 | 230.00 |
| | | |

| 412 | 1.00 | 340.00 |
|-----|------|--------|
| 414 | 1.00 | 440.00 |
| 415 | 1.00 | 185.00 |
| 416 | 1.00 | 200.00 |
| | | |
| 417 | 1.00 | 185.00 |
| 418 | 1.00 | 190.00 |
| 419 | 1.00 | 210.00 |
| 423 | 1.00 | 420.00 |
| 426 | 1.00 | 360.00 |
| 428 | 1.00 | 260.00 |
| | 1.00 | |
| 430 | | 231.00 |
| 432 | 1.00 | 310.00 |
| 433 | 1.00 | 190.00 |
| 434 | 1.00 | 335.00 |
| 435 | 1.00 | 375.00 |
| 436 | 1.00 | 220.00 |
| 438 | 1.00 | 220.00 |
| 439 | 1.00 | 330.00 |
| | | |
| 441 | 1.00 | 185.00 |
| 443 | 1.00 | 470.00 |
| 444 | 1.00 | 390.00 |
| 447 | 1.00 | 215.00 |
| 450 | 1.00 | 360.00 |
| 452 | 1.00 | 325.00 |
| 454 | 1.00 | 340.00 |
| 455 | 1.00 | 330.00 |
| | | |
| 457 | 1.00 | 190.00 |
| 460 | 1.00 | 295.00 |
| 461 | 1.00 | 295.00 |
| 462 | 1.00 | 290.00 |
| 464 | 1.00 | 190.00 |
| 465 | 1.00 | 360.00 |
| 466 | 1.00 | 330.00 |
| | | |
| 468 | 1.00 | 460.00 |
| 471 | 1.00 | 185.00 |
| 472 | 1.00 | 445.00 |
| 473 | 1.00 | 390.00 |
| 474 | 1.00 | 400.00 |
| 475 | 1.00 | 250.00 |
| 476 | 1.00 | 270.00 |
| 478 | 1.00 | 180.00 |
| | | |
| 479 | 1.00 | 190.00 |
| 480 | 1.00 | 400.00 |
| 481 | 1.00 | 210.00 |
| 482 | 1.00 | 180.00 |
| 483 | 1.00 | 240.00 |
| 484 | 1.00 | 185.00 |
| 485 | 1.00 | 295.00 |
| 487 | 1.00 | 300.00 |
| | | |
| 489 | 1.00 | 190.00 |
| 490 | 1.00 | 200.00 |
| 491 | 1.00 | 430.00 |
| 492 | 1.00 | 280.00 |
| 493 | 1.00 | 210.00 |
| 494 | 1.00 | 320.00 |
| 495 | 1.00 | 335.00 |
| 497 | 1.00 | 265.00 |
| | | |
| 498 | 1.00 | 306.00 |
| 499 | 1.00 | 190.00 |
| 501 | 1.00 | 210.00 |
| 502 | 1.00 | 260.00 |
| 503 | 1.00 | 290.00 |
| 505 | 1.00 | 295.00 |
| | 1.00 | 470.00 |
| 506 | | |
| 507 | 1.00 | 185.00 |
| 510 | 1.00 | 190.00 |
| 511 | 1.00 | 200.00 |
| 512 | 1.00 | 185.00 |
| 513 | 1.00 | 200.00 |
| 514 | 1.00 | 285.00 |
| 515 | 1.00 | 220.00 |
| 7-7 | 1.00 | 220.00 |

| 517 | 1.00 | 300.00 |
|-----|------|--------|
| | | |
| 518 | 1.00 | 300.00 |
| 524 | 1.00 | 185.00 |
| | | |
| 525 | 1.00 | 185.00 |
| 526 | 1.00 | 200.00 |
| 528 | 1.00 | |
| | | 190.00 |
| 529 | 1.00 | 200.00 |
| 530 | 1.00 | 360.00 |
| | | |
| 532 | 1.00 | 290.00 |
| 533 | 1.00 | 210.00 |
| | | |
| 534 | 1.00 | 190.00 |
| 536 | 1.00 | 345.00 |
| 537 | 1.00 | 310.00 |
| | | |
| 540 | 1.00 | 185.00 |
| 541 | 1.00 | 190.00 |
| | | |
| 543 | 1.00 | 340.00 |
| 545 | 1.00 | 190.00 |
| 546 | 1.00 | 370.00 |
| | | |
| 547 | 1.00 | 210.00 |
| 548 | 1.00 | 220.00 |
| | | |
| 549 | 1.00 | 380.00 |
| 550 | 1.00 | 190.00 |
| 551 | 1.00 | |
| | | 185.00 |
| 552 | 1.00 | 410.00 |
| 554 | 1.00 | 325.00 |
| | | |
| 558 | 1.00 | 340.00 |
| 559 | 1.00 | 220.00 |
| | | |
| 560 | 1.00 | 200.00 |
| 562 | 1.00 | 185.00 |
| 565 | 1.00 | 250.00 |
| | | |
| 569 | 1.00 | 360.00 |
| 570 | 1.00 | 205.00 |
| | | |
| 572 | 1.00 | 330.00 |
| 573 | 1.00 | 345.00 |
| 575 | 1.00 | 345.00 |
| | | |
| 577 | 1.00 | 190.00 |
| 579 | 1.00 | 390.00 |
| | | |
| 580 | 1.00 | 250.00 |
| 581 | 1.00 | 310.00 |
| | | |
| 582 | 1.00 | 350.00 |
| 583 | 1.00 | 370.00 |
| 584 | 1.00 | 220.00 |
| | | |
| 585 | 1.00 | 210.00 |
| 586 | 1.00 | 290.00 |
| | | |
| 588 | 1.00 | 340.00 |
| 589 | 1.00 | 185.00 |
| 590 | 1.00 | 185.00 |
| | | |
| 591 | 1.00 | 240.00 |
| 592 | 1.00 | 190.00 |
| | | |
| 595 | 1.00 | 390.00 |
| 596 | 1.00 | 200.00 |
| 598 | 1.00 | 280.00 |
| | | |
| 599 | 1.00 | 190.00 |
| 600 | 1.00 | 185.00 |
| | 1.00 | |
| 601 | | 220.00 |
| 602 | 1.00 | 210.00 |
| 605 | 1.00 | 190.00 |
| | | |
| 606 | 1.00 | 190.00 |
| 607 | 1.00 | 190.00 |
| | 1.00 | |
| 610 | | 250.00 |
| 611 | 1.00 | 430.00 |
| 612 | 1.00 | 360.00 |
| | | |
| 614 | 1.00 | 210.00 |
| 615 | 1.00 | 180.00 |
| | | |
| 616 | 1.00 | 280.00 |
| 618 | 1.00 | 250.00 |
| | 1.00 | 240.00 |
| 619 | | |
| 620 | 1.00 | 300.00 |
| 621 | 1.00 | 220.00 |
| | | |
| 624 | 1.00 | 185.00 |
| 625 | 1.00 | 200.00 |
| | | |

| 627 | 1.00 | 190.00 |
|-----|------|--------|
| | | |
| 629 | 1.00 | 420.00 |
| 630 | 1.00 | 420.00 |
| 631 | 1.00 | 420.00 |
| | | |
| 634 | 1.00 | 185.00 |
| 639 | 1.00 | 215.00 |
| 640 | 1.00 | 185.00 |
| | 1.00 | |
| 641 | | 390.00 |
| 642 | 1.00 | 185.00 |
| 644 | 1.00 | 280.00 |
| 645 | 1.00 | 200.00 |
| | | |
| 646 | 1.00 | 370.00 |
| 647 | 1.00 | 220.00 |
| 648 | 1.00 | 320.00 |
| | | |
| 649 | 1.00 | 185.00 |
| 650 | 1.00 | 230.00 |
| 651 | 1.00 | 280.00 |
| | | |
| 653 | 1.00 | 205.00 |
| 654 | 1.00 | 290.00 |
| 655 | 1.00 | 235.00 |
| | 1.00 | 280.00 |
| 656 | | |
| 657 | 1.00 | 210.00 |
| 658 | 1.00 | 200.00 |
| 659 | 1.00 | 190.00 |
| | | |
| 660 | 1.00 | 290.00 |
| 661 | 1.00 | 230.00 |
| 662 | 1.00 | 245.00 |
| | | |
| 663 | 1.00 | 230.00 |
| 664 | 1.00 | 360.00 |
| 668 | 1.00 | 290.00 |
| | 1.00 | 350.00 |
| 669 | | |
| 670 | 1.00 | 320.00 |
| 671 | 1.00 | 185.00 |
| 672 | 1.00 | 300.00 |
| | 1.00 | 340.00 |
| 673 | | |
| 676 | 1.00 | 360.00 |
| 677 | 1.00 | 320.00 |
| 678 | 1.00 | 290.00 |
| | | |
| 679 | 1.00 | 340.00 |
| 680 | 1.00 | 350.00 |
| 682 | 1.00 | 400.00 |
| 683 | 1.00 | 215.00 |
| | | |
| 684 | 1.00 | 390.00 |
| 688 | 1.00 | 240.00 |
| 691 | 1.00 | 345.00 |
| 693 | 1.00 | 215.00 |
| | | |
| 694 | 1.00 | 360.00 |
| 696 | 1.00 | 320.00 |
| 697 | 1.00 | 260.00 |
| 699 | 1.00 | 190.00 |
| | | |
| 700 | 1.00 | 240.00 |
| 701 | 1.00 | 200.00 |
| 703 | 1.00 | 310.00 |
| 705 | 1.00 | 185.00 |
| | | |
| 706 | 1.00 | 185.00 |
| 708 | 1.00 | 210.00 |
| 710 | 1.00 | 320.00 |
| | | |
| 711 | 1.00 | 225.00 |
| 712 | 1.00 | 388.00 |
| 714 | 1.00 | 280.00 |
| 715 | 1.00 | 500.00 |
| | | |
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| 717 | 1.00 | 340.00 |
| 718 | 1.00 | 230.00 |
| | | |
| 720 | 1.00 | 210.00 |
| 723 | 1.00 | 330.00 |
| 724 | 1.00 | 370.00 |
| 725 | 1.00 | 185.00 |
| | | |
| 727 | 1.00 | 210.00 |
| 728 | 1.00 | 290.00 |
| 729 | 1.00 | 190.00 |
| | | |

| 73.0 | 7 00 | 100 00 |
|------|------|--------|
| 730 | 1.00 | 190.00 |
| 731 | 1.00 | 220.00 |
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| 738 | 1.00 | 190.00 |
| 739 | 1.00 | 220.00 |
| | | |
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| 742 | 1.00 | 250.00 |
| 745 | 1.00 | 360.00 |
| 746 | 1.00 | 210.00 |
| 747 | 1.00 | 270.00 |
| 748 | 1.00 | 310.00 |
| | 1.00 | 240.00 |
| 749 | | |
| 750 | 1.00 | 360.00 |
| 751 | 1.00 | 300.00 |
| 752 | 1.00 | 380.00 |
| 753 | 1.00 | 320.00 |
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| 755 | 1.00 | 225.00 |
| 757 | 1.00 | 195.00 |
| 758 | 1.00 | 185.00 |
| | | |
| 759 | 1.00 | 200.00 |
| 760 | 1.00 | 320.00 |
| 761 | 1.00 | 330.00 |
| 763 | 1.00 | 300.00 |
| 766 | 1.00 | 300.00 |
| 767 | 1.00 | 302.00 |
| 770 | 1.00 | 280.00 |
| | 1.00 | |
| 771 | | 240.00 |
| 772 | 1.00 | 290.00 |
| 773 | 1.00 | 260.00 |
| 777 | 1.00 | 230.00 |
| 778 | 1.00 | 200.00 |
| 779 | 1.00 | 210.00 |
| 781 | 1.00 | 380.00 |
| 782 | 1.00 | 360.00 |
| | | |
| 783 | 1.00 | 200.00 |
| 784 | 1.00 | 195.00 |
| 788 | 1.00 | 190.00 |
| 789 | 1.00 | 190.00 |
| 790 | 1.00 | 270.00 |
| 791 | 1.00 | 200.00 |
| 792 | 1.00 | 380.00 |
| 793 | 1.00 | 185.00 |
| 794 | 1.00 | 185.00 |
| | | |
| 795 | 1.00 | 480.00 |
| 796 | 1.00 | 360.00 |
| 800 | 1.00 | 300.00 |
| 801 | 1.00 | 340.00 |
| 802 | 1.00 | 210.00 |
| 804 | 1.00 | 215.00 |
| 806 | 1.00 | 195.00 |
| 807 | 1.00 | 330.00 |
| | | |
| 808 | 1.00 | 320.00 |
| 811 | 1.00 | 350.00 |
| 813 | 1.00 | 190.00 |
| 814 | 1.00 | 210.00 |
| 817 | 1.00 | 195.00 |
| 820 | 1.00 | 235.00 |
| 821 | 1.00 | 195.00 |
| | 1.00 | |
| 823 | | 250.00 |
| 824 | 1.00 | 260.00 |
| 825 | 1.00 | 330.00 |
| 826 | 1.00 | 205.00 |
| 827 | 1.00 | 185.00 |
| 830 | 1.00 | 320.00 |
| 831 | 1.00 | 330.00 |
| 832 | 1.00 | 370.00 |
| 833 | 1.00 | 260.00 |
| | 1.00 | 200.00 |

| 834 | 1.00 | 210.00 |
|-----|------|--------|
| | | |
| 838 | 1.00 | 370.00 |
| 840 | 1.00 | 220.00 |
| 841 | 1.00 | 300.00 |
| | | |
| 842 | 1.00 | 280.00 |
| 843 | 1.00 | 240.00 |
| 844 | 1.00 | 230.00 |
| | | |
| 845 | 1.00 | 240.00 |
| 846 | 1.00 | 185.00 |
| | 1.00 | 340.00 |
| 847 | | |
| 848 | 1.00 | 320.00 |
| 849 | 1.00 | 430.00 |
| 852 | 1.00 | 200.00 |
| | | |
| 853 | 1.00 | 290.00 |
| 854 | 1.00 | 210.00 |
| 857 | 1.00 | 350.00 |
| | | |
| 858 | 1.00 | 210.00 |
| 859 | 1.00 | 200.00 |
| 860 | 1.00 | 185.00 |
| | | |
| 861 | 1.00 | 282.00 |
| 862 | 1.00 | 185.00 |
| 863 | 1.00 | 185.00 |
| | | |
| 864 | 1.00 | 220.00 |
| 865 | 1.00 | 300.00 |
| 866 | 1.00 | 300.00 |
| | | |
| 869 | 1.00 | 190.00 |
| 870 | 1.00 | 430.00 |
| 872 | 1.00 | 390.00 |
| | 1.00 | |
| 873 | | 360.00 |
| 874 | 1.00 | 185.00 |
| 875 | 1.00 | 250.00 |
| | 1.00 | |
| 879 | _ | 210.00 |
| 880 | 1.00 | 370.00 |
| 881 | 1.00 | 420.00 |
| | 1.00 | 200.00 |
| 883 | | |
| 885 | 1.00 | 360.00 |
| 887 | 1.00 | 215.00 |
| | 1.00 | 200.00 |
| 888 | | |
| 889 | 1.00 | 185.00 |
| 890 | 1.00 | 260.00 |
| 893 | 1.00 | 210.00 |
| | | |
| 896 | 1.00 | 240.00 |
| 897 | 1.00 | 200.00 |
| 898 | 1.00 | 260.00 |
| | 1.00 | |
| 900 | | 210.00 |
| 902 | 1.00 | 365.00 |
| 903 | 1.00 | 322.00 |
| 904 | 1.00 | 390.00 |
| | | |
| 905 | 1.00 | 340.00 |
| 907 | 1.00 | 270.00 |
| 908 | 1.00 | 380.00 |
| | 1.00 | 230.00 |
| 910 | | |
| 911 | 1.00 | 190.00 |
| 912 | 1.00 | 250.00 |
| | 1.00 | 185.00 |
| 913 | | |
| 914 | 1.00 | 320.00 |
| 917 | 1.00 | 540.00 |
| | 1.00 | 190.00 |
| 918 | | |
| 921 | 1.00 | 240.00 |
| 923 | 1.00 | 180.00 |
| 924 | 1.00 | 350.00 |
| | | |
| 925 | 1.00 | 340.00 |
| 926 | 1.00 | 360.00 |
| | 1.00 | 370.00 |
| 927 | | |
| 928 | 1.00 | 360.00 |
| 929 | 1.00 | 190.00 |
| | | |
| 930 | 1.00 | 340.00 |
| 932 | 1.00 | 230.00 |
| 933 | 1.00 | 270.00 |
| | 1.00 | 190.00 |
| 934 | | |
| | | |
| 935 | 1.00 | 370.00 |

| 936 | 1.00 | 185.00 |
|--------------|------|------------------|
| | | |
| 938 | 1.00 | 415.00 |
| 939 | 1.00 | 220.00 |
| 941 | 1.00 | 300.00 |
| 944 | 1.00 | 200.00 |
| 946 | 1.00 | 220.00 |
| 947 | 1.00 | 185.00 |
| 948 | 1.00 | 250.00 |
| | | |
| 949 | 1.00 | 250.00 |
| 950 | 1.00 | 250.00 |
| 951 | 1.00 | 185.00 |
| 952 | 1.00 | 330.00 |
| 956 | 1.00 | 390.00 |
| 957 | 1.00 | 185.00 |
| | | |
| 960 | 1.00 | 210.00 |
| 962 | 1.00 | 190.00 |
| 964 | 1.00 | 210.00 |
| 965 | 1.00 | 340.00 |
| 966 | 1.00 | 350.00 |
| 967 | 1.00 | 190.00 |
| 969 | 1.00 | 195.00 |
| | | |
| 971 | 1.00 | 370.00 |
| 972 | 1.00 | 190.00 |
| 973 | 1.00 | 190.00 |
| 975 | 1.00 | 390.00 |
| 976 | 1.00 | 390.00 |
| 977 | 1.00 | 510.00 |
| 978 | 1.00 | |
| | | 220.00 |
| 979 | 1.00 | 420.00 |
| 980 | 1.00 | 200.00 |
| 982 | 1.00 | 240.00 |
| 984 | 1.00 | 300.00 |
| 990 | 1.00 | 240.00 |
| 991 | 1.00 | 210.00 |
| 992 | 1.00 | 270.00 |
| | | |
| 993 | 1.00 | 185.00 |
| 994 | 1.00 | 190.00 |
| 995 | 1.00 | 185.00 |
| 996 | 1.00 | 330.00 |
| 997 | 1.00 | 190.00 |
| 999 | 1.00 | 185.00 |
| 1000 | 1.00 | 230.00 |
| | | |
| 1001 | 1.00 | 200.00 |
| 1002 | 1.00 | 350.00 |
| 1004 | 1.00 | 185.00 |
| 1005 | 1.00 | 350.00 |
| 1006 | 1.00 | 370.00 |
| 1007 | 1.00 | 230.00 |
| 1008 | 1.00 | 210.00 |
| | 1.00 | 330.00 |
| 1009 | | |
| 1010 | 1.00 | 322.00 |
| 1011 | 1.00 | 200.00 |
| 1012 | 1.00 | 310.00 |
| 1013 | 1.00 | 560.00 |
| 1014 | 1.00 | 200.00 |
| 1015 | 1.00 | 250.00 |
| | 1.00 | 320.00 |
| 1016 | | |
| 1017 | 1.00 | 230.00 |
| 1018 | 1.00 | 200.00 |
| 1020 | 1.00 | 190.00 |
| 1023 | 1.00 | 240.00 |
| 1025 | 1.00 | 185.00 |
| 1027 | 1.00 | 190.00 |
| | | |
| 1029 | 1.00 | 210.00 |
| 1031 | 1.00 | 200.00 |
| 1032 | 1.00 | 240.00 |
| 1033 | 1.00 | 200.00 |
| 1034 | 1.00 | 320.00 |
| 1035 | 1.00 | 320.00 |
| | 1.00 | |
| 1036 | | |
| 1036
1037 | 1.00 | 330.00
230.00 |

| 1040 | 1.00 | 270.00 |
|------|------|--------|
| | | |
| 1041 | 1.00 | 190.00 |
| 1042 | 1.00 | 185.00 |
| | 1.00 | 185.00 |
| 1043 | | |
| 1044 | 1.00 | 185.00 |
| 1045 | 1.00 | 190.00 |
| | 1.00 | |
| 1047 | | 240.00 |
| 1049 | 1.00 | 320.00 |
| 1050 | 1.00 | 310.00 |
| | | |
| 1052 | 1.00 | 300.00 |
| 1054 | 1.00 | 440.00 |
| 1055 | 1.00 | 230.00 |
| | | |
| 1056 | 1.00 | 340.00 |
| 1057 | 1.00 | 340.00 |
| 1059 | 1.00 | 200.00 |
| | 1.00 | 370.00 |
| 1060 | | |
| 1061 | 1.00 | 290.00 |
| 1062 | 1.00 | 330.00 |
| | 1.00 | |
| 1063 | | 200.00 |
| 1065 | 1.00 | 330.00 |
| 1066 | 1.00 | 220.00 |
| | 1.00 | 370.00 |
| 1067 | | |
| 1069 | 1.00 | 330.00 |
| 1070 | 1.00 | 280.00 |
| | 1.00 | 200.00 |
| 1072 | | |
| 1073 | 1.00 | 250.00 |
| 1076 | 1.00 | 190.00 |
| | 1.00 | 220.00 |
| 1077 | | |
| 1078 | 1.00 | 185.00 |
| 1079 | 1.00 | 300.00 |
| 1080 | 1.00 | 200.00 |
| | | |
| 1081 | 1.00 | 320.00 |
| 1083 | 1.00 | 205.00 |
| 1084 | 1.00 | 340.00 |
| | | |
| 1086 | 1.00 | 320.00 |
| 1087 | 1.00 | 220.00 |
| 1089 | 1.00 | 360.00 |
| | | |
| 1090 | 1.00 | 350.00 |
| 1091 | 1.00 | 190.00 |
| 1092 | 1.00 | 230.00 |
| | | |
| 1093 | 1.00 | 190.00 |
| 1094 | 1.00 | 185.00 |
| 1095 | 1.00 | 185.00 |
| | 1.00 | 270.00 |
| 1096 | | |
| 1097 | 1.00 | 290.00 |
| 1098 | 1.00 | 310.00 |
| 1099 | 1.00 | 270.00 |
| | | |
| 1100 | 1.00 | 200.00 |
| 1102 | 1.00 | 185.00 |
| 1104 | 1.00 | 292.00 |
| 1107 | 1.00 | 300.00 |
| | | |
| 1111 | 1.00 | 323.00 |
| 1112 | 1.00 | 340.00 |
| 1113 | 1.00 | 380.00 |
| | | |
| 1114 | 1.00 | 180.00 |
| 1115 | 1.00 | 230.00 |
| 1116 | 1.00 | 310.00 |
| | | |
| 1118 | 1.00 | 260.00 |
| 1119 | 1.00 | 250.00 |
| 1120 | 1.00 | 310.00 |
| | | |
| 1121 | 1.00 | 340.00 |
| 1122 | 1.00 | 300.00 |
| 1123 | 1.00 | 185.00 |
| | | |
| 1126 | 1.00 | 530.00 |
| 1127 | 1.00 | 200.00 |
| 1130 | 1.00 | 335.00 |
| | | |
| 1133 | 1.00 | 325.00 |
| 1134 | 1.00 | 520.00 |
| 1135 | 1.00 | 270.00 |
| 1138 | 1.00 | 340.00 |
| | | |
| 1140 | 1.00 | 335.00 |
| | | |

| 1142 | | |
|---|--|--|
| | 1.00 | 560.00 |
| | | |
| 1144 | 1.00 | 280.00 |
| 1145 | 1.00 | 210.00 |
| 1149 | 1.00 | 185.00 |
| | | |
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| 1151 | 1.00 | 330.00 |
| 1152 | 1.00 | 360.00 |
| | | |
| 1153 | 1.00 | 300.00 |
| 1156 | 1.00 | 310.00 |
| | | |
| 1160 | 1.00 | 240.00 |
| 1161 | 1.00 | 250.00 |
| 1162 | 1.00 | 300.00 |
| | | |
| 1163 | 1.00 | 310.00 |
| 1164 | 1.00 | 250.00 |
| 1165 | 1.00 | 185.00 |
| | | |
| 1166 | 1.00 | 410.00 |
| 1167 | 1.00 | 185.00 |
| 1168 | 1.00 | 190.00 |
| | | |
| 1169 | 1.00 | 190.00 |
| 1170 | 1.00 | 280.00 |
| 1179 | 1.00 | 370.00 |
| | | |
| 1183 | 1.00 | 200.00 |
| 1184 | 1.00 | 280.00 |
| 1185 | 1.00 | 190.00 |
| | | |
| 1187 | 1.00 | 240.00 |
| 1188 | 1.00 | 200.00 |
| | 1.00 | 290.00 |
| 1189 | | |
| 1190 | 1.00 | 260.00 |
| 1192 | 1.00 | 300.00 |
| | | |
| 1193 | 1.00 | 390.00 |
| 1196 | 1.00 | 210.00 |
| 1197 | 1.00 | 185.00 |
| | 1.00 | |
| 1198 | | 300.00 |
| 1201 | 1.00 | 260.00 |
| 1202 | 1.00 | 310.00 |
| | | |
| 1205 | 1.00 | 240.00 |
| 1206 | 1.00 | 310.00 |
| 1207 | 1.00 | 260.00 |
| | | |
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| 1210 | 1.00 | 240.00 |
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| | | |
| 1214 | 1 00 | |
| | 1.00 | 370.00 |
| 1216 | 1.00
1.00 | 370.00
365.00 |
| | 1.00 | 365.00 |
| 1218 | 1.00
1.00 | 365.00
235.00 |
| | 1.00
1.00
1.00 | 365.00
235.00
280.00 |
| 1218 | 1.00
1.00 | 365.00
235.00 |
| 1218
1223
1224 | 1.00
1.00
1.00
1.00 | 365.00
235.00
280.00
200.00 |
| 1218
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1225 | 1.00
1.00
1.00
1.00 | 365.00
235.00
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350.00 |
| 1218
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1231 | 1.00
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|------|------------|--------|--------|--------|--------|
| 1733 | 0.98(0.98) | | 210.00 | 161.44 | 69.96 |
| 1734 | 0.98(0.98) | 520.92 | 315.00 | 205.92 | 89.23 |
| 1735 | 0.98(0.98) | 369.21 | 240.00 | 129.21 | 55.99 |
| 1736 | 0.98(0.98) | 393.83 | 185.00 | 208.83 | 90.49 |
| 1737 | 0.98(0.98) | | 200.00 | 198.25 | 85.91 |
| 1738 | 0.98(0.98) | | 300.00 | | 101.85 |
| | | | | 235.05 | |
| 1740 | 0.98(0.98) | | 190.00 | 266.79 | 115.61 |
| 1741 | 0.98(0.98) | 462.56 | 205.00 | 257.56 | 111.61 |
| 1742 | 0.98(0.98) | 456.04 | 190.00 | 266.04 | 115.28 |
| 1744 | 0.98(0.98) | 473.20 | 220.00 | 253.20 | 109.72 |
| 1745 | 0.98(0.98) | | 265.00 | 214.68 | 93.03 |
| 1746 | 0.98(0.98) | | 270.00 | | |
| | | | | 214.87 | 93.11 |
| 1747 | 0.98(0.98) | | 210.00 | 253.30 | 109.76 |
| 1748 | 0.98(0.98) | 460.42 | 200.00 | 260.42 | 112.85 |
| 1749 | 0.98(0.98) | 462.03 | 210.00 | 252.03 | 109.21 |
| 1750 | 0.98(0.98) | 455.16 | 200.00 | 255.16 | 110.57 |
| 1751 | 0.98(0.98) | 470.40 | 220.00 | 250.40 | 108.50 |
| 1752 | 0.98(0.98) | | 220.00 | 250.41 | 108.51 |
| | | | | | |
| 1753 | 0.98(0.98) | | 180.00 | 275.59 | 119.42 |
| 1755 | 0.98(0.98) | | 205.00 | 257.36 | 111.52 |
| 1756 | 0.98(0.98) | 475.87 | 330.00 | 145.87 | 63.21 |
| 1758 | 0.98(0.98) | 453.37 | 180.00 | 273.37 | 118.46 |
| 1759 | 0.98(0.98) | 452.72 | 180.00 | 272.72 | 118.18 |
| 1760 | 0.98(0.98) | | 190.00 | 265.18 | 114.91 |
| | 0.98(0.98) | | 180.00 | | 119.24 |
| 1761 | | | | 275.18 | |
| 1762 | 0.98(0.98) | | 190.00 | 265.20 | 114.92 |
| 1763 | 0.98(0.98) | | 190.00 | 265.20 | 114.92 |
| 1764 | 0.98(0.98) | 531.38 | 310.00 | 221.38 | 95.93 |
| 1765 | 0.98(0.98) | 506.70 | 260.00 | 246.70 | 106.90 |
| 1766 | 0.98(0.98) | | 280.00 | 235.92 | 102.23 |
| 1767 | 0.98(0.98) | | 290.00 | 223.47 | 96.84 |
| | | | | | |
| 1768 | 0.98(0.98) | | 315.00 | 208.38 | 90.30 |
| 1769 | 0.98(0.98) | | 280.00 | 229.45 | 99.43 |
| 1770 | 0.98(0.98) | 517.22 | 300.00 | 217.22 | 94.13 |
| 1771 | 0.98(0.98) | 474.13 | 240.00 | 234.13 | 101.46 |
| 1772 | 0.98(0.98) | 509.33 | 280.00 | 229.33 | 99.38 |
| 1773 | 0.98(0.98) | | 185.00 | 171.61 | 74.36 |
| | 0.98(0.98) | | | | |
| 1774 | | | 200.00 | 272.46 | 118.07 |
| 1775 | 0.98(0.98) | | 200.00 | 219.46 | 95.10 |
| 1777 | 0.98(0.98) | | 250.00 | 110.57 | 47.91 |
| 1778 | 0.98(0.98) | 508.20 | 270.00 | 238.20 | 103.22 |
| 1779 | 0.98(0.98) | 351.00 | 200.00 | 151.00 | 65.43 |
| 1780 | 0.98(0.98) | 452.92 | 180.00 | 272.92 | 118.27 |
| 1781 | 0.98(0.98) | | 240.00 | 135.04 | 58.52 |
| | 0.98(0.98) | | | | |
| 1782 | | | 310.00 | 207.94 | 90.11 |
| 1783 | 0.98(0.98) | | 310.00 | 212.76 | 92.20 |
| 1785 | 0.98(0.98) | 519.95 | 315.00 | 204.95 | 88.81 |
| 1786 | 0.98(0.98) | 516.95 | 300.00 | 216.95 | 94.01 |
| 1787 | 0.98(0.98) | 518.55 | 315.00 | 203.55 | 88.20 |
| 1788 | 0.98(0.98) | 373.05 | 220.00 | 153.05 | 66.32 |
| 1789 | 0.98(0.98) | | 280.00 | 222.48 | 96.41 |
| | 0.98(0.98) | | 185.00 | 208.87 | |
| 1790 | | | | | 90.51 |
| 1791 | 0.98(0.98) | | 295.00 | 219.60 | 95.16 |
| 1792 | 0.98(0.98) | | 240.00 | 265.77 | 115.17 |
| 1793 | 0.98(0.98) | 522.83 | 310.00 | 212.83 | 92.23 |
| 1794 | 0.98(0.98) | 580.33 | 440.00 | 140.33 | 60.81 |
| 1795 | 0.98(0.98) | 517.52 | 310.00 | 207.52 | 89.93 |
| 1796 | 0.98(0.98) | 523.13 | 315.00 | 208.13 | 90.19 |
| | | 522.80 | | | |
| 1797 | 0.98(0.98) | | 310.00 | 212.80 | 92.21 |
| 1798 | 0.98(0.98) | 508.26 | 260.00 | 248.26 | 107.58 |
| 1799 | 0.98(0.98) | 508.10 | 280.00 | 228.10 | 98.84 |
| 1800 | 0.98(0.98) | 420.37 | 185.00 | 235.37 | 101.99 |
| 1801 | 0.98(0.98) | 516.16 | 295.00 | 221.16 | 95.84 |
| 1802 | 0.98(0.98) | 509.37 | 280.00 | 229.37 | 99.39 |
| | 0.98(0.98) | 502.53 | 240.00 | 262.53 | 113.76 |
| 1803 | | | | | |
| 1804 | 0.98(0.98) | 502.68 | 250.00 | 252.68 | 109.50 |
| 1805 | 0.98(0.98) | 478.88 | 330.00 | 148.88 | 64.51 |
| 1806 | 0.98(0.98) | 515.92 | 290.00 | 225.92 | 97.90 |
| 1807 | 0.98(0.98) | 516.94 | 310.00 | 206.94 | 89.67 |
| 1808 | 0.98(0.98) | | 300.00 | 216.97 | 94.02 |
| 1809 | 0.98(0.98) | | 460.00 | 172.43 | 74.72 |
| 1000 | 0.50(0.50) | 552.35 | 100.00 | 2.73 | |

| 1810 | 0.98(0.98) | 518.38 | 315.00 | 203.38 | 88.13 |
|------|------------|--------|--------|--------|--------|
| 1811 | 0.98(0.98) | | 360.00 | 147.91 | 64.09 |
| | | | | | |
| 1812 | 0.98(0.98) | | 310.00 | 321.57 | 139.35 |
| 1815 | 0.98(0.98) | 480.42 | 340.00 | 140.42 | 60.85 |
| 1816 | 0.98(0.98) | 519.95 | 300.00 | 219.95 | 95.31 |
| | | | | | |
| 1818 | 0.98(0.98) | | 270.00 | 225.59 | 97.75 |
| 1819 | 0.98(0.98) | 377.92 | 290.00 | 87.92 | 38.10 |
| 1822 | 0.98(0.98) | 396.17 | 190.00 | 206.17 | 89.34 |
| | | | | | |
| 1824 | 0.98(0.98) | | 190.00 | 184.60 | 79.99 |
| 1825 | 0.98(0.98) | 390.59 | 220.00 | 170.59 | 73.92 |
| 1826 | 0.98(0.98) | 374.60 | 195.00 | 179.60 | 77.83 |
| | 0.98(0.98) | | | | |
| 1827 | | | 270.00 | 183.78 | 79.64 |
| 1828 | 0.98(0.98) | 393.79 | 185.00 | 208.79 | 90.48 |
| 1829 | 0.98(0.98) | 509.27 | 340.00 | 169.27 | 73.35 |
| 1831 | 0.98(0.98) | | 340.00 | | |
| | | | | 203.84 | 88.33 |
| 1833 | 0.98(0.98) | 355.89 | 270.00 | 85.89 | 37.22 |
| 1834 | 0.98(0.98) | 354.71 | 250.00 | 104.71 | 45.37 |
| 1835 | 0.98(0.98) | 509.71 | 360.00 | 149.71 | 64.88 |
| | | | | | |
| 1836 | 0.98(0.98) | 473.39 | 370.00 | 103.39 | 44.80 |
| 1837 | 0.98(0.98) | 541.80 | 300.00 | 241.80 | 104.78 |
| 1838 | 0.98(0.98) | 494.86 | 270.00 | 224.86 | 97.44 |
| | | | | | |
| 1839 | 0.98(0.98) | | 250.00 | 123.66 | 53.59 |
| 1840 | 0.98(0.98) | 452.91 | 250.00 | 202.91 | 87.93 |
| 1841 | 0.98(0.98) | 580.11 | 290.00 | 290.11 | 125.71 |
| 1851 | 0.98(0.98) | | 210.00 | 255.36 | |
| | | | | | 110.66 |
| 1858 | 0.98(0.98) | 531.02 | 280.00 | 251.02 | 108.78 |
| 1870 | 0.98(0.98) | 394.90 | 190.00 | 204.90 | 88.79 |
| 1876 | 0.98(0.98) | | 185.00 | 169.51 | 73.45 |
| | • . | | | | |
| 1883 | 0.98(0.98) | 567.52 | 280.00 | 287.52 | 124.59 |
| 1884 | 0.98(0.98) | 626.12 | 360.00 | 266.12 | 115.32 |
| 1885 | 0.98(0.98) | 624.65 | 560.00 | 64.65 | 28.02 |
| | | | | | |
| 1887 | 0.98(0.98) | | 420.00 | 178.88 | 77.52 |
| 1888 | 0.98(0.98) | 579.05 | 330.00 | 249.05 | 107.92 |
| 1889 | 0.98(0.98) | 364.82 | 230.00 | 134.82 | 58.42 |
| 1892 | 0.98(0.98) | | 200.00 | 201.11 | 87.15 |
| | | | | | |
| 1893 | 0.98(0.98) | | 220.00 | 177.53 | 76.93 |
| 1894 | 0.98(0.98) | 369.20 | 225.00 | 144.20 | 62.49 |
| 1895 | 0.98(0.98) | 356.78 | 290.00 | 66.78 | 28.94 |
| 1896 | 0.98(0.98) | | 290.00 | 221.89 | 96.15 |
| | | | | | |
| 1897 | 0.98(0.98) | | 270.00 | 353.29 | 153.09 |
| 1898 | 0.98(0.98) | 393.79 | 185.00 | 208.79 | 90.48 |
| 1899 | 0.98(0.98) | 561.96 | 292.00 | 269.96 | 116.98 |
| 1900 | 0.98(0.98) | 505.68 | 420.00 | 85.68 | 37.13 |
| | | | | | |
| 1901 | 0.98(0.98) | 567.78 | 340.00 | 227.78 | 98.71 |
| 1903 | 0.98(0.98) | 454.82 | 260.00 | 194.82 | 84.42 |
| 1904 | 0.98(0.98) | 538.71 | 340.00 | 198.71 | 86.11 |
| | 0.98(0.98) | 507.19 | 360.00 | | 63.78 |
| 1905 | | | | 147.19 | |
| 1906 | 0.98(0.98) | 480.37 | 260.00 | 220.37 | 95.49 |
| 1907 | 0.98(0.98) | 444.61 | 200.00 | 244.61 | 106.00 |
| 1908 | 0.98(0.98) | 535.05 | 300.00 | 235.05 | 101.86 |
| | | | | | |
| 1909 | 0.98(0.98) | 474.26 | 340.00 | 134.26 | 58.18 |
| 1910 | 0.98(0.98) | 375.90 | 290.00 | 85.90 | 37.22 |
| 1911 | 0.98(0.98) | 562.24 | 300.00 | 262.24 | 113.64 |
| | • | | | | |
| 1912 | 0.98(0.98) | 583.75 | 390.00 | 193.75 | 83.96 |
| 1913 | 0.98(0.98) | 479.72 | 320.00 | 159.72 | 69.21 |
| 1914 | 0.98(0.98) | 494.80 | 270.00 | 224.80 | 97.41 |
| 1915 | 0.98(0.98) | 368.43 | 190.00 | 178.43 | 77.32 |
| | | | | | |
| 1916 | 0.98(0.98) | 383.30 | 260.00 | 123.30 | 53.43 |
| 1917 | 0.98(0.98) | 404.91 | 210.00 | 194.91 | 84.46 |
| 1918 | 0.98(0.98) | 397.32 | 190.00 | 207.32 | 89.84 |
| | 0.98(0.98) | 486.13 | 294.00 | 192.13 | 83.26 |
| 1919 | | | | | |
| 1920 | 0.98(0.98) | 421.97 | 195.00 | 226.97 | 98.35 |
| 1921 | 0.98(0.98) | 375.24 | 220.00 | 155.24 | 67.27 |
| 1922 | 0.98(0.98) | 544.53 | 340.00 | 204.53 | 88.63 |
| | | | | | |
| 1925 | 0.98(0.98) | 421.62 | 190.00 | 231.62 | 100.37 |
| 1926 | 0.98(0.98) | 368.45 | 200.00 | 168.45 | 72.99 |
| 1927 | 0.98(0.98) | 368.45 | 200.00 | 168.45 | 72.99 |
| 1928 | 0.98(0.98) | 389.43 | 200.00 | 189.43 | 82.09 |
| | 0.98(0.98) | 567.99 | 315.00 | | 109.63 |
| 1930 | | | | 252.99 | |
| 1931 | 0.98(0.98) | 372.73 | 220.00 | 152.73 | 66.19 |
| 1932 | 0.98(0.98) | 490.01 | 370.00 | 120.01 | 52.00 |
| | | | | | |

| 1933 | 0.98(0.98) | 371.01 | 210.00 | 161.01 | 69.77 |
|------|------------|--------|--------|--------|--------|
| 1934 | 0.98(0.98) | 549.78 | 310.00 | 239.78 | 103.90 |
| 1935 | 0.98(0.98) | | | | |
| | | | 310.00 | 219.42 | 95.08 |
| 1937 | 0.98(0.98) | 509.41 | 340.00 | 169.41 | 73.41 |
| 1938 | 0.98(0.98) | 514.40 | 300.00 | 214.40 | 92.91 |
| 1939 | 0.98(0.98) | | 360.00 | 128.69 | 55.77 |
| | | | | | |
| 1940 | 0.98(0.98) | | 310.00 | 183.25 | 79.41 |
| 1942 | 0.98(0.98) | 669.73 | 360.00 | 309.73 | 134.22 |
| 1943 | 0.98(0.98) | 453 74 | 270.00 | 183.74 | 79.62 |
| | | | | | |
| 1945 | 0.98(0.98) | | 200.00 | 153.94 | 66.71 |
| 1946 | 0.98(0.98) | 368.45 | 200.00 | 168.45 | 72.99 |
| 1948 | 0.98(0.98) | 390.63 | 220.00 | 170.63 | 73.94 |
| 1949 | 0.98(0.98) | | 280.00 | 291.77 | 126.43 |
| | | | | | |
| 1950 | 0.98(0.98) | | 230.00 | 160.49 | 69.55 |
| 1951 | 0.98(0.98) | 390.84 | 190.00 | 200.84 | 87.03 |
| 1952 | 0.98(0.98) | 353.40 | 185.00 | 168.40 | 72.97 |
| 1953 | 0.98(0.98) | 568 89 | 310.00 | 258.89 | 112.19 |
| | | | | | |
| 1955 | 0.98(0.98) | | 310.00 | 257.26 | 111.48 |
| 1957 | 0.98(0.98) | 497.44 | 300.00 | 197.44 | 85.56 |
| 1958 | 0.98(0.98) | 397.66 | 210.00 | 187.66 | 81.32 |
| 1959 | 0.98(0.98) | | 290.00 | 197.83 | 85.73 |
| | | | | | |
| 1960 | 0.98(0.98) | | 300.00 | 123.68 | 53.59 |
| 1961 | 0.98(0.98) | 353.32 | 260.00 | 93.32 | 40.44 |
| 1963 | 0.98(0.98) | 360.19 | 246.00 | 114.19 | 49.48 |
| 1964 | 0.98(0.98) | 473 83 | 230.00 | 243.83 | 105.66 |
| | | | | | |
| 1965 | 0.98(0.98) | | 300.00 | 198.98 | 86.22 |
| 1966 | 0.98(0.98) | 506.17 | 340.00 | 166.17 | 72.01 |
| 1967 | 0.98(0.98) | 569.42 | 300.00 | 269.42 | 116.75 |
| 1968 | 0.98(0.98) | 580.75 | 390.00 | 190.75 | 82.66 |
| 1969 | 0.98(0.98) | | 210.00 | 158.65 | 68.75 |
| | | | | | |
| 1970 | 0.98(0.98) | | 330.00 | 245.99 | 106.60 |
| 1971 | 0.98(0.98) | 480.89 | 340.00 | 140.89 | 61.05 |
| 1972 | 0.98(0.98) | 394.53 | 190.00 | 204.53 | 88.63 |
| 1973 | 0.98(0.98) | | 340.00 | 169.12 | 73.29 |
| | | | | | |
| 1974 | 0.98(0.98) | | 200.00 | 173.48 | 75.17 |
| 1975 | 0.98(0.98) | 443.53 | 220.00 | 223.53 | 96.86 |
| 1976 | 0.98(0.98) | 519.01 | 290.00 | 229.01 | 99.24 |
| 1977 | 0.98(0.98) | | 230.00 | 130.02 | 56.34 |
| | | | | | |
| 1978 | 0.98(0.98) | | 210.00 | 188.37 | 81.63 |
| 1979 | 0.98(0.98) | 535.16 | 330.00 | 205.16 | 88.90 |
| 1980 | 0.98(0.98) | 491.79 | 325.00 | 166.79 | 72.27 |
| 1981 | 0.98(0.98) | 581.38 | 400.00 | 181.38 | 78.60 |
| 1982 | 0.98(0.98) | | 212.00 | 229.65 | 99.51 |
| | | | | | |
| 1984 | 0.98(0.98) | | 260.00 | 192.35 | 83.35 |
| 1985 | 0.98(0.98) | 467.74 | 240.00 | 227.74 | 98.69 |
| 1986 | 0.98(0.98) | 510.73 | 340.00 | 170.73 | 73.98 |
| 1987 | 0.98(0.98) | 510 75 | 340.00 | 170.75 | 73.99 |
| | | | | | |
| 1989 | 0.98(0.98) | | 190.00 | 181.97 | 78.86 |
| 1990 | 0.98(0.98) | | 290.00 | 87.88 | 38.08 |
| 1991 | 0.98(0.98) | 394.89 | 185.00 | 209.89 | 90.95 |
| 1992 | 0.98(0.98) | 541.82 | 310.00 | 231.82 | 100.46 |
| 1994 | 0.98(0.98) | | 290.00 | 94.20 | 40.82 |
| | | | | | |
| 1995 | 0.98(0.98) | 374.60 | 200.00 | 174.60 | 75.66 |
| 1996 | 0.98(0.98) | 614.52 | 320.00 | 294.52 | 127.63 |
| 1999 | 0.98(0.98) | 368.48 | 200.00 | 168.48 | 73.01 |
| 2000 | 0.98(0.98) | | 200.00 | 168.47 | 73.01 |
| | | | | | |
| 2001 | 0.98(0.98) | | 320.00 | 307.25 | 133.14 |
| 2002 | 0.98(0.98) | 397.52 | 200.00 | 197.52 | 85.59 |
| 2003 | 0.98(0.98) | 509.52 | 290.00 | 219.52 | 95.13 |
| 2004 | 0.98(0.98) | | 200.00 | 263.12 | 114.02 |
| | | | | | |
| 2006 | 0.98(0.98) | 509.11 | 330.00 | 179.11 | 77.61 |
| 2007 | 0.98(0.98) | 449.25 | 210.00 | 239.25 | 103.68 |
| 2008 | 0.98(0.98) | 631.58 | 330.00 | 301.58 | 130.68 |
| 2009 | 0.98(0.98) | | 355.00 | 227.02 | 98.37 |
| | | | | | |
| 2010 | 0.98(0.98) | | 270.00 | 203.71 | 88.27 |
| 2011 | 0.98(0.98) | | 220.00 | 360.06 | 156.03 |
| 2013 | 0.98(0.98) | 409.36 | 210.00 | 199.36 | 86.39 |
| 2014 | 0.98(0.98) | 372.35 | 200.00 | 172.35 | 74.68 |
| | 0.98(0.98) | | 280.00 | 259.39 | 112.40 |
| 2015 | | | | | |
| 2016 | 0.98(0.98) | | 448.00 | 199.65 | 86.51 |
| 2017 | 0.98(0.98) | 664.71 | 380.00 | 284.71 | 123.37 |
| | | | | | |

| 2019 | 0.98(0.98) | 388.84 | 230.00 | 158.84 | 68.83 |
|----------------------|------------|------------------|--------|--------|--------|
| | | | | | |
| 2021 | 0.98(0.98) | | 250.00 | 123.77 | 53.63 |
| 2023 | 0.98(0.98) | 358.11 | 185.00 | 173.11 | 75.01 |
| 2024 | 0.98(0.98) | 472 54 | 265.00 | 207.54 | 89.93 |
| | | | | | |
| 2025 | 0.98(0.98) | 624.74 | 540.00 | 84.74 | 36.72 |
| 2028 | 0.98(0.98) | 567.99 | 315.00 | 252.99 | 109.63 |
| | | | | | |
| 2029 | 0.98(0.98) | | 410.00 | 253.45 | 109.83 |
| 2030 | 0.98(0.98) | 376.52 | 250.00 | 126.52 | 54.82 |
| | | | | | |
| 2031 | 0.98(0.98) | | 330.00 | 237.29 | 102.82 |
| 2032 | 0.98(0.98) | 387.81 | 190.00 | 197.81 | 85.72 |
| 2033 | 0.98(0.98) | 524.94 | 190.00 | 334.94 | 145.14 |
| | | | | | |
| 2035 | 0.98(0.98) | 397.50 | 190.00 | 207.50 | 89.92 |
| 2037 | 0.98(0.98) | 465.78 | 220.00 | 245.78 | 106.51 |
| | | | | 221.68 | |
| 2038 | 0.98(0.98) | 421.68 | 200.00 | | 96.06 |
| 2039 | 0.98(0.98) | 360.79 | 250.00 | 110.79 | 48.01 |
| 2040 | 0.98(0.98) | 627.13 | 470.00 | 157.13 | 68.09 |
| | | | | | |
| 2041 | 0.98(0.98) | 369.18 | 215.00 | 154.18 | 66.81 |
| 2042 | 0.98(0.98) | 391.24 | 230.00 | 161.24 | 69.87 |
| 2043 | 0.98(0.98) | | 448.00 | 199.26 | 86.35 |
| | | | | | |
| 2044 | 0.98(0.98) | 364.71 | 230.00 | 134.71 | 58.38 |
| 2045 | 0.98(0.98) | 360.72 | 240.00 | 120.72 | 52.31 |
| | | 568.52 | 300.00 | | |
| 2046 | 0.98(0.98) | | | 268.52 | 116.36 |
| 2048 | 0.98(0.98) | 553.68 | 280.00 | 273.68 | 118.60 |
| 2051 | 0.98(0.98) | 355.92 | 270.00 | 85.92 | 37.23 |
| | • | | | | |
| 2052 | 0.98(0.98) | 505.37 | 310.00 | 195.37 | 84.66 |
| 2055 | 0.98(0.98) | 575.45 | 350.00 | 225.45 | 97.69 |
| | | | | | |
| 2056 | 0.98(0.98) | | 290.00 | 216.00 | 93.60 |
| 2057 | 0.98(0.98) | 505.95 | 280.00 | 225.95 | 97.91 |
| 2058 | 0.98(0.98) | 505.95 | 270.00 | 235.95 | 102.24 |
| | | | | | |
| 2059 | 0.98(0.98) | 397.71 | 185.00 | 212.71 | 92.17 |
| 2060 | 0.98(0.98) | 397.42 | 210.00 | 187.42 | 81.22 |
| | 0.98(0.98) | | 360.00 | 309.73 | 134.22 |
| 2061 | | | | | |
| 2062 | 0.98(0.98) | 510.18 | 360.00 | 150.18 | 65.08 |
| 2063 | 0.98(0.98) | 545.93 | 340.00 | 205.93 | 89.24 |
| | • | | | | |
| 2064 | 0.98(0.98) | | 200.00 | 197.67 | 85.66 |
| 2065 | 0.98(0.98) | 472.51 | 190.00 | 282.51 | 122.42 |
| 2066 | 0.98(0.98) | 373.77 | 200.00 | 173.77 | 75.30 |
| | | | | | |
| 2067 | 0.98(0.98) | | 470.00 | 157.13 | 68.09 |
| 2068 | 0.98(0.98) | 359.17 | 290.00 | 69.17 | 29.97 |
| 2069 | 0.98(0.98) | | 210.00 | 262.52 | 113.76 |
| | | | | | |
| 2070 | 0.98(0.98) | 592.54 | 310.00 | 282.54 | 122.43 |
| 2071 | 0.98(0.98) | 356.39 | 185.00 | 171.39 | 74.27 |
| | 0.98(0.98) | 510.97 | 370.00 | 140.97 | 61.09 |
| 2072 | | | | | |
| 2073 | 0.98(0.98) | 353.64 | 185.00 | 168.64 | 73.08 |
| 2075 | 0.98(0.98) | 553.77 | 300.00 | 253.77 | 109.97 |
| | | | | | |
| 2077 | 0.98(0.98) | 360.27 | 187.00 | 173.27 | 75.08 |
| 2078 | 0.98(0.98) | 571.11 | 310.00 | 261.11 | 113.15 |
| 2079 | 0.98(0.98) | 530.85 | 290.00 | 240.85 | 104.37 |
| | | | | | |
| 2080 | 0.98(0.98) | 397.82 | 185.00 | 212.82 | 92.22 |
| 2081 | 0.98(0.98) | 424.26 | 280.00 | 144.26 | 62.51 |
| 2082 | 0.98(0.98) | 354.33 | 185.00 | 169.33 | 73.38 |
| | | | | | |
| 2083 | 0.98(0.98) | 397.60 | 185.00 | 212.60 | 92.13 |
| 2084 | 0.98(0.98) | 384.24 | 270.00 | 114.24 | 49.50 |
| 2086 | 0.98(0.98) | 398.10 | 215.00 | 183.10 | 79.34 |
| | | | | | |
| 2088 | 0.98(0.98) | 387.08 | 190.00 | 197.08 | 85.40 |
| 2089 | 0.98(0.98) | 473.95 | 230.00 | 243.95 | 105.71 |
| 2090 | 0.98(0.98) | 472.89 | 250.00 | 222.89 | 96.58 |
| | | | | | |
| 2091 | 0.98(0.98) | 471.82 | 214.00 | 257.82 | 111.72 |
| 2093 | 0.98(0.98) | 396.30 | 200.00 | 196.30 | 85.06 |
| | 0.98(0.98) | 562.35 | 310.00 | 252.35 | 109.35 |
| 2094 | | | | | |
| 2096 | 0.98(0.98) | 373.38 | 230.00 | 143.38 | 62.13 |
| 2097 | 0.98(0.98) | 349.24 | 260.00 | 89.24 | 38.67 |
| | | | | | |
| 2098 | 0.98(0.98) | 374.78 | 220.00 | 154.78 | 67.07 |
| 2099 | 0.98(0.98) | 523.13 | 190.00 | 333.13 | 144.36 |
| 2100 | 0.98(0.98) | 395.14 | 190.00 | 205.14 | 88.90 |
| | | | | | |
| 2101 | 0.98(0.98) | 532.08 | 320.00 | 212.08 | 91.90 |
| 2103 | 0.98(0.98) | 359.76 | 230.00 | 129.76 | 56.23 |
| 2104 | | | 190.00 | 183.99 | 79.73 |
| | | | | | |
| | 0.98(0.98) | 373.99 | | | |
| 2107 | 0.98(0.98) | 368.84 | 220.00 | 148.84 | 64.50 |
| | 0.98(0.98) | 368.84 | 220.00 | 148.84 | 64.50 |
| 2107
2108
2109 | | 368.84
422.63 | | | |

| 2110 | 0.98(0.98) | | 280.00 | 194.97 | 84.49 |
|------|------------|--------|--------|--------|--------|
| 2111 | 0.98(0.98) | 390.69 | 190.00 | 200.69 | 86.97 |
| 2112 | 0.98(0.98) | 628.73 | 315.00 | 313.73 | 135.95 |
| 2113 | 0.98(0.98) | | 190.00 | 193.95 | 84.05 |
| | 0.98(0.98) | | | | |
| 2115 | | | 340.00 | 134.62 | 58.33 |
| 2116 | 0.98(0.98) | | 180.00 | 240.91 | 104.40 |
| 2117 | 0.98(0.98) | 368.96 | 240.00 | 128.96 | 55.88 |
| 2118 | 0.98(0.98) | 507.81 | 340.00 | 167.81 | 72.72 |
| 2120 | 0.98(0.98) | | 320.00 | 89.11 | 38.61 |
| | | | | | |
| 2121 | 0.98(0.98) | | 300.00 | 235.03 | 101.85 |
| 2123 | 0.98(0.98) | | 420.00 | 160.52 | 69.56 |
| 2124 | 0.98(0.98) | 389.43 | 210.00 | 179.43 | 77.75 |
| 2126 | 0.98(0.98) | 389.27 | 230.00 | 159.27 | 69.02 |
| 2127 | 0.98(0.98) | 453 55 | 180.00 | 273.55 | 118.54 |
| | 0.98(0.98) | | | | 87.06 |
| 2128 | | | 190.00 | 200.90 | |
| 2129 | 0.98(0.98) | | 185.00 | 171.81 | 74.45 |
| 2131 | 0.98(0.98) | 577.01 | 400.00 | 177.01 | 76.70 |
| 2133 | 0.98(0.98) | 350.29 | 200.00 | 150.29 | 65.12 |
| 2135 | 0.98(0.98) | 422.50 | 200.00 | 222.50 | 96.42 |
| 2138 | 0.98(0.98) | | 240.00 | 266.08 | 115.30 |
| | | | | | |
| 2139 | 0.98(0.98) | | 180.00 | 240.92 | 104.40 |
| 2140 | 0.98(0.98) | 368.91 | 240.00 | 128.91 | 55.86 |
| 2141 | 0.98(0.98) | 619.50 | 270.00 | 349.50 | 151.45 |
| 2142 | 0.98(0.98) | 399.13 | 220.00 | 179.13 | 77.62 |
| 2143 | 0.98(0.98) | | 200.00 | 208.88 | 90.51 |
| | 0.98(0.98) | | | 233.48 | |
| 2144 | | | 190.00 | | 101.17 |
| 2145 | 0.98(0.98) | | 230.00 | 346.31 | 150.07 |
| 2146 | 0.98(0.98) | 493.46 | 320.00 | 173.46 | 75.17 |
| 2147 | 0.98(0.98) | 626.89 | 330.00 | 296.89 | 128.65 |
| 2148 | 0.98(0.98) | | 190.00 | 175.40 | 76.00 |
| 2152 | 0.98(0.98) | | 320.00 | 248.83 | 107.83 |
| | | | | | |
| 2153 | 0.98(0.98) | | 185.00 | 172.10 | 74.58 |
| 2154 | 0.98(0.98) | | 300.00 | 241.92 | 104.83 |
| 2155 | 0.98(0.98) | 360.00 | 260.00 | 100.00 | 43.34 |
| 2157 | 0.98(0.98) | 509.36 | 280.00 | 229.36 | 99.39 |
| 2158 | 0.98(0.98) | 570.64 | 300.00 | 270.64 | 117.28 |
| 2160 | 0.98(0.98) | | 200.00 | 183.98 | 79.73 |
| | | | | | |
| 2161 | 0.98(0.98) | | 185.00 | 210.77 | 91.34 |
| 2164 | 0.98(0.98) | | 190.00 | 178.99 | 77.56 |
| 2165 | 0.98(0.98) | 379.50 | 190.00 | 189.50 | 82.12 |
| 2166 | 0.98(0.98) | 445.44 | 280.00 | 165.44 | 71.69 |
| 2167 | 0.98(0.98) | 522.78 | 190.00 | 332.78 | 144.21 |
| 2168 | 0.98(0.98) | | 300.00 | 246.05 | 106.62 |
| | | | | | |
| 2169 | 0.98(0.98) | | 210.00 | 188.25 | 81.58 |
| 2170 | 0.98(0.98) | | 230.00 | 160.46 | 69.53 |
| 2172 | 0.98(0.98) | 368.66 | 210.00 | 158.66 | 68.75 |
| 2173 | 0.98(0.98) | 354.65 | 250.00 | 104.65 | 45.35 |
| 2174 | 0.98(0.98) | 364.27 | 190.00 | 174.27 | 75.52 |
| 2175 | 0.98(0.98) | | 190.00 | 174.58 | 75.65 |
| | 0.98(0.98) | | | | |
| 2176 | | 363.86 | 190.00 | 173.86 | 75.34 |
| 2177 | 0.98(0.98) | | 190.00 | 174.03 | 75.41 |
| 2178 | 0.98(0.98) | 364.60 | 190.00 | 174.60 | 75.66 |
| 2179 | 0.98(0.98) | 363.86 | 190.00 | 173.86 | 75.34 |
| 2180 | 0.98(0.98) | 363.91 | 190.00 | 173.91 | 75.36 |
| 2181 | 0.98(0.98) | | 200.00 | 265.36 | 114.99 |
| | | | | | |
| 2182 | 0.98(0.98) | | 200.00 | 264.79 | 114.74 |
| 2183 | 0.98(0.98) | 464.12 | 190.00 | 274.12 | 118.78 |
| 2185 | 0.98(0.98) | 576.06 | 450.00 | 126.06 | 54.63 |
| 2186 | 0.98(0.98) | 350.76 | 200.00 | 150.76 | 65.33 |
| 2188 | 0.98(0.98) | | 190.00 | 274.26 | 118.85 |
| | 0.98(0.98) | | 185.00 | | |
| 2189 | | | | 171.68 | 74.39 |
| 2190 | 0.98(0.98) | | 260.00 | 220.37 | 95.49 |
| 2191 | 0.98(0.98) | 387.75 | 190.00 | 197.75 | 85.69 |
| 2192 | 0.98(0.98) | 531.99 | 310.00 | 221.99 | 96.20 |
| 2195 | 0.98(0.98) | | 190.00 | 334.94 | 145.14 |
| 2196 | 0.98(0.98) | | 260.00 | 123.24 | 53.41 |
| | | | | | |
| 2197 | 0.98(0.98) | | 190.00 | 205.91 | 89.23 |
| 2198 | 0.98(0.98) | | 190.00 | 181.20 | 78.52 |
| 2199 | 0.98(0.98) | 371.20 | 190.00 | 181.20 | 78.52 |
| 2200 | 0.98(0.98) | 571.03 | 320.00 | 251.03 | 108.78 |
| 2202 | 0.98(0.98) | | 240.00 | 128.96 | 55.88 |
| | | | | | |

| 2203 | 0.98(0.98) | 671.52 | 400.00 | 271.52 | 117.66 |
|------|------------|--------|--------|--------|--------|
| 2204 | 0.98(0.98) | 369.19 | 210.00 | 159.19 | 68.98 |
| | | | | | |
| 2205 | 0.98(0.98) | | 220.00 | 245.60 | 106.43 |
| 2206 | 0.98(0.98) | 464.21 | 190.00 | 274.21 | 118.82 |
| 2207 | 0.98(0.98) | 386.22 | 200.00 | 186.22 | 80.70 |
| 2208 | 0.98(0.98) | | | | |
| | | | 230.00 | 145.15 | 62.90 |
| 2209 | 0.98(0.98) | 473.34 | 400.00 | 73.34 | 31.78 |
| 2210 | 0.98(0.98) | 568.21 | 280.00 | 288.21 | 124.89 |
| 2212 | 0.98(0.98) | | 260.00 | | |
| | | | | 248.31 | 107.60 |
| 2213 | 0.98(0.98) | 349.40 | 260.00 | 89.40 | 38.74 |
| 2214 | 0.98(0.98) | 575.19 | 230.00 | 345.19 | 149.58 |
| 2215 | 0.98(0.98) | | 230.00 | 243.34 | 105.45 |
| | | | | | |
| 2217 | 0.98(0.98) | 505.84 | 310.00 | 195.84 | 84.86 |
| 2219 | 0.98(0.98) | 483.50 | 351.00 | 132.50 | 57.42 |
| 2220 | 0.98(0.98) | 573 05 | 340.00 | 233.05 | 100.99 |
| | | | | | |
| 2221 | 0.98(0.98) | | 185.00 | 212.62 | 92.14 |
| 2222 | 0.98(0.98) | 498.07 | 290.00 | 208.07 | 90.16 |
| 2223 | 0.98(0.98) | 506.04 | 325.00 | 181.04 | 78.45 |
| 2224 | 0.98(0.98) | | 300.00 | | |
| | | | | 231.89 | 100.49 |
| 2227 | 0.98(0.98) | 405.22 | 210.00 | 195.22 | 84.60 |
| 2228 | 0.98(0.98) | 477.84 | 275.00 | 202.84 | 87.90 |
| 2229 | 0.98(0.98) | 371 73 | 345.00 | 26.73 | 11.58 |
| | | | | | |
| 2230 | 0.98(0.98) | | 270.00 | 183.75 | 79.62 |
| 2231 | 0.98(0.98) | 389.91 | 190.00 | 199.91 | 86.63 |
| 2232 | 0.98(0.98) | 507.04 | 330.00 | 177.04 | 76.72 |
| | | | 210.00 | | |
| 2233 | 0.98(0.98) | | | 188.53 | 81.70 |
| 2234 | 0.98(0.98) | 508.86 | 390.00 | 118.86 | 51.51 |
| 2235 | 0.98(0.98) | 379.32 | 190.00 | 189.32 | 82.04 |
| 2236 | 0.98(0.98) | 472 68 | 248.00 | 224.68 | 97.36 |
| | | | | | |
| 2237 | 0.98(0.98) | | 230.00 | 138.35 | 59.95 |
| 2238 | 0.98(0.98) | 445.74 | 220.00 | 225.74 | 97.82 |
| 2239 | 0.98(0.98) | 397.46 | 185.00 | 212.46 | 92.06 |
| 2240 | 0.98(0.98) | 375.77 | 185.00 | 190.77 | 82.67 |
| | 0.98(0.98) | | 185.00 | | |
| 2241 | | | | 168.38 | 72.96 |
| 2242 | 0.98(0.98) | | 310.00 | 235.32 | 101.97 |
| 2244 | 0.98(0.98) | 506.14 | 350.00 | 156.14 | 67.66 |
| 2245 | 0.98(0.98) | 519.85 | 300.00 | 219.85 | 95.27 |
| 2246 | 0.98(0.98) | | 200.00 | 264.89 | 114.79 |
| | | | | | |
| 2247 | 0.98(0.98) | | 300.00 | 181.98 | 78.86 |
| 2248 | 0.98(0.98) | 472.56 | 220.00 | 252.56 | 109.44 |
| 2249 | 0.98(0.98) | 581.21 | 440.00 | 141.21 | 61.19 |
| 2250 | 0.98(0.98) | | 340.00 | 68.15 | 29.53 |
| | · | | | | |
| 2251 | 0.98(0.98) | | 270.00 | 353.55 | 153.20 |
| 2252 | 0.98(0.98) | 508.75 | 380.00 | 128.75 | 55.79 |
| 2253 | 0.98(0.98) | 485.24 | 300.00 | 185.24 | 80.27 |
| 2254 | 0.98(0.98) | 379.36 | 190.00 | 189.36 | 82.06 |
| 2255 | 0.98(0.98) | | 240.00 | 129.22 | 55.99 |
| | | | | | |
| 2256 | 0.98(0.98) | | 300.00 | 269.00 | 116.56 |
| 2258 | 0.98(0.98) | 664.01 | 380.00 | 284.01 | 123.07 |
| 2259 | 0.98(0.98) | 418.07 | 280.00 | 138.07 | 59.83 |
| 2260 | 0.98(0.98) | 397.47 | 210.00 | 187.47 | 81.24 |
| | | | | | |
| 2261 | 0.98(0.98) | | 200.00 | 243.93 | 105.70 |
| 2262 | 0.98(0.98) | 535.17 | 300.00 | 235.17 | 101.91 |
| 2264 | 0.98(0.98) | 390.43 | 240.00 | 150.43 | 65.19 |
| 2265 | 0.98(0.98) | 444.63 | 230.00 | 214.63 | 93.01 |
| | | | | | |
| 2267 | 0.98(0.98) | | 190.00 | 207.15 | 89.77 |
| 2268 | 0.98(0.98) | 420.91 | 180.00 | 240.91 | 104.39 |
| 2269 | 0.98(0.98) | 507.39 | 330.00 | 177.39 | 76.87 |
| 2270 | 0.98(0.98) | 632.89 | 310.00 | 322.89 | 139.92 |
| | | | | | |
| 2271 | 0.98(0.98) | | 190.00 | 181.31 | 78.57 |
| 2272 | 0.98(0.98) | 508.82 | 410.00 | 98.82 | 42.82 |
| 2273 | 0.98(0.98) | 398.26 | 210.00 | 188.26 | 81.58 |
| 2274 | 0.98(0.98) | 444.54 | 230.00 | 214.54 | 92.97 |
| | 0.98(0.98) | 506.66 | | | |
| 2276 | | | 320.00 | 186.66 | 80.89 |
| 2278 | 0.98(0.98) | 385.87 | 320.00 | 65.87 | 28.54 |
| 2279 | 0.98(0.98) | 375.31 | 240.00 | 135.31 | 58.63 |
| 2280 | 0.98(0.98) | | 180.00 | 241.01 | 104.44 |
| | 0.98(0.98) | | 225.00 | 238.14 | 103.20 |
| 2281 | | | | | |
| 2282 | 0.98(0.98) | | 180.00 | 240.99 | 104.43 |
| 2283 | 0.98(0.98) | 627.24 | 320.00 | 307.24 | 133.14 |
| 2284 | 0.98(0.98) | 355.32 | 250.00 | 105.32 | 45.64 |
| | | | | | |

| 2285 | 0.98(0.98) | 358.75 | 200.00 | 158.75 | 68.79 |
|------|------------|--------|--------|--------|--------|
| 2286 | 0.98(0.98) | 377.38 | 250.00 | 127.38 | 55.20 |
| | | | | | |
| 2287 | 0.98(0.98) | | 240.00 | 262.60 | 113.79 |
| 2288 | 0.98(0.98) | 568.03 | 260.00 | 308.03 | 133.48 |
| 2289 | 0.98(0.98) | 541.39 | 330.00 | 211.39 | 91.60 |
| 2290 | 0.98(0.98) | | 330.00 | 46.23 | 20.03 |
| | | | | | |
| 2292 | 0.98(0.98) | | 210.00 | 173.98 | 75.39 |
| 2293 | 0.98(0.98) | 398.32 | 200.00 | 198.32 | 85.94 |
| 2295 | 0.98(0.98) | 629.91 | 340.00 | 289.91 | 125.63 |
| | | | | | |
| 2296 | 0.98(0.98) | | 185.00 | 172.33 | 74.68 |
| 2299 | 0.98(0.98) | 398.14 | 210.00 | 188.14 | 81.53 |
| 2300 | 0.98(0.98) | 554.83 | 280.00 | 274.83 | 119.09 |
| 2301 | 0.98(0.98) | | 200.00 | 265.40 | |
| | | | | | 115.01 |
| 2302 | 0.98(0.98) | | 220.00 | 147.37 | 63.86 |
| 2303 | 0.98(0.98) | 353.48 | 185.00 | 168.48 | 73.01 |
| 2305 | 0.98(0.98) | 452.60 | 180.00 | 272.60 | 118.13 |
| 2306 | 0.98(0.98) | 420 48 | 180.00 | 240.48 | 104.21 |
| | | | | | |
| 2308 | 0.98(0.98) | | 200.00 | 197.93 | 85.77 |
| 2309 | 0.98(0.98) | 369.15 | 215.00 | 154.15 | 66.80 |
| 2311 | 0.98(0.98) | 389.86 | 210.00 | 179.86 | 77.94 |
| 2313 | 0.98(0.98) | 468.03 | 220.00 | 248.03 | 107.48 |
| | | | | | |
| 2314 | 0.98(0.98) | | 330.00 | 232.04 | 100.55 |
| 2315 | 0.98(0.98) | 421.07 | 180.00 | 241.07 | 104.46 |
| 2316 | 0.98(0.98) | 566.86 | 370.00 | 196.86 | 85.30 |
| 2317 | 0.98(0.98) | | 260.00 | 234.35 | 101.55 |
| | | | | | |
| 2319 | 0.98(0.98) | | 240.00 | 114.69 | 49.70 |
| 2320 | 0.98(0.98) | 627.24 | 320.00 | 307.24 | 133.14 |
| 2322 | 0.98(0.98) | 561.11 | 320.00 | 241.11 | 104.48 |
| 2324 | 0.98(0.98) | | 340.00 | 134.62 | 58.34 |
| | | | | | |
| 2325 | 0.98(0.98) | | 340.00 | 227.79 | 98.71 |
| 2327 | 0.98(0.98) | | 200.00 | 151.38 | 65.60 |
| 2328 | 0.98(0.98) | 494.40 | 260.00 | 234.40 | 101.57 |
| 2329 | 0.98(0.98) | 397.90 | 231.00 | 166.90 | 72.32 |
| | 0.98(0.98) | | | | |
| 2330 | | | 180.00 | 239.68 | 103.86 |
| 2331 | 0.98(0.98) | 381.22 | 250.00 | 131.22 | 56.86 |
| 2332 | 0.98(0.98) | 522.58 | 330.00 | 192.58 | 83.45 |
| 2333 | 0.98(0.98) | 524.71 | 190.00 | 334.71 | 145.04 |
| | 0.98(0.98) | | 300.00 | 230.26 | |
| 2334 | | | | | 99.78 |
| 2336 | 0.98(0.98) | | 310.00 | 221.24 | 95.87 |
| 2337 | 0.98(0.98) | 636.80 | 460.00 | 176.80 | 76.61 |
| 2338 | 0.98(0.98) | 419.26 | 180.00 | 239.26 | 103.68 |
| 2339 | 0.98(0.98) | | 200.00 | 243.31 | 105.43 |
| | | | | | |
| 2340 | 0.98(0.98) | | 280.00 | 98.13 | 42.52 |
| 2341 | 0.98(0.98) | 506.61 | 340.00 | 166.61 | 72.20 |
| 2342 | 0.98(0.98) | 354.43 | 185.00 | 169.43 | 73.42 |
| 2343 | 0.98(0.98) | | 310.00 | 204.39 | 88.57 |
| | | | | | |
| 2344 | 0.98(0.98) | | 445.00 | 206.70 | 89.57 |
| 2345 | 0.98(0.98) | 507.06 | 325.00 | 182.06 | 78.89 |
| 2346 | 0.98(0.98) | 407.71 | 210.00 | 197.71 | 85.67 |
| 2347 | 0.98(0.98) | 396.70 | 185.00 | 211.70 | 91.74 |
| | 0.98(0.98) | 355.14 | | | |
| 2353 | | | 185.00 | 170.14 | 73.73 |
| 2354 | 0.98(0.98) | 358.71 | 210.00 | 148.71 | 64.44 |
| 2355 | 0.98(0.98) | 562.29 | 300.00 | 262.29 | 113.66 |
| 2356 | 0.98(0.98) | 508.77 | 360.00 | 148.77 | 64.47 |
| | | 527.94 | | | |
| 2357 | 0.98(0.98) | | 310.00 | 217.94 | 94.44 |
| 2359 | 0.98(0.98) | 408.79 | 200.00 | 208.79 | 90.47 |
| 2360 | 0.98(0.98) | 408.63 | 320.00 | 88.63 | 38.41 |
| 2362 | 0.98(0.98) | 472.36 | 280.00 | 192.36 | 83.36 |
| 2363 | 0.98(0.98) | 522.76 | 310.00 | 212.76 | 92.19 |
| | | | | | |
| 2365 | 0.98(0.98) | 364.69 | 230.00 | 134.69 | 58.37 |
| 2366 | 0.98(0.98) | 518.31 | 315.00 | 203.31 | 88.10 |
| 2367 | 0.98(0.98) | 374.60 | 190.00 | 184.60 | 79.99 |
| 2368 | 0.98(0.98) | 398.86 | 205.00 | 193.86 | 84.00 |
| | | | | | |
| 2370 | 0.98(0.98) | 357.17 | 185.00 | 172.17 | 74.61 |
| 2371 | 0.98(0.98) | 383.96 | 200.00 | 183.96 | 79.72 |
| 2372 | 0.98(0.98) | 494.28 | 250.00 | 244.28 | 105.86 |
| 2375 | 0.98(0.98) | 516.82 | 300.00 | 216.82 | 93.96 |
| | | | | | |
| 2377 | 0.98(0.98) | 374.65 | 230.00 | 144.65 | 62.68 |
| 2379 | 0.98(0.98) | 419.68 | 180.00 | 239.68 | 103.86 |
| 2381 | 0.98(0.98) | 584.51 | 360.00 | 224.51 | 97.29 |
| 2383 | 0.98(0.98) | 378.37 | 280.00 | 98.37 | 42.63 |
| | / | _ | | | |

| 2386 | 0.98(0.98) | 516.10 | 295.00 | 221.10 | 95.81 |
|------|---------------------------------------|------------------|------------------|------------------|-----------------|
| 2387 | 0.98(0.98) | 424.63 | 280.00 | 144.63 | 62.67 |
| 2388 | 0.98(0.98) | | | | |
| | | | 185.00 | 212.29 | 91.99 |
| 2389 | 0.98(0.98) | 465.65 | 230.00 | 235.65 | 102.11 |
| 2390 | 0.98(0.98) | 397.62 | 185.00 | 212.62 | 92.13 |
| 2391 | 0.98(0.98) | | 270.00 | 353.42 | 153.15 |
| | | | | | |
| 2393 | 0.98(0.98) | | 350.00 | 332.92 | 144.26 |
| 2395 | 0.98(0.98) | 561.04 | 320.00 | 241.04 | 104.45 |
| 2397 | 0.98(0.98) | 419 70 | 180.00 | 239.70 | 103.87 |
| | | | | | |
| 2398 | 0.98(0.98) | | 300.00 | 214.16 | 92.80 |
| 2399 | 0.98(0.98) | 507.40 | 345.00 | 162.40 | 70.3 7 |
| 2400 | 0.98(0.98) | 545.67 | 340.00 | 205.67 | 89.12 |
| | 0.98(0.98) | | | | |
| 2401 | | | 185.00 | 212.37 | 92.03 |
| 2402 | 0.98(0.98) | 531.16 | 270.00 | 261.16 | 113.17 |
| 2403 | 0.98(0.98) | 547.06 | 345.00 | 202.06 | 87.56 |
| 2405 | 0.98(0.98) | | 195.00 | 179.60 | 77.83 |
| | · · · · · · · · · · · · · · · · · · · | | | | |
| 2407 | 0.98(0.98) | | 190.00 | 202.03 | 87.55 |
| 2408 | 0.98(0.98) | 509.64 | 315.00 | 194.64 | 84.34 |
| 2410 | 0.98(0.98) | 394.94 | 185.00 | 209.94 | 90.97 |
| | | | | | |
| 2411 | 0.98(0.98) | | 270.00 | 214.93 | 93.14 |
| 2412 | 0.98(0.98) | 546.58 | 340.00 | 206.58 | 89.52 |
| 2413 | 0.98(0.98) | 449.40 | 210.00 | 239.40 | 103.74 |
| 2414 | 0.98(0.98) | | 360.00 | 150.06 | 65.03 |
| | | | | | |
| 2415 | 0.98(0.98) | | 212.00 | 142.60 | 61.79 |
| 2416 | 0.98(0.98) | 523.63 | 190.00 | 333.63 | 144.57 |
| 2417 | 0.98(0.98) | | 250.00 | 355.29 | 153.96 |
| | | | | | |
| 2420 | 0.98(0.98) | | 270.00 | 353.30 | 153.10 |
| 2425 | 0.98(0.98) | 393.59 | 190.00 | 203.59 | 88.22 |
| 2426 | 0.98(0.98) | 470.40 | 220.00 | 250.40 | 108.51 |
| | 0.98(0.98) | | 340.00 | | |
| 2427 | | | | 153.17 | 66.37 |
| 2428 | 0.98(0.98) | | 310.00 | 234.59 | 101.65 |
| 2430 | 0.98(0.98) | 371.48 | 210.00 | 161.48 | 69.98 |
| 2431 | 0.98(0.98) | 534.78 | 270.00 | 264.78 | 114.74 |
| 2432 | 0.98(0.98) | | 350.00 | 225.52 | 97.73 |
| | 0.98(0.98) | | | | |
| 2433 | · | | 215.00 | 154.21 | 66.82 |
| 2434 | 0.98(0.98) | | 230.00 | 143.51 | 62.19 |
| 2436 | 0.98(0.98) | 509.93 | 350.00 | 159.93 | 69.30 |
| 2437 | 0.98(0.98) | 647.69 | 340.00 | 307.69 | 133.33 |
| 2439 | 0.98(0.98) | | 190.00 | 274.11 | 118.78 |
| | | | | | |
| 2440 | 0.98(0.98) | | 190.00 | 275.36 | 119.32 |
| 2442 | 0.98(0.98) | 359.10 | 185.00 | 174.10 | 75.45 |
| 2443 | 0.98(0.98) | 508.65 | 370.00 | 138.65 | 60.08 |
| 2444 | 0.98(0.98) | | 310.00 | 196.43 | 85.12 |
| | | | | | |
| 2445 | 0.98(0.98) | | 270.00 | 353.49 | 153.18 |
| 2447 | 0.98(0.98) | 393.70 | 190.00 | 203.70 | 88.27 |
| 2448 | 0.98(0.98) | 379.41 | 190.00 | 189.41 | 82.08 |
| 2449 | 0.98(0.98) | 558.38 | 290.00 | 268.38 | 116.30 |
| | | | | | |
| 2450 | 0.98(0.98) | | 240.00 | 318.45 | 137.99 |
| 2452 | 0.98(0.98) | 421.46 | 190.00 | 231.46 | 100.30 |
| 2453 | 0.98(0.98) | 506.77 | 320.00 | 186.77 | 80.93 |
| 2454 | 0.98(0.98) | 424.22 | 280.00 | 144.22 | 62.50 |
| | 0.98(0.98) | | 290.00 | 251.79 | 109.11 |
| 2455 | | | | | |
| 2458 | 0.98(0.98) | 423.67 | 190.00 | 233.67 | 101.26 |
| 2459 | 0.98(0.98) | 505.91 | 330.00 | 175.91 | 76.23 |
| 2460 | 0.98(0.98) | 451.61 | 280.00 | 171.61 | 74.37 |
| | | | | | |
| 2463 | 0.98(0.98) | 464.36 | 200.00 | 264.36 | 114.56 |
| 2464 | 0.98(0.98) | 373.91 | 200.00 | 173.91 | 75.36 |
| 2466 | 0.98(0.98) | 397.15 | 190.00 | 207.15 | 89.77 |
| 2468 | 0.98(0.98) | 371.95 | 240.00 | 131.95 | 57.18 |
| | 0.98(0.98) | 384.21 | 210.00 | 174.21 | 75.49 |
| 2469 | | | | | |
| 2470 | 0.98(0.98) | | 260.00 | 194.41 | 84.24 |
| 2471 | 0.98(0.98) | 369.26 | 215.00 | 154.26 | 66.85 |
| 2472 | 0.98(0.98) | 528.01 | 300.00 | 228.01 | 98.80 |
| 2473 | 0.98(0.98) | 374.91 | 210.00 | 164.91 | 71.46 |
| | | | | | |
| 2476 | 0.98(0.98) | 587.46 | 310.00 | 277.46 | 120.23 |
| 2477 | 0.98(0.98) | 473.87 | 340.00 | 133.87 | 58.01 |
| 2479 | 0.98(0.98) | 409.32 | 300.00 | 109.32 | 47.37 |
| 2480 | 0.98(0.98) | | 540.00 | 84.98 | 36.82 |
| | | | 240.00 | 0 20 | J 4 |
| | | | 200 00 | 200 00 | 336 35 |
| 2481 | 0.98(0.98) | 558.08 | 290.00 | 268.08 | 116.17 |
| 2482 | 0.98(0.98)
0.98(0.98) | 558.08
358.73 | 290.00
210.00 | 268.08
148.73 | 116.17
64.45 |
| | 0.98(0.98) | 558.08 | | | |

| 2484 | 0.98(0.98) | 356.64 | 210.00 | 146.64 | 63.54 |
|-------|------------|--------|--------|--------|---------------|
| 2485 | 0.98(0.98) | 450.76 | 280.00 | 170.76 | 73.99 |
| 2490 | 0.98(0.98) | | 210.00 | 253.35 | 109.78 |
| | | | | | |
| 2491 | 0.98(0.98) | | 290.00 | 69.15 | 29.96 |
| 2493 | 0.98(0.98) | 399.53 | 190.00 | 209.53 | 90.80 |
| 2495 | 0.98(0.98) | 374.63 | 230.00 | 144.63 | 62.67 |
| | 0.98(0.98) | | | | |
| 2498 | | | 270.00 | 288.37 | 124.96 |
| 2499 | 0.98(0.98) | 408.45 | 320.00 | 88.45 | 38.33 |
| 2500 | 0.98(0.98) | 408.10 | 310.00 | 98.10 | 42.51 |
| 2501 | 0.98(0.98) | | 185.00 | 171.66 | 74.39 |
| | | | | | |
| 2502 | 0.98(0.98) | | 315.00 | 206.01 | 89.27 |
| 2503 | 0.98(0.98) | 365.00 | 190.00 | 175.00 | 75.83 |
| 2505 | 0.98(0.98) | 358.17 | 185.00 | 173.17 | 75.04 |
| | | | | | |
| 2506 | 0.98(0.98) | | 220.00 | 147.34 | 63.85 |
| 2507 | 0.98(0.98) | 367.33 | 220.00 | 147.33 | 63.84 |
| 2510 | 0.98(0.98) | 393.87 | 185.00 | 208.87 | 90.51 |
| 2511 | 0.98(0.98) | 373.75 | 200.00 | 173.75 | 75.29 |
| | | | | | |
| 2512 | 0.98(0.98) | | 190.00 | 178.53 | 77.36 |
| 2513 | 0.98(0.98) | 368.19 | 190.00 | 178.19 | 77.21 |
| 2514 | 0.98(0.98) | 367.48 | 200.00 | 167.48 | 72.57 |
| 2515 | 0.98(0.98) | 367.57 | 190.00 | 177.57 | 76.95 |
| | 0.98(0.98) | | | | |
| 2516 | | | 190.00 | 177.58 | 76.95 |
| 2517 | 0.98(0.98) | 465.59 | 210.00 | 255.59 | 110.76 |
| 2518 | 0.98(0.98) | 397.16 | 190.00 | 207.16 | 89.77 |
| 2519 | 0.98(0.98) | 351 72 | 200.00 | 151.72 | 65.75 |
| | | | | | |
| 2520 | 0.98(0.98) | | 340.00 | 205.71 | 89.14 |
| 2521 | 0.98(0.98) | 495.08 | 330.00 | 165.08 | 71.53 |
| 2522 | 0.98(0.98) | 511.16 | 300.00 | 211.16 | 91.50 |
| 2525 | 0.98(0.98) | | 290.00 | 240.88 | 104.38 |
| | | | | | |
| 2527 | 0.98(0.98) | | 330.00 | 237.70 | 103.00 |
| 2528 | 0.98(0.98) | 397.57 | 200.00 | 197.57 | 85.62 |
| 2529 | 0.98(0.98) | 509.51 | 360.00 | 149.51 | 64.79 |
| 2532 | 0.98(0.98) | 566 93 | 390.00 | 176.93 | 76.6 7 |
| | | | | | |
| 2533 | 0.98(0.98) | | 330.00 | 78.20 | 33.88 |
| 2534 | 0.98(0.98) | | 190.00 | 30.69 | 13.30 |
| 2535 | 0.98(0.98) | 356.69 | 185.00 | 171.69 | 74.40 |
| 2537 | 0.98(0.98) | 368.00 | 190.00 | 178.00 | 77,13 |
| | | | | | |
| 2538 | 0.98(0.98) | | 190.00 | 232.97 | 100.95 |
| 2539 | 0.98(0.98) | 624.98 | 540.00 | 84.98 | 36.83 |
| 2540 | 0.98(0.98) | 502.88 | 270.00 | 232.88 | 100.91 |
| 2541 | 0.98(0.98) | | 190.00 | 334.75 | 145.06 |
| | | | | | |
| 2542 | 0.98(0.98) | | 220.00 | 155.14 | 67.23 |
| 2543 | 0.98(0.98) | 375.12 | 220.00 | 155.12 | 67.22 |
| 2544 | 0.98(0.98) | 375.74 | 210.00 | 165.74 | 71.82 |
| 2545 | 0.98(0.98) | 554.22 | 250.00 | 304.22 | 131.83 |
| 2546 | 0.98(0.98) | | 370.00 | 119.30 | 51.70 |
| | | | | | |
| 2547 | 0.98(0.98) | | 220.00 | 155.27 | 67.29 |
| 2550 | 0.98(0.98) | 626.98 | 480.00 | 146.98 | 63.69 |
| 2551 | 0.98(0.98) | 452.58 | 180.00 | 272.58 | 118.12 |
| | | | | 269.39 | |
| 2552 | 0.98(0.98) | 469.39 | 200.00 | | 116.73 |
| 2553 | 0.98(0.98) | | 315.00 | 208.23 | 90.23 |
| 2554 | 0.98(0.98) | 670.07 | 400.00 | 270.07 | 117.03 |
| 2555 | 0.98(0.98) | 445.54 | 230.00 | 215.54 | 93.40 |
| 2557 | 0.98(0.98) | | 185.00 | 234.24 | 101.50 |
| | 0.98(0.98) | | | | |
| 2559 | | | 260.00 | 199.05 | 86.25 |
| 2560 | 0.98(0.98) | 350.36 | 260.00 | 90.36 | 39.15 |
| 2561 | 0.98(0.98) | 523.31 | 315.00 | 208.31 | 90.27 |
| 2562 | 0.98(0.98) | 397.41 | 210.00 | 187.41 | 81.21 |
| | 0.98(0.98) | | | | |
| 2563 | | 383.97 | 210.00 | 173.97 | 75.39 |
| 2564 | 0.98(0.98) | 379.86 | 190.00 | 189.86 | 82.27 |
| 2565 | 0.98(0.98) | 358.22 | 185.00 | 173.22 | 75.06 |
| 2566 | 0.98(0.98) | 384.24 | 210.00 | 174.24 | 75.50 |
| | 0.98(0.98) | 508.84 | 300.00 | 208.84 | 90.50 |
| 2567 | | | | | |
| 2568 | 0.98(0.98) | 350.51 | 224.00 | 126.51 | 54.82 |
| 2569 | 0.98(0.98) | 350.51 | 224.00 | 126.51 | 54.82 |
| 2570 | 0.98(0.98) | 350.59 | 260.00 | 90.59 | 39.26 |
| 2572 | 0.98(0.98) | 350.58 | 260.00 | 90.58 | 39.25 |
| | | | | | |
| 2573 | 0.98(0.98) | 350.57 | 260.00 | 90.57 | 39.25 |
| 2574 | 0.98(0.98) | 350.56 | 220.00 | 130.56 | 56.58 |
| 2575 | 0.98(0.98) | 350.56 | 220.00 | 130.56 | 56.57 |
| 2576 | 0.98(0.98) | 350.56 | 210.00 | 140.56 | 60.91 |
| 22, y | 0.50(0.50) | JJ4.J0 | 210.00 | 240.50 | 50.71 |

| 2577 | 0.98(0.98) | 350.55 | 195.00 | 155.55 | 67.41 |
|------|------------|--------|--------|--------|--------|
| 2578 | 0.98(0.98) | 477.46 | 270.00 | 207.46 | 89.90 |
| 2579 | 0.98(0.98) | 375.21 | 220.00 | 155.21 | 67.26 |
| | | | | | |
| 2580 | 0.98(0.98) | | 330.00 | 178.76 | 77.46 |
| 2581 | 0.98(0.98) | 516.81 | 300.00 | 216.81 | 93.95 |
| 2582 | 0.98(0.98) | 508.47 | 260.00 | 248.47 | 107.67 |
| | 0.98(0.98) | | | | |
| 2583 | | | 280.00 | 66.81 | 28.95 |
| 2584 | 0.98(0.98) | 373.78 | 250.00 | 123.78 | 53.64 |
| 2586 | 0.98(0.98) | 358.57 | 210.00 | 148.57 | 64.38 |
| 2587 | 0.98(0.98) | | 200.00 | 158.76 | 68.80 |
| | | | | | |
| 2588 | 0.98(0.98) | | 205.00 | 193.75 | 83.96 |
| 2589 | 0.98(0.98) | 445.45 | 220.00 | 225.45 | 97.70 |
| 2590 | 0.98(0.98) | 419.92 | 220.00 | 199.92 | 86.63 |
| | 0.98(0.98) | | | | |
| 2591 | | | 185.00 | 234.18 | 101.48 |
| 2592 | 0.98(0.98) | | 330.00 | 211.42 | 91.61 |
| 2593 | 0.98(0.98) | 475.24 | 290.00 | 185.24 | 80.27 |
| 2595 | 0.98(0.98) | 470.91 | 220.00 | 250.91 | 108.73 |
| 2597 | 0.98(0.98) | | 200.00 | 174.32 | 75.54 |
| | | | | | |
| 2598 | 0.98(0.98) | | 320.00 | 88.12 | 38.18 |
| 2599 | 0.98(0.98) | 399.37 | 190.00 | 209.37 | 90.73 |
| 2600 | 0.98(0.98) | 379.53 | 190.00 | 189.53 | 82.13 |
| 2601 | 0.98(0.98) | | 260.00 | 248.27 | 107.59 |
| | | | | | |
| 2602 | 0.98(0.98) | | 290.00 | 203.78 | 88.30 |
| 2605 | 0.98(0.98) | 346.92 | 280.00 | 66.92 | 29.00 |
| 2606 | 0.98(0.98) | 473.23 | 290.00 | 183.23 | 79.40 |
| 2608 | 0.98(0.98) | | 190.00 | 208.97 | 90.55 |
| | | | | | |
| 2609 | 0.98(0.98) | | 185.00 | 209.89 | 90.95 |
| 2610 | 0.98(0.98) | 395.91 | 190.00 | 205.91 | 89.23 |
| 2613 | 0.98(0.98) | 371.57 | 200.00 | 171.57 | 74.35 |
| 2617 | 0.98(0.98) | | 210.00 | 255.59 | 110.76 |
| | | | | | |
| 2618 | 0.98(0.98) | | 210.00 | 161.44 | 69.96 |
| 2620 | 0.98(0.98) | | 360.00 | 146.45 | 63.46 |
| 2621 | 0.98(0.98) | 373.41 | 240.00 | 133.41 | 57.81 |
| 2623 | 0.98(0.98) | 569.97 | 290.00 | 279.97 | 121.32 |
| | 0.98(0.98) | | | | |
| 2625 | | | 190.00 | 183.92 | 79.70 |
| 2626 | 0.98(0.98) | | 400.00 | 73.34 | 31.78 |
| 2627 | 0.98(0.98) | 633.46 | 310.00 | 323.46 | 140.17 |
| 2628 | 0.98(0.98) | 510.53 | 385.00 | 125.53 | 54.40 |
| 2630 | 0.98(0.98) | | 210.00 | 161.43 | 69.95 |
| | | | | | |
| 2632 | 0.98(0.98) | | 200.00 | 150.55 | 65.24 |
| 2633 | 0.98(0.98) | 507.16 | 335.00 | 172.16 | 74.60 |
| 2634 | 0.98(0.98) | 516.62 | 340.00 | 176.62 | 76.53 |
| 2635 | 0.98(0.98) | | 300.00 | 216.57 | 93.85 |
| | | | | | |
| 2636 | 0.98(0.98) | | 315.00 | 203.31 | 88.10 |
| 2639 | 0.98(0.98) | 480.63 | 280.00 | 200.63 | 86.94 |
| 2640 | 0.98(0.98) | 397.73 | 185.00 | 212.73 | 92.18 |
| 2641 | 0.98(0.98) | | 300.00 | 211.32 | 91.57 |
| | | | | | |
| 2643 | 0.98(0.98) | | 210.00 | 200.17 | 86.74 |
| 2644 | 0.98(0.98) | 560.68 | 300.00 | 260.68 | 112.96 |
| 2646 | 0.98(0.98) | 631.62 | 460.00 | 171.62 | 74.37 |
| 2647 | 0.98(0.98) | 570.33 | 330.00 | 240.33 | 104.14 |
| 2649 | 0.98(0.98) | | 197.00 | 237.78 | 103.04 |
| | | | | | |
| 2651 | 0.98(0.98) | 398.55 | 210.00 | 188.55 | 81.71 |
| 2652 | 0.98(0.98) | 397.68 | 220.00 | 177.68 | 76.99 |
| 2654 | 0.98(0.98) | 394.23 | 185.00 | 209.23 | 90.66 |
| 2659 | 0.98(0.98) | | 340.00 | 166.17 | 72.01 |
| | | | | | |
| 2660 | 0.98(0.98) | | 270.00 | 215.01 | 93.17 |
| 2661 | 0.98(0.98) | 519.91 | 315.00 | 204.91 | 88.79 |
| 2662 | 0.98(0.98) | 520.19 | 280.00 | 240.19 | 104.08 |
| 2663 | 0.98(0.98) | 375.77 | 190.00 | 185.77 | 80.50 |
| | 0.98(0.98) | 568.18 | | | 105.38 |
| 2665 | | | 325.00 | 243.18 | |
| 2666 | 0.98(0.98) | 367.43 | 200.00 | 167.43 | 72.55 |
| 2667 | 0.98(0.98) | 354.62 | 230.00 | 124.62 | 54.00 |
| 2669 | 0.98(0.98) | 379.91 | 280.00 | 99.91 | 43.29 |
| | 0.98(0.98) | 509.33 | 280.00 | 229.33 | 99.38 |
| 2671 | | | | | |
| 2672 | 0.98(0.98) | | 350.00 | 156.41 | 67.78 |
| 2673 | 0.98(0.98) | 369.22 | 215.00 | 154.22 | 66.83 |
| 2674 | 0.98(0.98) | 420.82 | 190.00 | 230.82 | 100.02 |
| 2675 | 0.98(0.98) | 579.98 | 440.00 | 139.98 | 60.66 |
| | | | | | |
| 2677 | 0.98(0.98) | 371.96 | 190.00 | 181.96 | 78.85 |
| 2678 | 0.98(0.98) | 383.25 | 260.00 | 123.25 | 53.41 |
| | | | | | |

| 2679 | 0.98(0.98) | 503.93 | 325.00 | 178.93 | 77.54 |
|------|------------|--------|--------|--------|--------|
| 2680 | 0.98(0.98) | 480.43 | 340.00 | 140.43 | 60.86 |
| 2682 | 0.98(0.98) | 371.90 | 190.00 | 181.90 | 78.82 |
| 2683 | 0.98(0.98) | | 185.00 | 171.64 | 74.38 |
| | | | | | |
| 2684 | 0.98(0.98) | | 210.00 | 158.70 | 68.77 |
| 2685 | 0.98(0.98) | | 221.00 | 154.77 | 67.07 |
| 2686 | 0.98(0.98) | 555.63 | 300.00 | 255.63 | 110.77 |
| 2687 | 0.98(0.98) | 371.46 | 190.00 | 181.46 | 78.63 |
| 2688 | 0.98(0.98) | | 220.00 | 243.04 | 105.32 |
| | | | | | |
| 2689 | 0.98(0.98) | | 190.00 | 181.91 | 78.83 |
| 2691 | 0.98(0.98) | | 470.00 | 168.49 | 73.01 |
| 2692 | 0.98(0.98) | 383.52 | 190.00 | 193.52 | 83.86 |
| 2693 | 0.98(0.98) | 350.55 | 200.00 | 150.55 | 65.24 |
| 2694 | 0.98(0.98) | 507.27 | 390.00 | 117.27 | 50.82 |
| 2695 | 0.98(0.98) | 368.88 | 220.00 | 148.88 | 64.52 |
| 2696 | 0.98(0.98) | | 340.00 | 205.51 | 89.05 |
| 2698 | 0.98(0.98) | | 322.00 | 309.05 | 133.92 |
| | | | | | |
| 2699 | 0.98(0.98) | | 350.00 | 166.35 | 72.09 |
| 2700 | 0.98(0.98) | | 185.00 | 168.54 | 73.03 |
| 2701 | 0.98(0.98) | 472.64 | 250.00 | 222.64 | 96.48 |
| 2702 | 0.98(0.98) | 514.07 | 380.00 | 134.07 | 58.10 |
| 2703 | 0.98(0.98) | 623.33 | 270.00 | 353.33 | 153.11 |
| 2704 | 0.98(0.98) | | 200.00 | 172.34 | 74.68 |
| 2705 | 0.98(0.98) | | | | |
| | | | 310.00 | 217.81 | 94.38 |
| 2706 | 0.98(0.98) | | 300.00 | 207.33 | 89.84 |
| 2707 | 0.98(0.98) | | 210.00 | 161.44 | 69.96 |
| 2708 | 0.98(0.98) | 375.77 | 210.00 | 165.77 | 71.83 |
| 2709 | 0.98(0.98) | 360.03 | 230.00 | 130.03 | 56.35 |
| 2710 | 0.98(0.98) | 507.35 | 350.00 | 157.35 | 68.19 |
| 2711 | 0.98(0.98) | | 280.00 | 250.90 | 108.73 |
| 2712 | 0.98(0.98) | | 290.00 | 221.54 | 96.00 |
| | | | | | |
| 2715 | 0.98(0.98) | | 385.00 | 125.54 | 54.40 |
| 2718 | 0.98(0.98) | | 360.00 | 146.44 | 63.46 |
| 2721 | 0.98(0.98) | 630.94 | 460.00 | 170.94 | 74.07 |
| 2724 | 0.98(0.98) | 505.36 | 310.00 | 195.36 | 84.66 |
| 2726 | 0.98(0.98) | 421.85 | 190.00 | 231.85 | 100.47 |
| 2727 | 0.98(0.98) | 421.91 | 185.00 | 236.91 | 102.66 |
| 2728 | 0.98(0.98) | | 185.00 | 236.89 | 102.65 |
| | 0.98(0.98) | | | 236.93 | 102.67 |
| 2729 | | | 185.00 | | |
| 2730 | 0.98(0.98) | | 190.00 | 231.92 | 100.50 |
| 2731 | 0.98(0.98) | | 185.00 | 236.85 | 102.64 |
| 2732 | 0.98(0.98) | | 185.00 | 236.92 | 102.67 |
| 2733 | 0.98(0.98) | 421.73 | 185.00 | 236.73 | 102.58 |
| 2734 | 0.98(0.98) | 421.85 | 185.00 | 236.85 | 102.64 |
| 2735 | 0.98(0.98) | 421.85 | 185.00 | 236.85 | 102.64 |
| 2736 | 0.98(0.98) | | 185.00 | 236.71 | 102.58 |
| 2737 | 0.98(0.98) | | 185.00 | 236.90 | 102.66 |
| | 0.98(0.98) | | | | |
| 2738 | | | 185.00 | 236.45 | 102.46 |
| 2739 | 0.98(0.98) | | 190.00 | 231.92 | 100.50 |
| 2740 | 0.98(0.98) | 373.67 | 220.00 | 153.67 | 66.59 |
| 2741 | 0.98(0.98) | 421.99 | 185.00 | 236.99 | 102.69 |
| 2742 | 0.98(0.98) | 421.93 | 190.00 | 231.93 | 100.50 |
| 2743 | 0.98(0.98) | 421.92 | 190.00 | 231.92 | 100.50 |
| 2744 | 0.98(0.98) | | 185.00 | 236.78 | 102.61 |
| | 0.98(0.98) | | 190.00 | 231.92 | |
| 2745 | | | | | 100.50 |
| 2746 | 0.98(0.98) | | 185.00 | 236,72 | 102.58 |
| 2747 | 0.98(0.98) | | 190.00 | 231.95 | 100.51 |
| 2748 | 0.98(0.98) | 421.85 | 185.00 | 236.85 | 102.63 |
| 2749 | 0.98(0.98) | 421.75 | 190.00 | 231.75 | 100.43 |
| 2750 | 0.98(0.98) | 421.75 | 190.00 | 231.75 | 100.42 |
| 2751 | 0.98(0.98) | | 185.00 | 236.90 | 102.65 |
| 2752 | 0.98(0.98) | | 185.00 | 236.89 | 102.65 |
| | 0.98(0.98) | | 185.00 | | |
| 2753 | | | | 236.91 | 102.66 |
| 2754 | 0.98(0.98) | | 185.00 | 236.95 | 102.68 |
| 2755 | 0.98(0.98) | | 190.00 | 231.76 | 100.43 |
| 2756 | 0.98(0.98) | 421.92 | 190.00 | 231.92 | 100.50 |
| 2757 | 0.98(0.98) | 421.91 | 185.00 | 236.91 | 102.66 |
| 2758 | 0.98(0.98) | | 185.00 | 237.14 | 102.76 |
| 2759 | 0.98(0.98) | | 185.00 | 236.97 | 102.69 |
| | 0.98(0.98) | | 185.00 | 236.99 | 102.70 |
| 2760 | | | | | |
| 2761 | 0.98(0.98) | 422.20 | 185.00 | 237.20 | 102.79 |

| 2762 | 0.98(0.98) | 422.14 | 185.00 | 237.14 | 102.76 |
|--------------|------------|--------|--------|--------|--------|
| 2763 | 0.98(0.98) | 421.79 | 190.00 | 231.79 | 100.44 |
| 2764 | 0.98(0.98) | 421.91 | 185.00 | 236.91 | 102.66 |
| 2765 | 0.98(0.98) | | 185.00 | 236.37 | 102.43 |
| 2766 | | | | | |
| | 0.98(0.98) | | 185.00 | 236.99 | 102.70 |
| 2767 | 0.98(0.98) | | 190.00 | 231.60 | 100.36 |
| 2768 | 0.98(0.98) | 421.36 | 185.00 | 236.36 | 102.42 |
| 2769 | 0.98(0.98) | 421.85 | 190.00 | 231.85 | 100.47 |
| 2770 | 0.98(0.98) | 421.99 | 185.00 | 236.99 | 102.70 |
| 2771 | 0.98(0.98) | | | | |
| | | | 185.00 | 236.83 | 102.63 |
| 5001 | 0.00 | 580.12 | 433.00 | 147.12 | 63.75 |
| 5002 | 0.00 | 580.71 | 420.00 | 160.71 | 69.64 |
| 5003 | 0.00 | 580.35 | 430.00 | 150.35 | 65.15 |
| 5004 | 0.00 | 578.82 | 300.00 | 278.82 | 120.82 |
| 5005 | 0.00 | 578.64 | 315.00 | 263.64 | 114.24 |
| | | | | | |
| 5006 | 0.00 | 578.64 | 320.00 | 258.64 | 112.08 |
| 5007 | 0.00 | 578.60 | 325.00 | 253.60 | 109.89 |
| 5008 | 0.00 | 578.35 | 300.00 | 278.35 | 120.62 |
| 5009 | 0.00 | 578.24 | 400.00 | 178.24 | 77.24 |
| 5010 | 0.00 | 580.85 | 430.00 | 150.85 | 65.37 |
| | 0.00 | | | | |
| 5011 | | 580.06 | 380.00 | 200.06 | 86.69 |
| 5012 | 0.00 | 581.46 | 420.00 | 161.46 | 69.96 |
| 5013 | 0.00 | 583.75 | 374.00 | 209.75 | 90.89 |
| 5014 | 0.00 | 583.07 | 279.00 | 304.07 | 131.76 |
| 5015 | 0.00 | 582.72 | 334.00 | 248.72 | 107.78 |
| 5016 | 0.00 | 582.55 | 323.00 | 259.55 | 112.47 |
| | 0.00 | | | | |
| 5017 | | 582.40 | 336.00 | 246.40 | 106.77 |
| 5018 | 0.00 | 582.15 | 340.00 | 242.15 | 104.93 |
| 5019 | 0.00 | 581.59 | 370.00 | 211.59 | 91.69 |
| 5020 | 0.00 | 581.44 | 375.00 | 206.44 | 89.46 |
| 5021 | 0.00 | 581.42 | 390.00 | 191.42 | 82.95 |
| 5022 | 0.00 | 581.38 | 380.00 | 201.38 | |
| | | | | | 87.26 |
| 5023 | 0.00 | 583.83 | 380.00 | 203.83 | 88.33 |
| 5024 | 0.00 | 581.39 | 390.00 | 191.39 | 82.94 |
| 5025 | 0.00 | 583.72 | 312.00 | 271.72 | 117.74 |
| 5026 | 0.00 | 583.72 | 360.00 | 223.72 | 96.94 |
| 5027 | 0.00 | 584.64 | 350.00 | 234.64 | 101.68 |
| | 0.00 | 631.51 | 390.00 | | |
| 5028 | | | | 241.51 | 104.65 |
| 5029 | 0.00 | 632.14 | 390.00 | 242.14 | 104.93 |
| 5030 | 0.00 | 577.52 | 420.00 | 157.52 | 68.26 |
| 5031 | 0.00 | 601.15 | 270.00 | 331.15 | 143.50 |
| 5032 | 0.00 | 626.14 | 380.00 | 246.14 | 106.66 |
| 5033 | 0.00 | 636.33 | 394.00 | 242.33 | 105.01 |
| | 0.00 | | | | |
| 5034 | | 412.82 | 400.00 | 12.82 | 5.56 |
| 5035 | 0.00 | 410.00 | 400.00 | 10.00 | 4.33 |
| 5036 | 0.00 | 410.00 | 400.00 | 10.00 | 4.33 |
| 5037 | 0.00 | 440.06 | 340.00 | 100.06 | 43.36 |
| 5038 | 0.00 | 438.94 | 390.00 | 48.94 | 21.21 |
| 5039 | 0.00 | 444.02 | 320.00 | 124.02 | 53.74 |
| | 0.00 | | | | 76.29 |
| 5040 | | 476.06 | 300.00 | 176.06 | |
| 5041 | 0.00 | 519.86 | 371.00 | 148.86 | 64.51 |
| 5042 | 0.00 | 557.85 | 305.00 | 252.85 | 109.57 |
| 5043 | 0.00 | 627.92 | 430.00 | 197.92 | 85.76 |
| 5044 | 0.00 | 627.33 | 469.00 | 158.33 | 68.61 |
| 5045 | 0.00 | 627.25 | 460.00 | 167.25 | 72.47 |
| | | | | | |
| 5046 | 0.00 | 625.70 | 534.00 | 91.70 | 39.73 |
| 5047 | 0.00 | 625.00 | 560.00 | 65.00 | 28.17 |
| 5048 | 0.00 | 672.88 | 400.00 | 272.88 | 118.25 |
| 5049 | 0.00 | 503.42 | 420.00 | 83.42 | 36.15 |
| 5050 | 0.00 | 516.62 | 323.00 | 193.62 | 83.90 |
| | 0.00 | 516.58 | 320.00 | 196.58 | 85.18 |
| 5051 | | | | | |
| 5052 | 0.00 | 516.50 | 310.00 | 206.50 | 89.48 |
| 5053 | 0.00 | 516.42 | 350.00 | 166.42 | 72.12 |
| 5054 | 0.00 | 627.16 | 470.00 | 157.16 | 68.10 |
| 5055 | 0.00 | 627.13 | 470.00 | 157.13 | 68.09 |
| 5056 | 0.00 | 650.57 | 445.00 | 205.57 | 89.08 |
| | | | | | |
| 5057 | 0.00 | 489.57 | 400.00 | 89.57 | 38.81 |
| 5058 | 0.00 | 516.33 | 370.00 | 146.33 | 63.41 |
| 5059 | 0.00 | 669.80 | 370.00 | 299.80 | 129.91 |
| 5060 | 0.00 | 669.33 | 370.00 | 299.33 | 129.71 |
| 5061 | 0.00 | 667.44 | 300.00 | 367.44 | 159.22 |
| - | | | | | |

| 5062 | 0.00 | 667.11 | 335.00 | 332.11 | 143.91 |
|------|------|--------|--------|--------|----------------|
| 5063 | 0.00 | 665.52 | 380.00 | 285.52 | 123.72 |
| | | | | | |
| 5064 | 0.00 | 415.62 | 350.00 | 65.62 | 28.43 |
| 5065 | 0.00 | 415.62 | 336.00 | 79.62 | 34.50 |
| | | | | | |
| 5066 | 0.00 | 577.43 | 400.00 | 177.43 | 76.89 |
| 5067 | 0.00 | 577.43 | 400.00 | 177.43 | 76.89 |
| 5068 | 0.00 | 576.75 | 420.00 | 156.75 | 67.92 |
| | | | | | |
| 5069 | 0.00 | 515.12 | 340.00 | 175.12 | 75.89 |
| 5070 | 0.00 | 415.62 | 330.00 | 85.62 | 37.10 |
| | | | | | |
| 5071 | 0.00 | 397.86 | 330.00 | 67.86 | 29.41 |
| 5072 | 0.00 | 571.15 | 320.00 | 251.15 | 108.83 |
| 5073 | 0.00 | 571.13 | 320.00 | 251.13 | 108.82 |
| | | | | | |
| 5074 | 0.00 | 570.82 | 320.00 | 250.82 | 108.69 |
| 5075 | 0.00 | 569.65 | 321.00 | 248.65 | 107.75 |
| 5076 | 0.00 | 575.88 | 475.00 | 100.88 | 43.71 |
| | | | | | |
| 5077 | 0.00 | 569.64 | 321.00 | 248.64 | 107.74 |
| 5078 | 0.00 | 569.05 | 310.00 | 259.05 | 112.25 |
| 5079 | 0.00 | 568.94 | | | |
| | | | 300.00 | 268.94 | 116.54 |
| 5080 | 0.00 | 568.62 | 250.00 | 318.62 | 138.07 |
| 5081 | 0.00 | 568.19 | 299.00 | 269.19 | 116.65 |
| | | | | | |
| 5082 | 0.00 | 568.90 | 310.00 | 258.90 | 112.19 |
| 5083 | 0.00 | 568.23 | 264.00 | 304.23 | 131.83 |
| 5084 | 0.00 | 568.00 | 250.00 | 318.00 | 137.80 |
| | | | | | |
| 5085 | 0.00 | 568.23 | 280.00 | 288.23 | 124.90 |
| 5086 | 0.00 | 568.90 | 304.00 | 264.90 | 114.79 |
| | | | | | |
| 5087 | 0.00 | 568.89 | 320.00 | 248.89 | 107.85 |
| 5088 | 0.00 | 568.90 | 280.00 | 288.90 | 125.19 |
| 5089 | 0.00 | 568.89 | 310.00 | 258.89 | 112.19 |
| | | | | | |
| 5090 | 0.00 | 567.59 | 362.00 | 205.59 | 89.09 |
| 5091 | 0.00 | 566.89 | 388.00 | 178.89 | 77.52 |
| 5092 | 0.00 | 566.88 | 340.00 | 226.88 | 98.32 |
| | | | | | |
| 5093 | 0.00 | 566.88 | 360.00 | 206.88 | 89.65 |
| 5094 | 0.00 | 566.88 | 370.00 | 196.88 | 85.32 |
| 5095 | 0.00 | 567.08 | 285.00 | 282.08 | 122.24 |
| | | | | | |
| 5096 | 0.00 | 566.91 | 280.00 | 286.91 | 124.33 |
| 5097 | 0.00 | 566.09 | 280.00 | 286.09 | 123.97 |
| | | | | | |
| 5098 | 0.00 | 566.14 | 280.00 | 286.14 | 124.00 |
| 5099 | 0.00 | 565.03 | 260.00 | 305.03 | 132.18 |
| 5100 | 0.00 | 562.57 | 290.00 | 272.57 | 118.11 |
| | | | | | |
| 5101 | 0.00 | 562.35 | 330.00 | 232.35 | 100.69 |
| 5102 | 0.00 | 562.20 | 270.00 | 292.20 | 126.62 |
| 5103 | 0.00 | 561.99 | 292.00 | 269.99 | 116.99 |
| | | | | | |
| 5104 | 0.00 | 561.97 | 292.00 | 269.97 | 116.99 |
| 5105 | 0.00 | 561.71 | 270.00 | 291.71 | 126.41 |
| 5106 | 0.00 | 561.51 | 294.00 | 267.51 | 115.92 |
| | | | | | |
| 5107 | 0.00 | 508.95 | 365.00 | 143.95 | 62.38 |
| 5108 | 0.00 | 507.52 | 360.00 | 147.52 | 63.93 |
| 5109 | 0.00 | 508.96 | 365.00 | 143.96 | 62.38 |
| | | | | | |
| 5110 | 0.00 | 508.96 | 365.00 | 143.96 | 62.38 |
| 5111 | 0.00 | 509.06 | 365.00 | 144.06 | 62.42 |
| 5112 | 0.00 | 489.39 | 365.00 | 124.39 | 53.90 |
| | | | | | |
| 5113 | 0.00 | 509.39 | 370.00 | 139.39 | 60.40 |
| 5114 | 0.00 | 489.32 | 370.00 | 119.32 | 51.71 |
| | 0.00 | 489.30 | 370.00 | 119.30 | 51.70 |
| 5115 | | | | | |
| 5116 | 0.00 | 509.66 | 360.00 | 149.66 | 64.85 |
| 5117 | 0.00 | 509.66 | 360.00 | 149.66 | 64.85 |
| | | | | | |
| 5118 | 0.00 | 510.54 | 375.00 | 135.54 | 58.73 |
| 5119 | 0.00 | 510.98 | 390.00 | 120.98 | 52.42 |
| 5120 | 0.00 | 510.98 | 390.00 | 120.98 | 52.42 |
| | | | | | |
| 5121 | 0.00 | 510.98 | 390.00 | 120.98 | 52.42 |
| 5122 | 0.00 | 509.53 | 360.00 | 149.53 | 64.80 |
| 5123 | 0.00 | 507.04 | 330.00 | 177.04 | 76. 7 2 |
| | | | | | |
| 5124 | 0.00 | 507.17 | 330.00 | 177.17 | 76.77 |
| 5125 | 0.00 | 507.75 | 350.00 | 157.75 | 68.36 |
| | 0.00 | 507.40 | | 162.40 | 70.37 |
| 5126 | | | 345.00 | | |
| 5127 | 0.00 | 507.38 | 345.00 | 162.38 | 70.36 |
| 5128 | 0.00 | 510.17 | 360.00 | 150.17 | 65.07 |
| | | | | | |
| 5129 | 0.00 | 510.27 | 370.00 | 140.27 | 60.78 |
| 5130 | 0.00 | 510.33 | 360.00 | 150.33 | 65.14 |
| 5131 | 0.00 | 510.35 | 360.00 | 150.35 | 65.15 |
| | | | | | |
| 5132 | 0.00 | 510.66 | 375.00 | 135.66 | 58.79 |
| | | | | | |

| 5133 | 0.00 | 508.48 | 365.00 | 143.48 | 62.18 |
|------|------|--------|--------|--------|--------|
| 5134 | 0.00 | 507.96 | 360.00 | 147.96 | 64.12 |
| 5135 | 0.00 | 507.60 | 365.00 | 142.60 | 61.79 |
| 5136 | 0.00 | 507.38 | 310.00 | 197.38 | 85.53 |
| | | | | | |
| 5137 | 0.00 | 507.33 | 320.00 | 187.33 | 81.17 |
| 5138 | 0.00 | 503.93 | 320.00 | 183.93 | 79.70 |
| 5139 | 0.00 | 506.34 | 325.00 | 181.34 | 78.58 |
| 5140 | 0.00 | 506.07 | 325.00 | 181.07 | 78.46 |
| 5141 | 0.00 | 481.42 | 290.00 | 191.42 | 82.95 |
| 5142 | 0.00 | 494.32 | | | |
| | | | 320.00 | 174.32 | 75.54 |
| 5143 | 0.00 | 505.44 | 290.00 | 215.44 | 93.36 |
| 5144 | 0.00 | 505.39 | 310.00 | 195.39 | 84.67 |
| 5145 | 0.00 | 507.37 | 310.00 | 197.37 | 85.52 |
| 5146 | 0.00 | 507.08 | 305.00 | 202.08 | 87.57 |
| 5147 | 0.00 | 506.80 | 350.00 | 156.80 | 67.95 |
| 5148 | 0.00 | 506.94 | 360.00 | 146.94 | 63.67 |
| 5149 | 0.00 | 507.16 | 310.00 | 197.16 | 85.44 |
| | | | | | |
| 5150 | 0.00 | 506.94 | 360.00 | 146.94 | 63.67 |
| 5151 | 0.00 | 505.38 | 310.00 | 195.38 | 84.67 |
| 5152 | 0.00 | 476.10 | 310.00 | 166.10 | 71.98 |
| 5153 | 0.00 | 474.68 | 340.00 | 134.68 | 58.36 |
| 5154 | 0.00 | 494.68 | 330.00 | 164.68 | 71.36 |
| 5155 | 0.00 | 494.87 | 315.00 | 179.87 | 77.95 |
| 5156 | 0.00 | 495.37 | 290.00 | 205.37 | |
| | | | | | 88.99 |
| 5157 | 0.00 | 495.67 | 260.00 | 235.67 | 102.12 |
| 5158 | 0.00 | 499.76 | 240.00 | 259.76 | 112.56 |
| 5159 | 0.00 | 499.76 | 240.00 | 259.76 | 112.56 |
| 5160 | 0.00 | 499.76 | 285.00 | 214.76 | 93.06 |
| 5161 | 0.00 | 501.92 | 222.00 | 279.92 | 121.30 |
| 5162 | 0.00 | 504.95 | 265.00 | 239.95 | 103.98 |
| 5163 | 0.00 | 506.41 | 235.00 | 271.41 | 117.61 |
| | 0.00 | | | | |
| 5164 | | 507.09 | 258.00 | 249.09 | 107.94 |
| 5165 | 0.00 | 509.05 | 300.00 | 209.05 | 90.59 |
| 5166 | 0.00 | 509.60 | 300.00 | 209.60 | 90.83 |
| 5167 | 0.00 | 509.60 | 300.00 | 209.60 | 90.83 |
| 5168 | 0.00 | 509.60 | 300.00 | 209.60 | 90.83 |
| 5169 | 0.00 | 510.41 | 250.00 | 260.41 | 112.85 |
| 5170 | 0.00 | 511.16 | 250.00 | 261.16 | 113.17 |
| 5171 | 0.00 | 514.39 | 300.00 | 214.39 | 92.90 |
| | | | | | |
| 5172 | 0.00 | 497.10 | 270.00 | 227.10 | 98.41 |
| 5173 | 0.00 | 487.83 | 290.00 | 197.83 | 85.73 |
| 5174 | 0.00 | 487.53 | 290.00 | 197.53 | 85.60 |
| 5175 | 0.00 | 487.53 | 270.00 | 217.53 | 94.26 |
| 5176 | 0.00 | 484.60 | 300.00 | 184.60 | 79.99 |
| 5177 | 0.00 | 482.75 | 280.00 | 202.75 | 87.86 |
| 5178 | 0.00 | 484.51 | 240.00 | 244.51 | 105.95 |
| 5179 | 0.00 | 484.51 | 300.00 | 184.51 | 79.95 |
| | | | | | |
| 5180 | 0.00 | 481.80 | 280.00 | 201.80 | 87.45 |
| 5181 | 0.00 | 481.80 | 280.00 | 201.80 | 87.45 |
| 5182 | 0.00 | 480.72 | 275.00 | 205.72 | 89.15 |
| 5183 | 0.00 | 479.76 | 265.00 | 214.76 | 93.06 |
| 5184 | 0.00 | 479.69 | 265.00 | 214.69 | 93,03 |
| 5185 | 0.00 | 477.96 | 264.00 | 213.96 | 92.72 |
| 5186 | 0.00 | 477.95 | 264.00 | 213.95 | 92.71 |
| | 0.00 | 477.82 | 260.00 | | 94.39 |
| 5187 | | | | 217.82 | |
| 5188 | 0.00 | 476.93 | 270.00 | 206.93 | 89.67 |
| 5189 | 0.00 | 475.70 | 260.00 | 215.70 | 93.47 |
| 5190 | 0.00 | 474.89 | 229.00 | 245.89 | 106.55 |
| 5191 | 0.00 | 471.78 | 214.00 | 257.78 | 111.70 |
| 5192 | 0.00 | 471.66 | 214.00 | 257.66 | 111.65 |
| 5193 | 0.00 | 470.43 | 220.00 | 250.43 | 108.52 |
| 5194 | 0.00 | 464.13 | 216.00 | 248.13 | 107.52 |
| | | | | | |
| 5195 | 0.00 | 464.01 | 216.00 | 248.01 | 107.47 |
| 5196 | 0.00 | 462.67 | 202.00 | 260.67 | 112.96 |
| 5197 | 0.00 | 462.66 | 202.00 | 260.66 | 112.95 |
| 5198 | 0.00 | 457.40 | 181.00 | 276.40 | 119.77 |
| 5199 | 0.00 | 455.59 | 186.00 | 269.59 | 116.82 |
| 5200 | 0.00 | 455.37 | 186.00 | 269.37 | 116.73 |
| | 0.00 | 454.68 | 180.00 | 274.68 | 119.03 |
| 5201 | | | | | |
| 5202 | 0.00 | 453.60 | 180.00 | 273.60 | 118.56 |
| 5203 | 0.00 | 452.74 | 180.00 | 272.74 | 118.19 |

| 5204 | 0.00 | 452.58 | 180.00 | 272.58 | 118.12 |
|------|------|--------|--------|--------|--------|
| 5205 | 0.00 | 452.54 | 180.00 | 272.54 | 118.10 |
| 5207 | 0.00 | 488.90 | 360.00 | 128.90 | 55.86 |
| 5209 | 0.00 | 482.46 | 351.00 | | |
| | | | | 131.46 | 56.97 |
| 5210 | 0.00 | 480.42 | 340.00 | 140.42 | 60.85 |
| 5211 | 0.00 | 480.24 | 340.00 | 140.24 | 60.77 |
| 5212 | 0.00 | 541.40 | 330.00 | 211.40 | 91.61 |
| 5213 | 0.00 | 541.40 | 330.00 | 211.40 | 91.61 |
| 5214 | 0.00 | 541.38 | 330.00 | 211.38 | 91.60 |
| | | | | | |
| 5215 | 0.00 | 542.67 | 335.00 | 207.67 | 89.99 |
| 5216 | 0.00 | 546.09 | 340.00 | 206.09 | 89.30 |
| 5217 | 0.00 | 547.12 | 345.00 | 202.12 | 87.58 |
| 5218 | 0.00 | 547.59 | 350.00 | 197.59 | 85.62 |
| 5219 | 0.00 | 387.79 | 314.00 | 73.79 | 31.98 |
| 5220 | 0.00 | 387.79 | 300.00 | 87.79 | 38.04 |
| 5221 | 0.00 | 547.32 | 350.00 | 197.32 | 85.50 |
| 5222 | 0.00 | 516.21 | 310.00 | 206.21 | 89.36 |
| | | | | | |
| 5223 | 0.00 | 515.13 | 310.00 | 205.13 | 88.89 |
| 5224 | 0.00 | 515.10 | 310.00 | 205.10 | 88.88 |
| 5225 | 0.00 | 514.13 | 310.00 | 204.13 | 88.46 |
| 5226 | 0.00 | 514.09 | 310.00 | 204.09 | 88.44 |
| 5227 | 0.00 | 510.81 | 290.00 | 220.81 | 95.68 |
| 5228 | 0.00 | 511.64 | 290.00 | 221.64 | 96.04 |
| 5229 | 0.00 | 510.72 | | | |
| | | | 290.00 | 220.72 | 95.65 |
| 5230 | 0.00 | 510.13 | 300.00 | 210.13 | 91.06 |
| 5231 | 0.00 | 505.67 | 260.00 | 245.67 | 106.46 |
| 5232 | 0.00 | 504.40 | 270.00 | 234.40 | 101.58 |
| 5233 | 0.00 | 495.15 | 270.00 | 225.15 | 97.56 |
| 5234 | 0.00 | 486.95 | 280.00 | 206.95 | 89.68 |
| 5235 | 0.00 | 402.84 | 300.00 | 102.84 | 44.57 |
| 5236 | 0.00 | 402.61 | 300.00 | 102.61 | 44.46 |
| | | | | | |
| 5237 | 0.00 | 424.34 | 280.00 | 144.34 | 62.55 |
| 5238 | 0.00 | 424.22 | 280.00 | 144.22 | 62.49 |
| 5239 | 0.00 | 433.72 | 242.00 | 191.72 | 83.08 |
| 5240 | 0.00 | 443.86 | 280.00 | 163.86 | 71.01 |
| 5241 | 0.00 | 457.83 | 240.00 | 217.83 | 94.39 |
| 5242 | 0.00 | 472.40 | 290.00 | 182.40 | 79.04 |
| 5243 | 0.00 | 472.37 | 290.00 | 182.37 | 79.03 |
| | 0.00 | 480.79 | | | |
| 5244 | | | 295.00 | 185.79 | 80.51 |
| 5245 | 0.00 | 493.11 | 312.00 | 181.11 | 78.48 |
| 5246 | 0.00 | 498.98 | 300.00 | 198.98 | 86.22 |
| 5247 | 0.00 | 520.01 | 296.00 | 224.01 | 97.07 |
| 5248 | 0.00 | 519.53 | 270.00 | 249.53 | 108.13 |
| 5249 | 0.00 | 528.03 | 302.00 | 226.03 | 97.95 |
| 5250 | 0.00 | 532.27 | 290.00 | 242.27 | 104.99 |
| 5251 | 0.00 | 536.47 | 270.00 | 266.47 | 115.47 |
| | | | | | |
| 5252 | 0.00 | 545.35 | 310.00 | 235.35 | 101.98 |
| 5253 | 0.00 | 593.09 | 310.00 | 283.09 | 122.67 |
| 5254 | 0.00 | 491.76 | 330.00 | 161.76 | 70.10 |
| 5255 | 0.00 | 491.76 | 320.00 | 171.76 | 74.43 |
| 5256 | 0.00 | 491.76 | 320.00 | 171.76 | 74.43 |
| 5257 | 0.00 | 491.76 | 270.00 | 221.76 | 96.10 |
| 5258 | 0.00 | 491.51 | 320.00 | 171.51 | 74.32 |
| 5259 | 0.00 | 491.48 | 320.00 | 171.48 | 74.31 |
| | | | | | |
| 5260 | 0.00 | 490.46 | 350.00 | 140.46 | 60.86 |
| 5261 | 0.00 | 489.41 | 360.00 | 129.41 | 56.08 |
| 5262 | 0.00 | 592.88 | 310.00 | 282.88 | 122.58 |
| 5263 | 0.00 | 588.69 | 245.00 | 343.69 | 148.93 |
| 5264 | 0.00 | 581.50 | 186.00 | 395.50 | 171.39 |
| 5265 | 0.00 | 580.13 | 212.00 | 368.13 | 159.52 |
| 5266 | 0.00 | 578.67 | 219.00 | 359.67 | 155.86 |
| | | | | | |
| 5267 | 0.00 | 576.01 | 225.00 | 351.01 | 152.11 |
| 5268 | 0.00 | 573.50 | 230.00 | 343.50 | 148.85 |
| 5269 | 0.00 | 570.67 | 300.00 | 270.67 | 117.29 |
| 5270 | 0.00 | 570.67 | 300.00 | 270.67 | 117.29 |
| 5271 | 0.00 | 568.71 | 320.00 | 248.71 | 107.78 |
| 5272 | 0.00 | 568.71 | 320.00 | 248.71 | 107.78 |
| | 0.00 | 568.08 | 273.00 | 295.08 | 127.87 |
| 5273 | | | | | |
| 5274 | 0.00 | 634.93 | 319.00 | 315.93 | 136.90 |
| 5275 | 0.00 | 633.56 | 319.00 | 314.56 | 136.31 |
| 5276 | 0.00 | 611.30 | 235.00 | 376.30 | 163.07 |
| | | | | | |

| 5277 | 0.00 | 594.20 | 331.00 | 263.20 | 114.05 |
|------|------|--------|--------|--------|--------|
| 5278 | 0.00 | 564.04 | 340.00 | 224.04 | 97.08 |
| 5279 | 0.00 | 559.20 | 250.00 | 309.20 | 133.99 |
| 5280 | 0.00 | 553.65 | 286.00 | | |
| | | | | 267.65 | 115.98 |
| 5281 | 0.00 | 555.17 | 273.00 | 282.17 | 122.28 |
| 5282 | 0.00 | 527.65 | 310.00 | 217.65 | 94.32 |
| 5283 | 0.00 | 519.53 | 323.00 | 196.53 | 85.16 |
| 5284 | 0.00 | 516.36 | 320.00 | 196.36 | 85.09 |
| 5285 | 0.00 | 515.88 | 300.00 | 215.88 | 93.55 |
| | | 506.59 | | | |
| 5286 | 0.00 | | 300.00 | 206.59 | 89.52 |
| 5287 | 0.00 | 516.62 | 320.00 | 196.62 | 85.20 |
| 5288 | 0.00 | 629.91 | 340.00 | 289.91 | 125.63 |
| 5289 | 0.00 | 629.62 | 300.00 | 329.62 | 142.83 |
| 5290 | 0.00 | 625.30 | 282.00 | 343.30 | 148.76 |
| 5291 | 0.00 | 595.73 | 210.00 | 385.73 | 167.15 |
| | 0.00 | | | | |
| 5292 | | 562.29 | 200.00 | 362.29 | 156.99 |
| 5293 | 0.00 | 548.11 | 300.00 | 248.11 | 107.51 |
| 5294 | 0.00 | 531.90 | 250.00 | 281.90 | 122.16 |
| 5295 | 0.00 | 525.02 | 190.00 | 335.02 | 145.17 |
| 5296 | 0.00 | 628.05 | 340.00 | 288.05 | 124.82 |
| 5297 | 0.00 | 627.37 | 340.00 | 287.37 | 124.53 |
| 5298 | 0.00 | 624.97 | | 284.97 | 123.49 |
| | | | 340.00 | | |
| 5299 | 0.00 | 598.99 | 390.00 | 208.99 | 90.56 |
| 5300 | 0.00 | 510.00 | 437.00 | 73.00 | 31.63 |
| 5301 | 0.00 | 505.27 | 457.00 | 48.27 | 20.92 |
| 5302 | 0.00 | 505.25 | 360.00 | 145.25 | 62.94 |
| 5303 | 0.00 | 505.25 | 350.00 | 155.25 | 67.28 |
| | 0.00 | | | | |
| 5304 | | 494.40 | 397.00 | 97.40 | 42.21 |
| 5305 | 0.00 | 475.38 | 260.00 | 215.38 | 93.33 |
| 5306 | 0.00 | 472.44 | 265.00 | 207.44 | 89.89 |
| 5307 | 0.00 | 467.65 | 240.00 | 227.65 | 98.65 |
| 5308 | 0.00 | 466.06 | 220.00 | 246.06 | 106.63 |
| 5309 | 0.00 | 465.54 | 200.00 | 265.54 | 115.07 |
| 5310 | 0.00 | 465.40 | 210.00 | 255.40 | 110.67 |
| | | | | | |
| 5311 | 0.00 | 465.60 | 230.00 | 235.60 | 102.09 |
| 5312 | 0.00 | 474.60 | 280.00 | 194.60 | 84.33 |
| 5313 | 0.00 | 472.45 | 248.00 | 224.45 | 97.26 |
| 5314 | 0.00 | 461.53 | 241.00 | 220.53 | 95.56 |
| 5315 | 0.00 | 447.38 | 211.00 | 236.38 | 102.43 |
| 5316 | 0.00 | 445.09 | 205.00 | 240.09 | 104.04 |
| | | | | | |
| 5317 | 0.00 | 444.62 | 200.00 | 244.62 | 106.00 |
| 5318 | 0.00 | 443.96 | 200.00 | 243.96 | 105.72 |
| 5319 | 0.00 | 444.70 | 210.00 | 234.70 | 101.70 |
| 5320 | 0.00 | 443.19 | 200.00 | 243.19 | 105.38 |
| 5321 | 0.00 | 517.18 | 323.00 | 194.18 | 84.15 |
| 5322 | 0.00 | 443.10 | 210.00 | 233.10 | 101.01 |
| 5323 | 0.00 | 443.07 | 220.00 | 223.07 | 96.66 |
| | | | | | |
| 5324 | 0.00 | 443.07 | 220.00 | 223.07 | 96.66 |
| 5325 | 0.00 | 463.32 | 215.00 | 248.32 | 107.60 |
| 5326 | 0.00 | 508.80 | 365.00 | 143.80 | 62.31 |
| 5327 | 0.00 | 460.75 | 240.00 | 220.75 | 95.66 |
| 5328 | 0.00 | 453.98 | 270.00 | 183.98 | 79.72 |
| 5329 | 0.00 | 452.96 | 252.00 | 200.96 | 87.08 |
| | 0.00 | | 271.00 | | |
| 5330 | | 452.89 | | 181.89 | 78.82 |
| 5331 | 0.00 | 450.68 | 300.00 | 150.68 | 65.29 |
| 5332 | 0.00 | 449.48 | 185.00 | 264.48 | 114.61 |
| 5333 | 0.00 | 449.39 | 207.00 | 242.39 | 105.04 |
| 5334 | 0.00 | 506.88 | 310.00 | 196.88 | 85.31 |
| 5335 | 0.00 | 375.62 | 320.00 | 55.62 | 24.10 |
| | 0.00 | 450.07 | 240.00 | 210.07 | 91.03 |
| 5336 | | | | | |
| 5337 | 0.00 | 447.39 | 230.00 | 217.39 | 94.20 |
| 5338 | 0.00 | 444.32 | 216.00 | 228.32 | 98.94 |
| 5339 | 0.00 | 445.79 | 220.00 | 225.79 | 97.84 |
| 5340 | 0.00 | 445.76 | 230.00 | 215.76 | 93.50 |
| 5341 | 0.00 | 433.73 | 197.00 | 236.73 | 102.58 |
| | 0.00 | 423.87 | 179.00 | | 106.11 |
| 5342 | | | | 244.87 | |
| 5343 | 0.00 | 421.05 | 180.00 | 241.05 | 104.46 |
| 5344 | 0.00 | 422.63 | 180.00 | 242.63 | 105.14 |
| 5345 | 0.00 | 421.11 | 180.00 | 241.11 | 104.48 |
| 5346 | 0.00 | 421.06 | 180.00 | 241.06 | 104.46 |
| 5347 | 0.00 | 419.76 | 190.00 | 229.76 | 99.56 |
| 55.7 | | | -50.00 | | 55.55 |

| 5348 | 0.00 | 419.30 | 180.00 | 239.30 | 103.70 |
|------|------|--------|--------|--------|--------|
| 5349 | 0.00 | 410.95 | 190.00 | 220.95 | 95.75 |
| 5350 | 0.00 | 417.96 | 180.00 | 237.96 | 103.12 |
| 5351 | 0.00 | 408.33 | 210.00 | 198.33 | 85.94 |
| 5352 | 0.00 | 405.42 | 210.00 | 195.42 | 84.68 |
| | | | | | |
| 5353 | 0.00 | 400.78 | 230.00 | 170.78 | 74.00 |
| 5354 | 0.00 | 393.67 | 220.00 | 173.67 | 75.26 |
| 5355 | 0.00 | 393.66 | 215.00 | 178.66 | 77.42 |
| 5356 | 0.00 | 391.73 | 230.00 | 161.73 | 70.08 |
| 5357 | 0.00 | 390.59 | 220.00 | 170.59 | 73.92 |
| 5358 | 0.00 | 390.42 | 220.00 | 170.42 | 73,85 |
| | 0.00 | | | | |
| 5359 | | 389.45 | 200.00 | 189.45 | 82.10 |
| 5360 | 0.00 | 383.98 | 210.00 | 173.98 | 75.39 |
| 5361 | 0.00 | 384.20 | 210.00 | 174.20 | 75.49 |
| 5362 | 0.00 | 384.27 | 210.00 | 174.27 | 75.52 |
| 5363 | 0.00 | 383.99 | 200.00 | 183.99 | 79.73 |
| 5364 | 0.00 | 383.55 | 200.00 | 183.55 | 79.54 |
| 5365 | 0.00 | 383.51 | 190.00 | 193.51 | 83.86 |
| | 0.00 | | | | |
| 5366 | | 387.72 | 190.00 | 197.72 | 85.68 |
| 5367 | 0.00 | 387.85 | 190.00 | 197.85 | 85.74 |
| 5368 | 0.00 | 389.52 | 190.00 | 199.52 | 86.46 |
| 5369 | 0.00 | 389.96 | 190.00 | 199.96 | 86.65 |
| 5370 | 0.00 | 389.87 | 200.00 | 189.87 | 82.28 |
| 5371 | 0.00 | 394.40 | 190.00 | 204.40 | 88.57 |
| 5372 | 0.00 | 394.53 | 190.00 | 204.53 | 88.63 |
| | 0.00 | | | | |
| 5373 | | 399.08 | 190.00 | 209.08 | 90.60 |
| 5374 | 0.00 | 398.76 | 210.00 | 188.76 | 81.80 |
| 5375 | 0.00 | 384.18 | 210.00 | 174.18 | 75.48 |
| 5376 | 0.00 | 375.64 | 240.00 | 135.64 | 58.78 |
| 5377 | 0.00 | 374.71 | 214.00 | 160.71 | 69.64 |
| 5378 | 0.00 | 374.21 | 205.00 | 169.21 | 73.32 |
| 5379 | 0.00 | 374.00 | 190.00 | 184.00 | 79.73 |
| | | | | | |
| 5380 | 0.00 | 371.64 | 200.00 | 171.64 | 74.38 |
| 5381 | 0.00 | 371.44 | 210.00 | 161.44 | 69.96 |
| 5382 | 0.00 | 422.39 | 186.00 | 236.39 | 102.43 |
| 5383 | 0.00 | 422.08 | 190.00 | 232.08 | 100.57 |
| 5384 | 0.00 | 421.99 | 185.00 | 236.99 | 102.70 |
| 5385 | 0.00 | 421.91 | 185.00 | 236.91 | 102.66 |
| 5386 | 0.00 | 421.85 | 190.00 | 231.85 | 100.47 |
| | 0.00 | 421.91 | | | |
| 5387 | | | 185.00 | 236.91 | 102.66 |
| 5388 | 0.00 | 421.93 | 185.00 | 236.93 | 102.67 |
| 5389 | 0.00 | 422.15 | 185.00 | 237.15 | 102.76 |
| 5390 | 0.00 | 421.77 | 190.00 | 231.77 | 100.43 |
| 5391 | 0.00 | 668.37 | 270.00 | 398.37 | 172.63 |
| 5392 | 0.00 | 682.92 | 365.00 | 317.92 | 137.76 |
| 5393 | 0.00 | 688.81 | 350.00 | 338.81 | 146.82 |
| 5394 | 0.00 | 692.25 | 380.00 | 312.25 | 135.31 |
| | | | | | |
| 5395 | 0.00 | 399.79 | 350.00 | 49.79 | 21.58 |
| 5396 | 0.00 | 409.37 | 321.00 | 88.37 | 38.29 |
| 5397 | 0.00 | 488.73 | 210.00 | 278.73 | 120.78 |
| 5398 | 0.00 | 374.60 | 207.00 | 167.60 | 72.63 |
| 5399 | 0.00 | 384.10 | 205.00 | 179.10 | 77.61 |
| 5400 | 0.00 | 375.50 | 193.00 | 182.50 | 79.08 |
| 5401 | 0.00 | 360.17 | 187.00 | 173.17 | 75.04 |
| 5402 | 0.00 | 358.33 | 185.00 | 173.33 | 75.11 |
| | 0.00 | | | | |
| 5403 | | 356.82 | 185.00 | 171.82 | 74.45 |
| 5404 | 0.00 | 356.69 | 185.00 | 171.69 | 74.40 |
| 5405 | 0.00 | 356.68 | 185.00 | 171.68 | 74.39 |
| 5406 | 0.00 | 358.01 | 185.00 | 173.01 | 74.97 |
| 5407 | 0.00 | 357.20 | 185.00 | 172.20 | 74.62 |
| 5408 | 0.00 | 354.44 | 185.00 | 169.44 | 73.42 |
| 5409 | 0.00 | 392.79 | 205.00 | 187.79 | 81.38 |
| | | | | | |
| 5410 | 0.00 | 396.13 | 200.00 | 196.13 | 84.99 |
| 5411 | 0.00 | 396.05 | 202.00 | 194.05 | 84.09 |
| 5412 | 0.00 | 396.01 | 202.00 | 194.01 | 84.07 |
| 5413 | 0.00 | 395.91 | 190.00 | 205.91 | 89.23 |
| 5414 | 0.00 | 397.57 | 195.00 | 202.57 | 87.78 |
| 5415 | 0.00 | 400.56 | 185.00 | 215.56 | 93.41 |
| | | | | | |
| 5416 | 0.00 | 398.48 | 190.00 | 208.48 | 90.34 |
| 5417 | 0.00 | 400.34 | 185.00 | 215.34 | 93.31 |
| 5418 | 0.00 | 399.49 | 190.00 | 209.49 | 90.78 |
| | | | | | |

| 5419 | 0.00 | 399.25 | 190.00 | 209.25 | 90.68 |
|------|------|--------|--------|--------|-------|
| 5420 | 0.00 | 398.71 | 195.00 | 203.71 | 88.27 |
| 5421 | 0.00 | 398.18 | 190.00 | 208.18 | 90.21 |
| 5422 | 0.00 | 397.89 | 190.00 | 207.89 | 90.09 |
| | 0.00 | 397.68 | | | |
| 5423 | | | 190.00 | 207.68 | 89.99 |
| 5424 | 0.00 | 397.27 | 185.00 | 212.27 | 91.98 |
| 5425 | 0.00 | 397.25 | 185.00 | 212.25 | 91.98 |
| 5426 | 0.00 | 397.21 | 185.00 | 212.21 | 91.96 |
| 5427 | 0.00 | 396.19 | 185.00 | 211.19 | 91.51 |
| 5428 | 0.00 | 398.39 | 185.00 | | |
| | | | | 213.39 | 92.47 |
| 5429 | 0.00 | 397.30 | 185.00 | 212.30 | 92.00 |
| 5430 | 0.00 | 397.60 | 200.00 | 197.60 | 85.63 |
| 5431 | 0.00 | 397.61 | 200.00 | 197.61 | 85.63 |
| 5432 | 0.00 | 397.61 | 200.00 | 197.61 | 85.63 |
| 5433 | 0.00 | 397.20 | 185.00 | 212.20 | 91.95 |
| 5434 | 0.00 | 397.69 | 210.00 | 187.69 | 81.33 |
| 5435 | 0.00 | 397.67 | 210.00 | 187.67 | 81.32 |
| | | | | | |
| 5436 | 0.00 | 397.89 | 231.00 | 166.89 | 72.32 |
| 5437 | 0.00 | 397.89 | 200.00 | 197.89 | 85.75 |
| 5438 | 0.00 | 397.94 | 200.00 | 197.94 | 85.77 |
| 5439 | 0.00 | 397.90 | 231.00 | 166.90 | 72.32 |
| 5440 | 0.00 | 397.99 | 231.00 | 166.99 | 72.36 |
| 5441 | 0.00 | 397.99 | 231.00 | 166.99 | 72.36 |
| 5442 | 0.00 | 398.04 | 205.00 | 193.04 | 83.65 |
| | 0.00 | | | | |
| 5443 | | 398.15 | 210.00 | 188.15 | 81.53 |
| 5444 | 0.00 | 398.14 | 210.00 | 188.14 | 81.53 |
| 5445 | 0.00 | 398.03 | 205.00 | 193.03 | 83.65 |
| 5446 | 0.00 | 397.86 | 205.00 | 192.86 | 83.57 |
| 5447 | 0.00 | 398.29 | 210.00 | 188.29 | 81.59 |
| 5448 | 0.00 | 398.59 | 210.00 | 188.59 | 81.72 |
| 5449 | 0.00 | 398.76 | 210.00 | 188.76 | 81.80 |
| 5450 | 0.00 | 398.07 | 220.00 | 178.07 | 77.16 |
| | 0.00 | | | | |
| 5451 | | 398.94 | 205.00 | 193.94 | 84.04 |
| 5452 | 0.00 | 399.17 | 195.00 | 204.17 | 88.47 |
| 5453 | 0.00 | 399.25 | 195.00 | 204.25 | 88.51 |
| 5454 | 0.00 | 399.19 | 195.00 | 204.19 | 88.48 |
| 5455 | 0.00 | 399.11 | 195.00 | 204.11 | 88.45 |
| 5456 | 0.00 | 399.03 | 195.00 | 204.03 | 88.41 |
| 5457 | 0.00 | 398.81 | 195.00 | 203.81 | 88.32 |
| 5458 | 0.00 | 398.44 | 185.00 | 213.44 | 92.49 |
| | 0.00 | 399.18 | 195.00 | | |
| 5459 | | | | 204.18 | 88.48 |
| 5460 | 0.00 | 399.06 | 195.00 | 204.06 | 88.43 |
| 5461 | 0.00 | 398.68 | 210.00 | 188.68 | 81.76 |
| 5462 | 0.00 | 200.52 | 185.00 | 15.52 | 6.72 |
| 5463 | 0.00 | 216.46 | 190.00 | 26.46 | 11.47 |
| 5464 | 0.00 | 399.27 | 190.00 | 209.27 | 90.68 |
| 5465 | 0.00 | 399.18 | 185.00 | 214.18 | 92.81 |
| 5466 | 0.00 | 397.55 | 190.00 | 207.55 | 89.94 |
| 5467 | 0.00 | 397.56 | 190.00 | 207.56 | 89.94 |
| | | | | | |
| 5468 | 0.00 | 397.68 | 190.00 | 207.68 | 89.99 |
| 5469 | 0.00 | 397.92 | 195.00 | 202.92 | 87.93 |
| 5470 | 0.00 | 396.97 | 185.00 | 211.97 | 91.85 |
| 5471 | 0.00 | 395.05 | 185.00 | 210.05 | 91.02 |
| 5472 | 0.00 | 395.16 | 185.00 | 210.16 | 91.07 |
| 5473 | 0.00 | 394.89 | 185.00 | 209.89 | 90.95 |
| 5474 | 0.00 | 394.29 | 185.00 | 209.29 | 90.69 |
| | | | | | |
| 5475 | 0.00 | 394.90 | 190.00 | 204.90 | 88.79 |
| 5476 | 0.00 | 394.90 | 190.00 | 204.90 | 88.79 |
| 5477 | 0.00 | 394.29 | 185.00 | 209.29 | 90.69 |
| 5478 | 0.00 | 394.24 | 185.00 | 209.24 | 90.67 |
| 5479 | 0.00 | 393.88 | 185.00 | 208.88 | 90.51 |
| 5480 | 0.00 | 393.80 | 185.00 | 208.80 | 90.48 |
| 5481 | 0.00 | 394.20 | 185.00 | 209.20 | 90.65 |
| 5482 | 0.00 | 394.20 | 185.00 | 209.20 | 90.66 |
| | | | | | |
| 5483 | 0.00 | 394.20 | 185.00 | 209.20 | 90.66 |
| 5484 | 0.00 | 393.95 | 185.00 | 208.95 | 90.55 |
| 5485 | 0.00 | 393.94 | 185.00 | 208.94 | 90.54 |
| 5486 | 0.00 | 244.19 | 185.00 | 59.19 | 25.65 |
| 5487 | 0.00 | 297.15 | 185.00 | 112.15 | 48.60 |
| 5488 | 0.00 | 313.84 | 185.00 | 128.84 | 55.83 |
| 5489 | 0.00 | 289.02 | 185.00 | 104.02 | 45.08 |
| 2.03 | | | | | |

| 5490 | 0.00 | 313.84 | 185.00 | 128.84 | 55.83 |
|--------------|------|--------|--------|--------|--------|
| 5491 | 0.00 | 314.20 | 185.00 | 129.20 | 55.99 |
| 5492 | 0.00 | 315.02 | 195.00 | 120.02 | 52.01 |
| 5493 | 0.00 | 314.87 | 195.00 | 119.87 | 51.94 |
| 5494 | 0.00 | 325.29 | 190.00 | 135.29 | 58.62 |
| | | | | | |
| 5495 | 0.00 | 325.29 | 190.00 | 135.29 | 58.62 |
| 5496 | 0.00 | 455.00 | 190.00 | 265.00 | 114.83 |
| 5497 | 0.00 | 394.65 | 190.00 | 204.65 | 88.68 |
| 5498 | 0.00 | 325.29 | 190.00 | 135.29 | 58.62 |
| | | | | | |
| 5499 | 0.00 | 384.34 | 260.00 | 124.34 | 53.88 |
| 5500 | 0.00 | 383.32 | 290.00 | 93.32 | 40.44 |
| 5501 | 0.00 | 381.69 | 250.00 | 131.69 | 57.07 |
| 5502 | 0.00 | 379.52 | 300.00 | 79.52 | 34.46 |
| | 0.00 | | | | |
| 5503 | | 559.45 | 280.00 | 279.45 | 121.10 |
| 5505 | 0.00 | 562.45 | 300.00 | 262.45 | 113.73 |
| 5506 | 0.00 | 562.50 | 300.00 | 262.50 | 113.75 |
| 5507 | 0.00 | 544.87 | 319.00 | 225.87 | 97.88 |
| 5508 | 0.00 | 520.44 | 208.00 | 312.44 | 135.39 |
| | | | | | |
| 5509 | 0.00 | 444.20 | 212.00 | 232.20 | 100.62 |
| 5510 | 0.00 | 436.73 | 175.00 | 261.73 | 113.41 |
| 551 1 | 0.00 | 428.62 | 180.00 | 248.62 | 107.73 |
| 5512 | 0.00 | 423.50 | 190.00 | 233.50 | 101.19 |
| | | | | | |
| 5513 | 0.00 | 423.42 | 200.00 | 223.42 | 96.82 |
| 5514 | 0.00 | 429.64 | 180.00 | 249.64 | 108.18 |
| 5515 | 0.00 | 423.69 | 180.00 | 243.69 | 105.60 |
| 5516 | 0.00 | 384.84 | 240.00 | 144.84 | 62.77 |
| 5517 | 0.00 | | 240.00 | 144.55 | 62.64 |
| | | 384.55 | | | |
| 5518 | 0.00 | 376.11 | 281.00 | 95.11 | 41.22 |
| 5519 | 0.00 | 375.81 | 221.00 | 154.81 | 67.09 |
| 5520 | 0.00 | 375.74 | 220.00 | 155.74 | 67.49 |
| 5521 | 0.00 | 375.74 | 210.00 | 165.74 | 71.82 |
| | | | | | |
| 5522 | 0.00 | 375.74 | 220.00 | 155.74 | 67.49 |
| 5523 | 0.00 | 371.25 | 270.00 | 101.25 | 43.87 |
| 5524 | 0.00 | 360.09 | 230.00 | 130.09 | 56.37 |
| 5525 | 0.00 | 358.78 | 210.00 | 148.78 | 64.47 |
| 5526 | 0.00 | 358.77 | 210.00 | | 64.47 |
| | | | | 148.77 | |
| 5527 | 0.00 | 358.76 | 210.00 | 148.76 | 64.46 |
| 5528 | 0.00 | 358.53 | 210.00 | 148.53 | 64.36 |
| 5529 | 0.00 | 357.65 | 200.00 | 157.65 | 68.32 |
| 5530 | 0.00 | 353.60 | 210.00 | 143.60 | 62.23 |
| | 0.00 | 350.30 | 210.00 | | |
| 5531 | | | | 140.30 | 60.80 |
| 5532 | 0.00 | 349.05 | 210.00 | 139.05 | 60.26 |
| 5533 | 0.00 | 375.38 | 240.00 | 135.38 | 58.67 |
| 5534 | 0.00 | 375.38 | 240.00 | 135.38 | 58.66 |
| 5535 | 0.00 | 374.92 | 240.00 | 134.92 | 58.47 |
| | | | 250.00 | 123.62 | |
| 5536 | 0.00 | 373.62 | | | 53.57 |
| 5537 | 0.00 | 372.22 | 250.00 | 122.22 | 52.96 |
| 5538 | 0.00 | 372.74 | 250.00 | 122.74 | 53.19 |
| 5539 | 0.00 | 364.89 | 240.00 | 124.89 | 54.12 |
| 5540 | 0.00 | 352.51 | 200.00 | 152.51 | 66.09 |
| | | | | | |
| 5541 | 0.00 | 336.52 | 190.00 | 146.52 | 63.49 |
| 5542 | 0.00 | 314.71 | 190.00 | 124.71 | 54.04 |
| 5543 | 0.00 | 531.26 | 310.00 | 221.26 | 95.88 |
| 5544 | 0.00 | 523.51 | 315.00 | 208.51 | 90.35 |
| 5545 | 0.00 | 522.76 | 310.00 | 212.76 | 92.20 |
| | | | | | |
| 5546 | 0.00 | 518.43 | 315.00 | 203.43 | 88.15 |
| 5547 | 0.00 | 517.02 | 300.00 | 217.02 | 94.04 |
| 5548 | 0.00 | 516.97 | 300.00 | 216.97 | 94.02 |
| 5549 | 0.00 | 516.43 | 295.00 | 221.43 | 95.95 |
| | 0.00 | 514.86 | 295.00 | 219.86 | 95.27 |
| 5550 | | | | | |
| 5551 | 0.00 | 509.37 | 280.00 | 229.37 | 99.40 |
| 5552 | 0.00 | 509.37 | 280.00 | 229.37 | 99.39 |
| 5553 | 0.00 | 508.51 | 280.00 | 228.51 | 99.02 |
| 5554 | 0.00 | 505.11 | 225.00 | 280.11 | 121.38 |
| | | | | | |
| 5555 | 0.00 | 508.46 | 260.00 | 248.46 | 107.66 |
| 5556 | 0.00 | 508.24 | 270.00 | 238.24 | 103.24 |
| 5557 | 0.00 | 359.39 | 290.00 | 69.39 | 30.07 |
| 5558 | 0.00 | 359.35 | 290.00 | 69.35 | 30.05 |
| | | | | | |
| 5559 | 0.00 | 359.28 | 290.00 | 69.28 | 30.02 |
| 5560 | 0.00 | 359.28 | 290.00 | 69.28 | 30.02 |
| 5561 | 0.00 | 359.28 | 290.00 | 69.28 | 30.02 |
| | | | | | |

| 5562 | 0.00 | 359.15 | 290.00 | 69.15 | 29.96 |
|------|------|-----------------|--------|--------|--------|
| 5563 | 0.00 | 356.32 | 280.00 | 76.32 | 33.07 |
| 5564 | 0.00 | 356.30 | 280.00 | 76.30 | 33.06 |
| 5565 | 0.00 | 351.14 | 260.00 | 91.14 | 39.49 |
| 5566 | 0.00 | 351.13 | | | |
| | | | 260.00 | 91.13 | 39.49 |
| 5567 | 0.00 | 351.13 | 260.00 | 91.13 | 39.49 |
| 5568 | 0.00 | 351.12 | 260.00 | 91.12 | 39.49 |
| 5569 | 0.00 | 350.72 | 260.00 | 90.72 | 39.31 |
| 5570 | 0.00 | 466.83 | 264.00 | 202.83 | 87.89 |
| 5571 | 0.00 | 350.55 | 195.00 | 155.55 | 67.41 |
| 5572 | 0.00 | 351.85 | 260.00 | 91.85 | 39.80 |
| 5573 | 0.00 | 354.91 | 270.00 | 84.91 | 36.79 |
| 5574 | 0.00 | 354.53 | 260.00 | 94.53 | 40.96 |
| 5575 | 0.00 | 356.01 | 270.00 | 86.01 | 37.27 |
| 5576 | 0.00 | 355.90 | 270.00 | 85.90 | 37.23 |
| 5577 | 0.00 | 355.83 | 250.00 | | |
| | | | | 105.83 | 45.86 |
| 5578 | 0.00 | 518.46 | 269.00 | 249.46 | 108.10 |
| 5579 | 0.00 | 330.03 | 269.00 | 61.03 | 26.45 |
| 5580 | 0.00 | 361.10 | 250.00 | 111.10 | 48.14 |
| 5581 | 0.00 | 367.07 | 215.00 | 152.07 | 65.90 |
| 5582 | 0.00 | 370.56 | 190.00 | 180.56 | 78.24 |
| 5583 | 0.00 | 389.67 | 310.00 | 79.67 | 34.53 |
| 5584 | 0.00 | 389.91 | 310.00 | 79.91 | 34.63 |
| 5585 | 0.00 | 389.98 | 310.00 | 79.98 | 34.66 |
| 5586 | 0.00 | 389.82 | 318.00 | 71.82 | 31.12 |
| 5587 | 0.00 | 388.40 | 300.00 | 88.40 | 38.31 |
| 5588 | 0.00 | 386.98 | 300.00 | 86.98 | 37.69 |
| 5589 | 0.00 | 381.48 | 280.00 | 101.48 | 43.98 |
| 5590 | 0.00 | 380.25 | 280.00 | 100.25 | |
| 5591 | 0.00 | 376.54 | 290.00 | | 43.44 |
| | | | | 86.54 | 37.50 |
| 5592 | 0.00 | 374.99 | 212.00 | 162.99 | 70.63 |
| 5593 | 0.00 | 372.94 | 191.00 | 181.94 | 78.84 |
| 5594 | 0.00 | 367.09 | 216.00 | 151.09 | 65.47 |
| 5595 | 0.00 | 376.13 | 290.00 | 86.13 | 37.32 |
| 5596 | 0.00 | 375.90 | 290.00 | 85.90 | 37.22 |
| 5597 | 0.00 | 374.80 | 187.00 | 187.80 | 81.38 |
| 5598 | 0.00 | 373.50 | 230.00 | 143.50 | 62.19 |
| 5599 | 0.00 | 373. 1 1 | 220.00 | 153.11 | 66.35 |
| 5600 | 0.00 | 372.84 | 210.00 | 162.84 | 70.56 |
| 5601 | 0.00 | 372.40 | 200.00 | 172.40 | 74.71 |
| 5602 | 0.00 | 397.26 | 190.00 | 207.26 | 89.81 |
| 5603 | 0.00 | 372.27 | 200.00 | 172.27 | 74.65 |
| 5604 | 0.00 | 371.92 | 190.00 | 181.92 | 78.83 |
| 5605 | 0.00 | 371.04 | 185.00 | 186.04 | 80.62 |
| 5606 | 0.00 | 370.99 | 200.00 | 170.99 | 74.10 |
| 5607 | 0.00 | 369.19 | 240.00 | 129.19 | 55.98 |
| 5608 | 0.00 | 368.82 | 248.00 | 120.82 | 52.36 |
| 5609 | 0.00 | 359.80 | 261.00 | 98.80 | 42.81 |
| 5610 | 0.00 | 422.04 | 195.00 | 227.04 | 98.38 |
| 5611 | 0.00 | 421.67 | 190.00 | 231.67 | 100.39 |
| 5612 | 0.00 | 368.79 | 240.00 | 128.79 | 55.81 |
| | 0.00 | 368.55 | 210.00 | | |
| 5613 | | | | 158.55 | 68.71 |
| 5614 | 0.00 | 199.37 | 190.00 | 9.37 | 4.06 |
| 5615 | 0.00 | 314.15 | 185.00 | 129.15 | 55.96 |
| 5616 | 0.00 | 313.99 | 185.00 | 128.99 | 55.90 |
| 5617 | 0.00 | 394.71 | 190.00 | 204.71 | 88.71 |
| 5618 | 0.00 | 558.79 | 260.00 | 298.79 | 129.48 |
| 5619 | 0.00 | 558.42 | 260.00 | 298.42 | 129.32 |
| 5620 | 0.00 | 558.52 | 290.00 | 268.52 | 116.36 |
| 5621 | 0.00 | 433.52 | 180.00 | 253.52 | 109.86 |
| 5622 | 0.00 | 428.06 | 180.00 | 248.06 | 107.49 |
| 5623 | 0.00 | 427.22 | 180.00 | 247.22 | 107.13 |
| 5624 | 0.00 | 425.75 | 180.00 | 245.75 | 106.49 |
| 5625 | 0.00 | 423.18 | 200.00 | 223.18 | 96.71 |
| 5626 | 0.00 | 369.56 | 225.00 | 144.56 | 62.64 |
| 5627 | 0.00 | 369.46 | 235.00 | 134.46 | 58.26 |
| 5628 | 0.00 | 369.40 | 235.00 | 134.40 | 58.24 |
| | 0.00 | 368.22 | 200.00 | 168.22 | 72.89 |
| 5629 | 0.00 | | | | |
| 5630 | | 369.34 | 225.00 | 144.34 | 62.55 |
| 5631 | 0.00 | 369.30 | 225.00 | 144.30 | 62.53 |
| 5632 | 0.00 | 369.29 | 225.00 | 144.29 | 62.53 |

| - 400 | 0.00 | 260 02 | 200.00 | 140 00 | |
|-------|--------------------------|--------|------------------|--------|--------|
| 5633 | 0.00 | 369.23 | 220.00 | 149.23 | 64.67 |
| 5634 | 0.00 | 368.55 | 210.00 | 158.55 | 68.70 |
| 5635 | 0.00 | 368.45 | 200.00 | 168.45 | 72.99 |
| 5636 | 0.00 | 369.18 | 210.00 | 159.18 | 68.98 |
| 5637 | 0.00 | 369.19 | 210.00 | 159.19 | 68.98 |
| 5638 | 0.00 | 369.25 | 215.00 | 154.25 | 66.84 |
| 5639 | 0.00 | 369.25 | 215.00 | 154.25 | 66.84 |
| 5640 | 0.00 | 369.25 | 215.00 | 154.25 | 66.84 |
| 5641 | 0.00 | 369.21 | 215.00 | 154.21 | 66.82 |
| 5642 | 0.00 | 369.10 | 210.00 | 159.10 | 68.94 |
| 5643 | 0.00 | 369.12 | 215.00 | 154.12 | 66.78 |
| 5644 | 0.00 | 369.03 | 240.00 | 129.03 | 55.91 |
| 5645 | 0.00 | 368.96 | 240.00 | 128.96 | 55.88 |
| 5646 | 0.00 | 368.97 | 240.00 | 128.97 | 55.89 |
| 5647 | 0.00 | 368.98 | 240.00 | 128.98 | 55.89 |
| 5648 | 0.00 | 368.89 | 230.00 | 138.89 | 60.19 |
| 5649 | 0.00 | 368.86 | 210.00 | 158.86 | 68.84 |
| 5650 | 0.00 | 368.71 | 200.00 | 168.71 | 73.11 |
| | 0.00 | 421.36 | 190.00 | 231.36 | |
| 5651 | | | | | 100.25 |
| 5652 | 0.00 | 421.23 | 190.00 | 231.23 | 100.20 |
| 5653 | 0.00 | 421.23 | 190.00 | 231.23 | 100.20 |
| 5654 | 0.00 | 421.21 | 190.00 | 231.21 | 100.19 |
| 5655 | 0.00 | 421.19 | 190.00 | 231.19 | 100.18 |
| 5656 | 0.00 | 420.96 | 185.00 | 235.96 | 102.25 |
| 5657 | 0.00 | 420.87 | 185.00 | 235.87 | 102.21 |
| 5658 | 0.00 | 420.22 | 190.00 | 230.22 | 99.76 |
| 5659 | 0.00 | 420.20 | 190.00 | 230.20 | 99.75 |
| 5660 | 0.00 | 422.78 | 195.00 | 227.78 | 98.70 |
| 5661 | 0.00 | 562.42 | 300.00 | 262.42 | 113.72 |
| 5662 | 0.00 | 347.53 | 280.00 | 67.53 | 29.26 |
| 5663 | 0.00 | 504.12 | 300.00 | 204.12 | 88.45 |
| 5664 | 0.00 | 504.12 | 310.00 | 194.12 | 84.12 |
| 5665 | 0.00 | 371.46 | 190.00 | 181.46 | 78.63 |
| 5666 | 0.00 | 374.98 | 230.00 | 144.98 | 62.82 |
| 5667 | 0.00 | 487.75 | 400.00 | 87.75 | 38.02 |
| 5668 | 0.00 | 625.00 | 560.00 | 65.00 | 28.17 |
| 7000 | 0.98(0.98) | | 430.00 | 150.86 | 65.37 |
| 7001 | 0.98(0.98) | | 410.00 | 171.23 | 74.20 |
| 7002 | 0.98(0.98) | | 380.00 | 202.99 | 87.96 |
| 7002 | 0.98(0.98) | | 410.00 | 173.79 | 75.31 |
| | 0.98(0.98) | | 400.00 | 226.20 | 98.02 |
| 7004 | | | | | |
| 7005 | 0.98(0.98)
0.98(0.98) | | 530.00
540.00 | 94.89 | 41.12 |
| 7006 | | | | 84.85 | 36.77 |
| 7007 | 0.98(0.98) | | 445.00 | 205.56 | 89.08 |
| 7008 | 0.98(0.98) | | 400.00 | 89.69 | 38.87 |
| 7009 | 0.98(0.98) | | 300.00 | 268.56 | 116.38 |
| 7010 | 0.98(0.98) | | 390.00 | 176.90 | 76.66 |
| 7011 | 0.98(0.98) | | 280.00 | 286.13 | 123.99 |
| 7012 | 0.98(0.98) | | 310.00 | 252.52 | 109.42 |
| 7013 | 0.98(0.98) | 508.96 | 365.00 | 143.96 | 62.38 |
| 7014 | 0.98(0.98) | | 360.00 | 129.37 | 56.06 |
| 7015 | 0.98(0.98) | | 380.00 | 130.69 | 56.63 |
| 7016 | 0.98(0.98) | 506.67 | 320.00 | 186.67 | 80.89 |
| 7017 | 0.98(0.98) | 507.36 | 340.00 | 167.36 | 72.52 |
| 7018 | 0.98(0.98) | 510.27 | 370.00 | 140.27 | 60.78 |
| 7019 | 0.98(0.98) | 509.60 | 360.00 | 149.60 | 64.83 |
| 7020 | 0.98(0.98) | 509.19 | 360.00 | 149.19 | 64.65 |
| 7021 | 0.98(0.98) | 508.84 | 360.00 | 148.84 | 64.50 |
| 7022 | 0.98(0.98) | | 320.00 | 188.02 | 81.48 |
| 7023 | 0.98(0.98) | | 310.00 | 195.68 | 84.80 |
| 7024 | 0.98(0.98) | | 305.00 | 202.34 | 87.68 |
| 7025 | 0.98(0.98) | | 310.00 | 197.16 | 85.44 |
| 7023 | 0.98(0.98) | | 360.00 | 146.87 | 63.64 |
| 7026 | 0.98(0.98) | | 350.00 | 156.27 | 67.72 |
| | 0.98(0.98) | | 290.00 | | |
| 7028 | | | | 191.78 | 83.10 |
| 7029 | 0.98(0.98) | | 260.00 | 217.87 | 94.41 |
| 7030 | 0.98(0.98) | | 270.00 | 206.93 | 89.67 |
| 7031 | 0.98(0.98) | | 220.00 | 253.38 | 109.80 |
| 7032 | 0.98(0.98) | | 214.00 | 257.78 | 111.70 |
| 7033 | 0.98(0.98) | | 202.00 | 260.65 | 112.95 |
| 7034 | 0.98(0.98) | 479.03 | 330.00 | 149.03 | 64.58 |

| | 0 00 (0 00) | | | | |
|---------------|-------------|--------|--------|--------|--------|
| 7035 | 0.98(0.98) | 371.30 | 345.00 | 26.30 | 11.40 |
| 7036 | 0.98(0.98) | 530.82 | 326.00 | 204.82 | 88.75 |
| 7037 | 0.98(0.98) | 495 14 | 310.00 | 185.14 | 80.23 |
| | | | | | |
| 7038 | 0.98(0.98) | | 300.00 | 196.84 | 85.30 |
| 7039 | 0.98(0.98) | 543.34 | 300.00 | 243.34 | 105.45 |
| 7040 | 0.98(0.98) | 582.22 | 320.00 | 262.22 | 113.63 |
| | | | | | |
| 7041 | 0.98(0.98) | | 290.00 | 312.14 | 135.26 |
| 7042 | 0.98(0.98) | 585.51 | 290.00 | 295.51 | 128.06 |
| 7043 | 0.98(0.98) | 590.33 | 425.00 | 165.33 | 71.64 |
| | | | | | |
| 7044 | 0.98(0.98) | | 470.00 | 27.75 | 12.02 |
| 7045 | 0.98(0.98) | 479.71 | 275.00 | 204.71 | 88.71 |
| 7046 | 0.98(0.98) | 446.53 | 215.00 | 231.53 | 100.33 |
| 7047 | 0.98(0.98) | | 215.00 | 231.74 | 100.42 |
| | | | | | |
| 7048 | 0.98(0.98) | 446.46 | 210.00 | 236.46 | 102.47 |
| 7049 | 0.98(0.98) | 445.81 | 210.00 | 235.81 | 102.18 |
| 7050 | 0.98(0.98) | 443 58 | 210.00 | 233.58 | 101.22 |
| | | | | | |
| 7051 | 0.98(0.98) | | 225.00 | 218.29 | 94.59 |
| 7052 | 0.98(0.98) | 463.26 | 215.00 | 248.26 | 107.58 |
| 7053 | 0.98(0.98) | 463.22 | 215.00 | 248.22 | 107.56 |
| 7054 | 0.98(0.98) | | 260.00 | 194.31 | 84.20 |
| | | | | | |
| 7055 | 0.98(0.98) | | 270.00 | 183.73 | 79.62 |
| 7056 | 0.98(0.98) | 392.27 | 190.00 | 202.27 | 87.65 |
| 7057 | 0.98(0.98) | 421.75 | 185.00 | 236.75 | 102.59 |
| 7058 | 0.98(0.98) | | 185.00 | 236.89 | 102.65 |
| | | | | | |
| 7059 | 0.98(0.98) | 421.91 | 185.00 | 236.91 | 102.66 |
| 7060 | 0.98(0.98) | 421.53 | 185.00 | 236.53 | 102.50 |
| 7061 | 0.98(0.98) | 421 41 | 185.00 | 236.41 | 102.44 |
| | | | | | |
| 7062 | 0.98(0.98) | | 185.00 | 236.36 | 102.42 |
| 7063 | 0.98(0.98) | 397.88 | 200.00 | 197.88 | 85.75 |
| 7064 | 0.98(0.98) | 398.30 | 220.00 | 178.30 | 77.26 |
| 7065 | 0.98(0.98) | | 220.00 | 178.29 | 77.26 |
| | | | | | |
| 7067 | 0.98(0.98) | | 185.00 | 212.22 | 91.96 |
| 70 7 0 | 0.98(0.98) | 373.76 | 200.00 | 173.76 | 75.30 |
| 7071 | 0.98(0.98) | 373.71 | 220.00 | 153.71 | 66.61 |
| 7072 | 0.98(0.98) | | 380.00 | 284.25 | 123.17 |
| | | | | | |
| 7073 | 0.98(0.98) | 451.97 | 230.00 | 221.97 | 96.19 |
| 7074 | 0.98(0.98) | 508.20 | 260.00 | 248.20 | 107.56 |
| 7412 | 0.98(0.98) | 509.95 | 370.00 | 139.95 | 60.65 |
| | | | | | |
| 8001 | 0.98(0.98) | | 360.00 | 149.31 | 64.70 |
| 8002 | 0.98(0.98) | 517.02 | 310.00 | 207.02 | 89.71 |
| 8003 | 0.98(0.98) | 530.86 | 290.00 | 240.86 | 104.37 |
| 8004 | 0.98(0.98) | | 290.00 | 240.85 | 104.37 |
| | | | | | |
| 8005 | 0.98(0.98) | | 360.00 | 146.94 | 63.67 |
| 8006 | 0.98(0.98) | 507.64 | 300.00 | 207.64 | 89.98 |
| 8007 | 0.98(0.98) | 509.52 | 290.00 | 219.52 | 95.12 |
| 8008 | 0.98(0.98) | | 290.00 | 201.52 | 87.33 |
| | | | | | |
| 8009 | 0.98(0.98) | 389.43 | 210.00 | 179.43 | 77.75 |
| 8010 | 0.98(0.98) | 382.06 | 190.00 | 192.06 | 83.23 |
| 8011 | 0.98(0.98) | 379.33 | 190.00 | 189.33 | 82.04 |
| | | | _ | | |
| 8012 | 0.98(0.98) | | 210.00 | 175.94 | 76.24 |
| 8013 | 0.98(0.98) | | 210.00 | 175.94 | 76.24 |
| 8014 | 0.98(0.98) | 396.69 | 200.00 | 196.69 | 85.23 |
| 8016 | 0.98(0.98) | 356.68 | 185.00 | 171.68 | 74.39 |
| | 0.98(0.98) | | 185.00 | | |
| 8017 | | | | 212.66 | 92.15 |
| 8018 | 0.98(0.98) | | 220.00 | 148.87 | 64.51 |
| 8019 | 0.98(0.98) | 398.22 | 220.00 | 178.22 | 77.23 |
| 8020 | 0.98(0.98) | 397.64 | 200.00 | 197.64 | 85.64 |
| | 0.98(0.98) | | | | 85.63 |
| 8021 | | | 200.00 | 197.61 | |
| 8022 | 0.98(0.98) | | 298.00 | 81.52 | 35.32 |
| 8023 | 0.98(0.98) | 397.94 | 200.00 | 197.94 | 85.77 |
| 8024 | 0.98(0.98) | 488.80 | 360.00 | 128.80 | 55.81 |
| | 0.98(0.98) | | 200.00 | 174.16 | 75.47 |
| 8025 | | | | | |
| 8027 | 0.98(0.98) | | 200.00 | 197.60 | 85.63 |
| 8028 | 0.98(0.98) | 396.95 | 185.00 | 211.95 | 91.85 |
| 8029 | 0.98(0.98) | | 190.00 | 207.54 | 89.93 |
| | 0.98(0.98) | | | | |
| 8030 | | | 190.00 | 207.54 | 89.94 |
| 8031 | 0.98(0.98) | | 190.00 | 207.50 | 89.92 |
| 8032 | 0.98(0.98) | 564.03 | 300.00 | 264.03 | 114.41 |
| 8034 | 0.98(0.98) | | 190.00 | 207.54 | 89.93 |
| 8035 | 0.98(0.98) | | 195.00 | 202.86 | 87.91 |
| 0000 | 0.70(0.70) | 00،1در | エッコ・リリ | 242.00 | 0/.91 |

| 8036 | 0.98(0.98) | 397.50 | 190.00 | 207.50 | 89.92 |
|--|---|--|--|---|--|
| 8037 | 0.98(0.98) | 459.62 | 260.00 | 199.62 | 86.50 |
| 8038 | 0.98(0.98) | | | | |
| | | | 260.00 | 199.73 | 86.55 |
| 8039 | 0.98(0.98) | 472.37 | 290.00 | 182.37 | 79.03 |
| 8040 | 0.98(0.98) | 395.90 | 185.00 | 210.90 | 91.39 |
| 8041 | 0.98(0.98) | | 185.00 | 210.86 | 91.37 |
| | | | | | |
| 8042 | 0.98(0.98) | | 185.00 | 210.87 | 91.38 |
| 8043 | 0.98(0.98) | 562.13 | 330.00 | 232.13 | 100.59 |
| 8044 | 0.98(0.98) | | 200.00 | 197.60 | 85.63 |
| | | | | | |
| 8045 | 0.98(0.98) | | 185.00 | 168.87 | 73.18 |
| 8046 | 0.98(0.98) | 518.31 | 315.00 | 203.31 | 88.10 |
| 8047 | 0.98(0.98) | | 390.00 | 118.73 | 51.45 |
| | | | | | |
| 8048 | 0.98(0.98) | | 240.00 | 221.40 | 95.94 |
| 8049 | 0.98(0.98) | 397.51 | 200.00 | 197.51 | 85.59 |
| 8050 | 0.98(0.98) | 444.78 | 280.00 | 164.78 | 71.40 |
| | 0.98(0.98) | | | | |
| 8051 | | | 448.00 | 198.97 | 86.22 |
| 8052 | 0.98(0.98) | 443.07 | 220.00 | 223.07 | 96.66 |
| 8053 | 0.98(0.98) | 398.73 | 205.00 | 193.73 | 83.95 |
| 8054 | 0.98(0.98) | | 235.00 | 134.43 | 58.25 |
| | | | | | |
| 8055 | 0.98(0.98) | | 190.00 | 178.21 | 77.23 |
| 8056 | 0.98(0.98) | 368.22 | 190.00 | 178.22 | 77.23 |
| 8057 | 0.98(0.98) | 368.20 | 190.00 | 178.20 | 77.22 |
| | 0.98(0.98) | | | 178.20 | 77.22 |
| 8058 | | | 190.00 | | |
| 8059 | 0.98(0.98) | 450.07 | 240.00 | 210.07 | 91.03 |
| 8060 | 0.98(0.98) | 627.13 | 470.00 | 157.13 | 68.09 |
| 8061 | 0.98(0.98) | | 220.00 | 225.60 | 97.76 |
| | | | | | |
| 8062 | 0.98(0.98) | | 190.00 | 182.16 | 78.94 |
| 8063 | 0.98(0.98) | 397.30 | 185.00 | 212.30 | 91.99 |
| 8064 | 0.98(0.98) | 506.69 | 320.00 | 186.69 | 80.90 |
| | 0.98(0.98) | | 220.00 | | |
| 8065 | | | | 178.08 | 77.17 |
| 8066 | 0.98(0.98) | | 310.00 | 221.83 | 96.12 |
| 8067 | 0.98(0.98) | 627.14 | 460.00 | 167.14 | 72.43 |
| 8068 | 0.98(0.98) | 380.02 | 190.00 | 190.02 | 82.34 |
| 8069 | 0.98(0.98) | | 350.00 | 157.35 | 68.18 |
| | | | | | |
| 8070 | 0.98(0.98) | | 180.00 | 241.77 | 104.77 |
| 8071 | 0.98(0.98) | 421.96 | 185.00 | 236.96 | 102.68 |
| 8072 | 0.98(0.98) | 490.03 | 330.00 | 160.03 | 69.35 |
| 8073 | 0.98(0.98) | | 350.00 | 196.42 | 85.12 |
| | | | | | |
| 8074 | 0.98(0.98) | | 370.00 | 120.02 | 52.01 |
| 8075 | 0.98(0.98) | | 330.00 | 237.88 | 103.08 |
| 9000 | 14.70(0.98) | 314.85 | 220.00 | 94.85 | 41.10 |
| 9001 | 24.50(0.98) | 313.82 | 220.00 | 93.82 | 40.65 |
| 9002 | 17.64(0.98) | | 190.00 | 123.81 | 53.65 |
| | | | | | |
| 9003 | 109.76(0.98) | | 190.00 | 123.26 | 53.41 |
| 9004 | 57.82(0.98) | 368.81 | 248.00 | 120.81 | 52.35 |
| 9005 | 26.46(0.98) | 427.98 | 180.00 | 247.98 | 107.46 |
| 9006 | 25.48(0.98) | 425 67 | 180.00 | 245.67 | 106.46 |
| | | | | | |
| 9007 | 162.68(0.98) | | 200.00 | 170.85 | 74.03 |
| 184-Pump-1 | 0.00 | 339.56 | 320.00 | 19.56 | 8.47 |
| 184-Pump-2 | 0.00 | 339.51 | 320.00 | 19.51 | 8.45 |
| Bron-Pump- | 0.00 | 489.32 | 390.00 | 99.32 | 43.04 |
| - | | | | | |
| BronPump-2 | 0.00 | 489.32 | 390.00 | 99.32 | 43.04 |
| Bronson-ES | | 511.00 | 390.00 | 121.00 | 52.43 |
| CrossRoad- | 0.00 | 369.93 | 350.00 | 19.93 | 8.64 |
| | 0.00 | 369.93 | 350.00 | 19,93 | |
| CrossRoad- | | | | | 8.64 |
| CrossRoad- | | 370.00 | 350.00 | 20.00 | 8.67 |
| FGN-AA | Mn <mdld-455 <="" td=""><td>200.00</td><td>190.00</td><td>10.00</td><td>4.33</td></mdld-455> | 200.00 | 190.00 | 10.00 | 4.33 |
| FGN-BB | Mn<83-D-455/ | 200.00 | 190.00 | 10.00 | 4.33 |
| FGN-LL | 184D-500/ | 500.00 | | 180.00 | 78.00 |
| | | | 320.00 | | |
| FGN-TT | Mn <ctyd-455 <="" td=""><td>455.00</td><td>190.00</td><td>265.00</td><td>114.83</td></ctyd-455> | 455.00 | 190.00 | 265.00 | 114.83 |
| Hemphill-T | | 420.00 | 280.00 | 140.00 | 60.67 |
| Hwy83 | CLMS-380/ | 390.00 | 310.00 | 80.00 | 34.67 |
| _ | | | 300.00 | 264.24 | 114.51 |
| | 0 00 | 564.24 | | | |
| Hwy83-1 | 0.00 | 564.24 | | 262 26 | 114 00 |
| Hwy83-2 | 0.00 | 563.26 | 300.00 | 263.26 | 114.08 |
| Hwy83-2
Hwy83-Plan | 0.00 | 563.26
370.00 | 300.00
300.00 | 70.00 | 30.33 |
| Hwy83-2 | 0.00 | 563.26 | 300.00 | | |
| Hwy83-2
Hwy83-Plan
J-1 | 0.00 | 563.26
370.00
384.13 | 300.00
300.00
210.00 | 70.00
174.13 | 30.33
75.45 |
| Hwy83-2
Hwy83-Plan
J-1
J-11 | 0.00

0.00
0.00 | 563.26
370.00
384.13
638.06 | 300.00
300.00
210.00
400.00 | 70.00
174.13
238.06 | 30.33
75.45
103.16 |
| Hwy83-2
Hwy83-Plan
J-1
J-11
J-18 | 0.00

0.00
0.00
0.00 | 563.26
370.00
384.13
638.06
489.32 | 300.00
300.00
210.00
400.00
390.00 | 70.00
174.13
238.06
99.32 | 30.33
75.45
103.16
43.04 |
| Hwy83-2
Hwy83-Plan
J-1
J-11
J-18
J-21 | 0.00

0.00
0.00
0.00
0.00 | 563.26
370.00
384.13
638.06
489.32
328.01 | 300.00
300.00
210.00
400.00
390.00
269.00 | 70.00
174.13
238.06
99.32
59.01 | 30.33
75.45
103.16
43.04
25.57 |
| Hwy83-2
Hwy83-Plan
J-1
J-11
J-18
J-21
J-22 | 0.00

0.00
0.00
0.00
0.00
0.00 | 563.26
370.00
384.13
638.06
489.32
328.01
562.53 | 300.00
300.00
210.00
400.00
390.00
269.00
300.00 | 70.00
174.13
238.06
99.32
59.01
262.53 | 30.33
75.45
103.16
43.04
25.57
113.76 |
| Hwy83-2
Hwy83-Plan
J-1
J-11
J-18
J-21 | 0.00

0.00
0.00
0.00
0.00 | 563.26
370.00
384.13
638.06
489.32
328.01 | 300.00
300.00
210.00
400.00
390.00
269.00 | 70.00
174.13
238.06
99.32
59.01 | 30.33
75.45
103.16
43.04
25.57 |

| J-29 | | 0.00 | 571.62 | 325.00 | 246.62 | 106.87 |
|-----------------------|--------------|------|------------------|------------------|----------------|---------------|
| J-3 | | 0.00 | 510.20 | 390.00 | 120.20 | 52.09 |
| J-34 | | 0.00 | 370.87 | 300.00 | 70.87 | 30.71 |
| J-37 | | 0.00 | 562.55 | 300.00 | 262.55 | 113.77 |
| J-44 | | 0.00 | 199.93 | 190.00 | 9.93 | 4.30 |
| J-45 | | 0.00 | 547.60 | 350.00 | 197.60 | 85.63 |
| J-53 | | 0.00 | 394.82 | 190.00 | 204.82 | 88.76 |
| J-63 | | 0.00 | 648.45 | 320.00 | 328.45 | 142.33 |
| J-69 | | 0.00 | 490.86 | 340.00 | 150.86 | 65.37 |
| J-8 | | 0.00 | 410.43 | | | |
| JimNethery | | | 396.00 | 380.00 | 16.00 | 6.93 |
| JimNethery | | 0.00 | 692.45 | 380.00 | 312.45 | 135.39 |
| JimNethery | | 0.00 | 692.45 | 380.00 | 312.45 | 135.39 |
| King-1 | | 0.00 | 327.79 | 269.00 | 58.79 | 25.48 |
| King-2 | | 0.00 | 327.66 | 269.00 | 58.66 | 25.42 |
| McMahan
McMahan-1 | | 0.00 | 410.00
409.99 | 400.00
400.00 | 10.00 | 4.33 |
| McMahan-2 | | 0.00 | 409.99 | 400.00 | 9.99
9.99 | 4.33
4.33 |
| Midlake | | ~ | 200.00 | 185.00 | 15.00 | 6.50 |
| Midlake-1 | | 0.00 | 401.47 | 185.00 | 216.47 | 93.80 |
| Midlake-2 | | 0.00 | 401.46 | 185.00 | 216.46 | 93.80 |
| Payne-1 | | 0.00 | 672.89 | 400.00 | 272.89 | 118.25 |
| Payne 2 | | 0.00 | 487.73 | 400.00 | 87.73 | 38.01 |
| Pipe-Plant | RdH-S/D-510/ | | 510.00 | 440.00 | 70.00 | 30.33 |
| Plant-A5 | 2,2 0-0, | | 625.00 | 560.00 | 65.00 | 28.17 |
| PRV-1 | | 0.00 | 672.87 | 400.00 | 272.87 | 118.25 |
| Pump-1 | | 0.00 | 401.45 | 185.00 | 216.45 | 93.79 |
| R-1 | | | 360.00 | 261.00 | 99.00 | 42.90 |
| R-2 | | | 347.00 | 261.00 | 86.00 | 37.27 |
| T-1 | | | 340.00 | 320.00 | 20.00 | 8.67 |
| Tebo | | | 348.00 | 325.00 | 23.00 | 9.97 |
| Tebo-1 | | 0.00 | 571.62 | 325.00 | 246.62 | 106.87 |
| Tebo-2 | | 0.00 | 571.62 | 325.00 | 246.62 | 106.87 |
| WTHwy83-1 | | 0.00 | 199.92 | 190.00 | 9.92 | 4.30 |
| WTHyw83-2 | | 0.00 | 199.93 | 190.00 | 9.93 | 4.30 |
| WTMidlake- | | 0.00 | 199.27 | 190.00 | 9.27 | 4.02 |
| WTMidlake- | | 0.00 | 199.29 | 190.00 | 9.29 | 4.02 |
| 184-Pump-1 | | 0.00 | 648.89 | 320.00 | 328.89 | 142.52 |
| 184-Pump-2 | | 0.00 | 648.86 | 320.00 | 328.86 | 142.51 |
| Bron-Pump- | | 0.00 | 511.00 | 390.00 | 121.00 | 52.43 |
| BronPump-2 | | 0.00 | 511.00 | 390.00 | 121.00 | 52.43 |
| CrossRoad- | | 0.00 | 547.67 | 350.00 | 197.67 | 85.66 |
| CrossRoad- | | 0.00 | 547.67 | 350.00 | 197.67 | 85.66 |
| Hwy83-1 | | 0.00 | 368.88
368.97 | 300.00 | 68.88 | 29.85 |
| Hwy83-2
JimNethery | | 0.00 | 395.80 | 300.00
380.00 | 68.97
15.80 | 29.89
6.85 |
| JimNethery | | 0.00 | 395.80 | 380.00 | 15.80 | 6.85 |
| King-1 | | 0.00 | 518.68 | 269.00 | 249.68 | 108.19 |
| King-2 | | 0.00 | 518.78 | 269.00 | 249.78 | 108.24 |
| McMahan-1 | | 0.00 | 638.07 | 400.00 | 238.07 | 103.16 |
| McMahan-2 | | 0.00 | 638.07 | 400.00 | 238.07 | 103.16 |
| Midlake-1 | | 0.00 | 199.80 | 185.00 | 14.80 | 6.42 |
| Midlake-2 | | 0.00 | 199.80 | 185.00 | 14.80 | 6.42 |
| Payne-1 | | 0.00 | 487.72 | 400.00 | 87.72 | 38.01 |
| Payne-2 | | 0.00 | 672.90 | 400.00 | 272.90 | 118.26 |
| PRV-1 | | | 672.87 | 400.00 | 272.87 | 118.25 |
| Pump-1 | | 0.00 | 199.82 | 185.00 | 14.82 | 6.42 |
| Tebo-1 | | 0.00 | 347.99 | 325.00 | 22.99 | 9.96 |
| Tebo-2 | | 0.00 | 347.99 | 325.00 | 22.99 | 9.96 |
| WTHwy83-1 | | 0.00 | 394.83 | 190.00 | 204.83 | 88.76 |
| WTHyw83-2 | | 0.00 | 394.83 | 190.00 | 204.83 | 88.76 |
| WTMidlake- | | 0.00 | 325.43 | 190.00 | 135.43 | 58.69 |
| WTMidlake- | | 0.00 | 325.39 | 190.00 | 135.39 | 58.67 |
| | | | | | | |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| 5391 | 172.63 | WTMidlake-1 | 4.02 |
| 5264 | 171.39 | WTMidlake-2 | 4.02 |
| 5291 | 167.15 | 5614 | 4.06 |
| 5276 | 163.07 | WTHwy83-1 | 4.30 |
| 5265 | 159.52 | WTHyw83-2 | 4.30 |
| 5061 | 159.22 | J-44 | 4.30 |
| 5292 | 156.99 | McMahan-1 | 4.33 |
| 2011 | 156.03 | McMahan-2 | 4.33 |
| 5266 | 155.86 | 5035 | 4.33 |
| 2417 | 153.96 | 5036 | 4.33 |
| 2251 | 153.20 | FGN-AA | 4.33 |
| 1329 | 153.20 | FGN-BB | 4.33 |
| 2445 | 153.18 | McMahan | 4.33 |
| 2391 | 153.15 | 5034 | 5.56 |
| 2703 | 153.11 | Midlake-2 | 6.42 |
| 2420 | 153.10 | Midlake-1 | 6.42 |
| 1897 | 153.09 | Pump-1 | 6.42 |
| 230 | 152.62 | Midlake | 6.50 |
| 5267 | 152.11 | 5462 | 6.72 |
| 2141 | 151.45 | JimNethery- | 6.85 |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| 1340 | 163.95 | 1837 | 0.00 |
| P-2902 | 39.90 | 2085 | 0.00 |
| P-2954 | 39.90 | 248 | 0.00 |
| P-2928 | 8.11 | 1262 | 0.00 |
| 2116 | 6.61 | 1656 | 0.00 |
| P-2140 | 6.44 | 2498 | 0.01 |
| P-2932 | 6.44 | 2503 | 0.01 |
| 2103 | 5.97 | 2537 | 0.01 |
| 2104 | 5.97 | 1995 | 0.01 |
| 2108 | 5.97 | 909 | 0.01 |
| 2112 | 5.97 | 1089 | 0.01 |
| 2102 | 5.96 | 1691 | 0.01 |
| 1950 | 5.94 | 1712 | 0.01 |
| 2101 | 5.94 | 2045 | 0.01 |
| P-2925 | 5.94 | 1988 | 0.01 |
| P-1949 | 5.79 | 2497 | 0.01 |
| P-2933 | 5.79 | 1964 | 0.01 |
| 201 | 5.21 | 1774 | 0.01 |
| 202 | 5.18 | 1820 | 0.01 |
| 203 | 5.18 | 2752 | 0.02 |
| | | | |

H L / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| 1340 | 8000.01 | 1837 | 0.00 |
| P-2954 | 583.94 | 248 | 0.00 |
| P-2902 | 583.94 | 2085 | 0.00 |
| P-2140 | 31.97 | 2498 | 0.00 |
| P-2932 | 31.97 | 2503 | 0.00 |
| P-2928 | 30.53 | 2537 | 0.00 |
| 2252 | 27.79 | 1262 | 0.00 |
| 2785 | 2 7. 79 | 1656 | 0.00 |
| 2253 | 27.79 | 2497 | 0.00 |
| P-1949 | 26.30 | 909 | 0.00 |
| P-2933 | 26.30 | 1089 | 0.00 |
| 201 | 21.59 | 1691 | 0.00 |
| 207 | 21.40 | 1712 | 0.00 |

| 202 | 21.40 | 2045 | 0.00 |
|--------|-------|------|------|
| 203 | 21.40 | 1995 | 0.00 |
| P-2915 | 21.40 | 1774 | 0.00 |
| 2116 | 20.93 | 366 | 0.00 |
| 1348 | 18.49 | 944 | 0.00 |
| 2103 | 17.30 | 1087 | 0.00 |
| 2104 | 17.30 | 1088 | 0.00 |

REGULATING VALVE REPORT

| VALVE
LABEL | VALVE
TYPE | VALVE | VALVE
STATUS | | DOWNSTREAM | | |
|----------------|---------------|-----------------------|-----------------|-------------------|-------------------|-------|--|
| LABEL | TIPE | SETTING
(psi or gp | | PRESSURE
(psi) | PRESSURE
(psi) | (abw) | |
| PRV-1 | PSV | 20.00 | WIDE OPEN | 118.25 | 118.25 | 11.76 | |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
- (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| NODE
NAME | FLOWRATE (gpm) | NODE
TITLE |
|--------------------|----------------|-------------------------------------|
| Bronson-EST | 158.76 | |
| CrossRoad-T | -3.11 | |
| FGN-AA | 582.72 | Mn <mdld-455 <="" td=""></mdld-455> |
| FGN-BB | 123.18 | Mn<83-D-455/ |
| FGN-LL | 14449.44 | 184D-500/ |
| FGN-TT | 0.00 | Mn <ctyd-455 <="" td=""></ctyd-455> |
| Hemphill-Ta - | 10933.26 | |
| Hwy83 | 509.11 | CLMS-380/ |
| Hwy83-Plant | 366.82 | |
| JimNethery | 359.75 | |
| McMahan | 138.96 | |
| Midlake | 190.65 | |
| Pipe-Plant- | 23.86 | RdH-S/D-510/ |
| Plant-A5 | -53.07 | |
| R-1 | 41.16 | |
| R-2 | -136.71 | |
| T-1 | -3116.26 | |
| Tebo | -141.23 | |
| | | |
| NET SYSTEM INFLOW | = 16944.39 | |
| NET SYSTEM OUTFLOW | 7 = -14383.65 | |
| NET SYSTEM DEMAND | = 2560.71 | |

***** HYDRAULIC ANALYSIS COMPLETED *****

* * * * * * * * * * * KYPIPE4 * * * * * * * * *

University of Kentucky Network Modeling Software

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INPUT DATA FILENAME ------ C:\JENNIF~1\GM_2050.DT2
TABULATED OUTPUT FILENAME ----- C:\JENNIF~1\GM_2050.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF~1\GM_2050.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet PRESSURE = psig

REGULATING VALVE DATA

| VALVE | VALVE | VALVE |
|-------|-------|-------------|
| LABEL | TYPE | SETTING |
| | | (ft or gpm) |
| PRV-1 | PSV | 446.15 |

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| P | ΙP | E | NODE | NODE NAMES LENGT | | DIAMETER | ROUGHNESS | MINOR | |
|-----|-----|----|------|------------------|---------|----------|-----------|-------------|--|
| N A | A M | E | #1 | #2 | (ft) | (in) | COEFF. | LOSS COEFF. | |
| | | 1 | 2675 | 133 | 1060.00 | 2.00 | 150.0000 | 0.00 | |
| | | 2 | 133 | 5001 | 953.00 | 2.00 | 150.0000 | 0.00 | |
| | | 3 | 5001 | 357 | 1334.00 | 2.00 | 150.0000 | 0.00 | |
| | | 4 | 357 | 2123 | 983.00 | 2.00 | 150.0000 | 0.00 | |
| | | 5 | 5002 | 5003 | 1158.00 | 3.00 | 150.0000 | 0.00 | |
| | | 6 | 5003 | 1794 | 480.00 | 2.00 | 150.0000 | 0.00 | |
| | | 7 | 5003 | 71 | 272.00 | 3.00 | 150.0000 | 0.00 | |
| | | 8 | 71 | 74 | 530.00 | 3.00 | 150.0000 | 0.00 | |
| | | 9 | 74 | 682 | 150.00 | 3.00 | 150.0000 | 0.00 | |
| | : | 10 | 682 | 70 | 220.00 | 3.00 | 150.0000 | 0.00 | |
| | | 11 | 5011 | 1888 | 1588.00 | 2.00 | 150.0000 | 0.00 | |
| | : | 12 | 1888 | 5004 | 1675.00 | 2.50 | 150.0000 | 0.00 | |
| | : | 13 | 5004 | 365 | 997.00 | 2.50 | 150.0000 | 0.00 | |
| | | L4 | 365 | 5005 | 484.00 | 2.50 | 150.0000 | 0.00 | |
| | | 15 | 5005 | 5006 | 1255.00 | 1.00 | 150.0000 | 0.00 | |
| | : | 16 | 5005 | 5007 | 393.00 | 2.50 | 150.0000 | 0.00 | |
| | : | 17 | 5007 | 5008 | 3046.00 | 2.50 | 150.0000 | 0.00 | |
| | : | 18 | 5008 | 908 | 886.00 | 2.50 | 150.0000 | 0.00 | |
| | : | 19 | 908 | 5009 | 1010.00 | 2.50 | 150.0000 | 0.00 | |
| | : | 20 | 5009 | 631 | 1344.00 | 2.50 | 150.0000 | 0.00 | |
| | : | 21 | 631 | 630 | 376.00 | 2.50 | 150.0000 | 0.00 | |
| | : | 22 | 5002 | 979 | 98.00 | 4.00 | 150.0000 | 0.00 | |
| | : | 23 | 979 | 611 | 590.00 | 4.00 | 150.0000 | 0.00 | |
| | : | 24 | 611 | 5010 | 140.00 | 4.00 | 150.0000 | 0.00 | |

| 25 | 70 | 5011 | 634.00 | 3.00 | 150.0000 | 0.00 |
|----|------|------|---------|------|----------|------|
| 26 | 5010 | 7000 | 68.00 | 4.00 | 150.0000 | 0.00 |
| 27 | 7000 | 7001 | 1747.00 | 4.00 | 150.0000 | 0.00 |
| 28 | | 1321 | 894.00 | | | |
| | 7001 | | | 4.00 | 150.0000 | 0.00 |
| 29 | 5012 | 111 | 1174.00 | 2.00 | 150.0000 | 0.00 |
| 30 | 111 | 880 | 131.00 | 2.00 | 150.0000 | 0.00 |
| 31 | 5012 | 552 | 1109.00 | 4.00 | 150.0000 | 0.00 |
| 32 | 62 | 174 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 33 | 174 | 938 | 584.00 | 2.00 | 150.0000 | 0.00 |
| 34 | 938 | 629 | 47.00 | 2.00 | 150.0000 | 0.00 |
| 35 | 552 | 150 | 1016.00 | 4.00 | 150.0000 | 0.00 |
| 36 | 150 | 7002 | 1469.00 | 4.00 | 150.0000 | 0.00 |
| 37 | 7002 | 5013 | 1461.00 | 4.00 | 150.0000 | 0.00 |
| 38 | 5013 | 5014 | 4729.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 39 | 5014 | 5015 | 2397.00 | 4.00 | 150.0000 | 0.00 |
| 40 | 5015 | 1693 | 107.00 | 4.00 | 150.0000 | 0.00 |
| 41 | 1693 | 345 | 1022.00 | 2.00 | 150.0000 | 0.00 |
| 42 | 345 | 1138 | 1034.00 | 2.00 | 150.0000 | 0.00 |
| 43 | 5015 | 848 | 1291.00 | 4.00 | 150.0000 | 0.00 |
| 44 | 848 | 5016 | 638.00 | 4.00 | 150.0000 | 0.00 |
| 45 | 5016 | 409 | 645.00 | 4.00 | 150.0000 | 0.00 |
| 46 | 409 | 397 | 550.00 | 4.00 | 150.0000 | 0.00 |
| 47 | 397 | 5017 | 301.00 | 3.00 | 150.0000 | 0.00 |
| 48 | 5017 | 5018 | 1203.00 | 3.00 | 150.0000 | 0.00 |
| 49 | 5018 | 588 | 839.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 50 | 588 | 5019 | 2347.00 | 3.00 | 150.0000 | 0.00 |
| 51 | 5019 | 5020 | 866.00 | 3.00 | 150.0000 | 0.00 |
| 52 | 5020 | 5022 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 53 | 5020 | 5021 | 464.00 | 3.00 | 150.0000 | 0.00 |
| 54 | 5022 | 976 | 286.00 | 1.00 | 150.0000 | 0.00 |
| 55 | 5022 | 444 | 1785.00 | 2.00 | 150.0000 | 0.00 |
| 56 | 444 | 1968 | 446.00 | 1.00 | 150.0000 | 0.00 |
| 57 | 5021 | 5024 | 410.00 | 3.00 | 150.0000 | 0.00 |
| 58 | 5024 | 975 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 59 | 641 | 2249 | 2015.00 | 2.00 | 150.0000 | 0.00 |
| 60 | 5024 | 1981 | 294.00 | 2.00 | 150.0000 | 0.00 |
| 61 | 5013 | 5023 | 484.00 | 6.00 | 150.0000 | 0.00 |
| 62 | 5023 | 7003 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 63 | 7003 | 1912 | 325.00 | 2.00 | 150.0000 | 0.00 |
| 64 | 1912 | 1464 | 1152.00 | 2.00 | 150.0000 | 0.00 |
| 65 | 1464 | 5025 | 3141.00 | 2.00 | 150.0000 | 0.00 |
| 66 | 5025 | 5026 | 1155.00 | 2.00 | 150.0000 | 0.00 |
| 67 | 5023 | 966 | 2369.00 | 6.00 | 150.0000 | 0.00 |
| 68 | 966 | 1352 | 976.00 | 6.00 | 150.0000 | 0.00 |
| 69 | | 5027 | 1154.00 | 6.00 | 150.0000 | |
| | 1352 | | | | | 0.00 |
| 70 | 5027 | 5030 | 2178.00 | 6.00 | 150.0000 | 0.00 |
| 71 | 5027 | 5031 | 3518.00 | 6.00 | 150.0000 | 0.00 |
| 72 | 5031 | 842 | 437.00 | 6.00 | 150.0000 | 0.00 |
| 73 | 842 | 847 | 2056.00 | 6.00 | 150.0000 | 0.00 |
| 74 | 847 | 5028 | 3910.00 | 6.00 | 150.0000 | 0.00 |
| 75 | 5028 | 5029 | 126.00 | 6.00 | 150.0000 | 0.00 |
| 76 | 5311 | 2205 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 77 | 5028 | 2112 | 3133.00 | 2.00 | 150.0000 | 0.00 |
| 78 | 2112 | 1397 | 2115.00 | 2.00 | 150.0000 | 0.00 |
| 79 | 1397 | 2147 | 1218.00 | 2.00 | 150.0000 | 0.00 |
| 80 | 2147 | 7004 | 2823.00 | 2.00 | 150.0000 | 0.00 |
| 81 | 7004 | 5032 | 1363.00 | 2.50 | 150.0000 | 0.00 |
| 82 | 5032 | 792 | 705.00 | 2.00 | 150.0000 | 0.00 |
| 83 | 5032 | 1884 | 652.00 | 2.00 | 150.0000 | 0.00 |
| | 5029 | | | | | |
| 84 | | 549 | 717.00 | 2.00 | 150.0000 | 0.00 |
| 85 | 549 | 1276 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 86 | 5029 | 1293 | 718.00 | 6.00 | 150.0000 | 0.00 |
| 89 | 5035 | 5036 | 2456.00 | 2.00 | 150.0000 | 0.00 |
| 90 | 5034 | 801 | 1178.00 | 4.00 | 150.0000 | 0.00 |
| 91 | 801 | 434 | 240.00 | 4.00 | 150.0000 | 0.00 |
| 92 | 434 | 5037 | 1377.00 | 4.00 | 150.0000 | 0.00 |
| 93 | 5037 | 4 | 4096.00 | 2.00 | 150.0000 | 0.00 |
| 94 | 4 | 5038 | 927.00 | 2.00 | 150.0000 | 0.00 |
| 95 | 5038 | 1409 | 218.00 | 2.00 | 150.0000 | 0.00 |
| 96 | 5038 | 474 | 743.00 | 2.00 | 150.0000 | 0.00 |
| 97 | 5037 | 5039 | 386.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |

| 98 | 5039 | 1107 | 561.00 | 2.00 | 150.0000 | 0.00 |
|-----|------|------|---------|------|----------|------|
| 99 | 5039 | 5570 | 2191.00 | 4.00 | 150.0000 | 0.00 |
| 100 | 1467 | 808 | 1492.00 | 4.00 | 150.0000 | 0.00 |
| 101 | 5041 | 5042 | 3024.00 | 4.00 | 150.0000 | 0.00 |
| 102 | 5042 | 2009 | 1924.00 | 4.00 | 150.0000 | 0.00 |
| 103 | 2009 | 2381 | 196.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 104 | 2381 | 870 | 3332.00 | 4.00 | 150.0000 | 0.00 |
| 105 | 870 | 5043 | 42.00 | 4.00 | 150.0000 | 0.00 |
| 106 | 5043 | 506 | 513.00 | 6.00 | 150.0000 | 0.00 |
| 107 | 5043 | 468 | 686.00 | 6.00 | 150.0000 | 0.00 |
| 108 | 506 | 5044 | 714.00 | 6.00 | 150.0000 | 0.00 |
| 109 | 5044 | 5054 | 400.00 | 2.00 | 150.0000 | 0.00 |
| 110 | 5055 | 2067 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 111 | 5055 | 8060 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 112 | 5044 | 5045 | 185.00 | 6.00 | 150.0000 | 0.00 |
| 113 | 5045 | 443 | 391.00 | 6.00 | 150.0000 | 0.00 |
| 114 | 443 | 2550 | 292.00 | 6.00 | 150.0000 | 0.00 |
| 115 | 2550 | 977 | 509.00 | 6.00 | 150.0000 | 0.00 |
| 116 | 977 | 5046 | 2952.00 | 6.00 | 150.0000 | 0.00 |
| 117 | 5046 | 1126 | 498.00 | 2.00 | 150.0000 | 0.00 |
| 118 | 1126 | 1646 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 119 | 5046 | 5047 | 1988.00 | 6.00 | 150.0000 | 0.00 |
| 120 | 5668 | 2539 | 1193.00 | 6.00 | 150.0000 | 0.00 |
| 121 | 2539 | 917 | 372.00 | 6.00 | 150.0000 | 0.00 |
| | | | | 6.00 | 150.0000 | |
| 122 | 917 | 2480 | 188.00 | | | 0.00 |
| 123 | 2480 | 1134 | 2458.00 | 6.00 | 150.0000 | 0.00 |
| 124 | 1134 | 404 | 1907.00 | 6.00 | 150.0000 | 0.00 |
| 125 | 404 | 7005 | 488.00 | 3.00 | 150.0000 | 0.00 |
| 126 | 7005 | 7006 | 473.00 | 3.00 | 150.0000 | 0.00 |
| 127 | 5045 | 194 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 128 | 194 | 1434 | 523.00 | 2.00 | 150.0000 | 0.00 |
| 129 | 1434 | 715 | 900.00 | 2.00 | 150.0000 | 0.00 |
| 131 | 7006 | 2025 | 743.00 | 2.50 | 150.0000 | 0.00 |
| 132 | 2025 | 1885 | 1116.00 | 2.50 | 150.0000 | 0.00 |
| 133 | 1885 | 1013 | 829.00 | 2.50 | 150.0000 | 0.00 |
| 134 | 1013 | 1142 | 232.00 | 2.50 | 150.0000 | 0.00 |
| 135 | 5054 | 5055 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 136 | 5055 | 2040 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 137 | 5054 | 8067 | 492.00 | 2.00 | 150.0000 | 0.00 |
| 138 | 468 | 2721 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 139 | 2721 | 2646 | 176.00 | 6.00 | 150.0000 | 0.00 |
| 140 | 2646 | 1809 | 209.00 | 6.00 | 150.0000 | 0.00 |
| 141 | 1809 | 2337 | 1114.00 | 6.00 | 150.0000 | 0.00 |
| 142 | 2337 | 795 | 414.00 | 6.00 | 150.0000 | 0.00 |
| 143 | 795 | 2691 | 16.00 | 6.00 | 150.0000 | 0.00 |
| 144 | 2691 | 8051 | 2115.00 | 6.00 | 150.0000 | 0.00 |
| 145 | 8051 | 2043 | 72.00 | 6.00 | 150.0000 | 0.00 |
| 146 | 2043 | 2016 | 95.00 | 6.00 | 150.0000 | 0.00 |
| 147 | 2016 | 1227 | 409.00 | | 150.0000 | 0.00 |
| | | | | 6.00 | | |
| 148 | 1227 | 5056 | 303.00 | 6.00 | 150.0000 | 0.00 |
| 149 | 7007 | 472 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 150 | 5056 | 7007 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 151 | 5056 | 2344 | 268.00 | 6.00 | 150.0000 | 0.00 |
| 152 | 2344 | 2029 | 2784.00 | 6.00 | 150.0000 | 0.00 |
| 153 | 2029 | 2554 | 1554.00 | 6.00 | 150.0000 | 0.00 |
| 154 | 2554 | 2203 | 340.00 | 6.00 | 150.0000 | 0.00 |
| 155 | 2203 | 1562 | 220.00 | 6.00 | 150.0000 | 0.00 |
| 156 | 1562 | 5048 | 93.00 | 6.00 | 150.0000 | 0.00 |
| 158 | 5667 | 1439 | 261.00 | 6.00 | 150.0000 | 0.00 |
| 159 | 1439 | 5057 | 123.00 | 6.00 | 150.0000 | 0.00 |
| 160 | 5057 | 7008 | 25.00 | 6.00 | 150.0000 | 0.00 |
| 161 | 7008 | 595 | 582.00 | 6.00 | 150.0000 | 0.00 |
| 162 | 595 | 956 | 175.00 | 6.00 | 150.0000 | 0.00 |
| 163 | 956 | 5049 | 2072.00 | 6.00 | 150.0000 | 0.00 |
| 164 | 5049 | 1900 | 465.00 | 6.00 | 150.0000 | 0.00 |
| 165 | 1900 | 796 | 1828.00 | 6.00 | 150.0000 | 0.00 |
| 166 | 796 | 5050 | 400.00 | 6.00 | 150.0000 | 0.00 |
| | 5050 | 5050 | 507.00 | 2.50 | 150.0000 | 0.00 |
| 167 | | | | | | |
| 168 | 5051 | 5052 | 880.00 | 2.50 | 150.0000 | 0.00 |
| 169 | 5052 | 5053 | 1008.00 | 2.50 | 150.0000 | 0.00 |
| 170 | 5053 | 2699 | 786.00 | 2.50 | 150.0000 | 0.00 |

| 171 | 5058 | 208 | 22.00 | 2.50 | 150.0000 | 0.00 |
|-----|------|------|---------|------|----------|------|
| 172 | 5058 | 646 | 105.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 174 | 5059 | 1942 | 614.00 | 2.00 | 150.0000 | 0.00 |
| 175 | 1942 | 2061 | 32.00 | 2.00 | 150.0000 | 0.00 |
| 176 | 5059 | 5060 | 616.00 | 2.50 | 150.0000 | 0.00 |
| 177 | 5060 | 781 | 1347.00 | 1.00 | 150.0000 | 0.00 |
| 178 | 781 | 2017 | 63.00 | 1.00 | 150.0000 | 0.00 |
| | 5060 | 1006 | | | | |
| 179 | | | 213.00 | 2.50 | 150.0000 | 0.00 |
| 180 | 1006 | 5061 | 4482.00 | 2.50 | 150.0000 | 0.00 |
| 181 | 5061 | 5062 | 823.00 | 2.50 | 150.0000 | 0.00 |
| 182 | 5062 | 495 | 306.00 | 1.00 | 150.0000 | 0.00 |
| 183 | 5062 | 5063 | 5335.00 | 2.50 | 150.0000 | 0.00 |
| 184 | 5063 | 7072 | 375.00 | 1.00 | 150.0000 | 0.00 |
| | | 2258 | | | | |
| 185 | 7072 | | 250.00 | 1.00 | 150.0000 | 0.00 |
| 186 | 5063 | 1067 | 1764.00 | 2.50 | 150.0000 | 0.00 |
| 187 | 1067 | 1231 | 1945.00 | 2.50 | 150.0000 | 0.00 |
| 188 | 1231 | 1005 | 410.00 | 2.50 | 150.0000 | 0.00 |
| 189 | 1005 | 1578 | 297.00 | 2.50 | 150.0000 | 0.00 |
| 190 | 5030 | 423 | 279.00 | 2.00 | 150.0000 | 0.00 |
| | 423 | 5066 | 1809.00 | | | |
| 191 | | | | 2.00 | 150.0000 | 0.00 |
| 192 | 5066 | 2131 | 450.00 | 1.00 | 150.0000 | 0.00 |
| 193 | 5066 | 5067 | 299.00 | 2.00 | 150.0000 | 0.00 |
| 194 | 5030 | 5068 | 242.00 | 6.00 | 150.0000 | 0.00 |
| 195 | 5068 | 2185 | 216.00 | 6.00 | 150.0000 | 0.00 |
| 196 | 2185 | 741 | 416.00 | 6.00 | 150.0000 | 0.00 |
| | 741 | | | | | |
| 197 | | 414 | 431.00 | 6.00 | 150.0000 | 0.00 |
| 198 | 414 | 881 | 286.00 | 6.00 | 150.0000 | 0.00 |
| 199 | 881 | 849 | 1100.00 | 6.00 | 150.0000 | 0.00 |
| 200 | 849 | 347 | 387.00 | 6.00 | 150.0000 | 0.00 |
| 201 | 347 | 1472 | 2341.00 | 4.00 | 150.0000 | 0.00 |
| 202 | 1472 | 5069 | 110.00 | 4.00 | 150.0000 | 0.00 |
| 203 | 5069 | 5065 | 4650.00 | 4.00 | 150.0000 | |
| | | | | | | 0.00 |
| 204 | 5064 | 5065 | 1229.00 | 3.00 | 150.0000 | 0.00 |
| 205 | 5068 | 5076 | 7499.00 | 2.00 | 150.0000 | 0.00 |
| 206 | 5065 | 5070 | 1374.00 | 2.00 | 150.0000 | 0.00 |
| 207 | 5065 | 5071 | 830.00 | 4.00 | 150.0000 | 0.00 |
| 210 | 1232 | 5072 | 140.00 | 6.00 | 150.0000 | 0.00 |
| 211 | 5072 | 5073 | 110.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 212 | 5073 | 2078 | 581.00 | 2.00 | 150.0000 | 0.00 |
| 213 | 5073 | 1353 | 751.00 | 2.00 | 150.0000 | 0.00 |
| 214 | 1353 | 2200 | 235.00 | 2.00 | 150.0000 | 0.00 |
| 215 | 5072 | 5074 | 1134.00 | 6.00 | 150.0000 | 0.00 |
| 216 | 5074 | 1490 | 1210.00 | 6.00 | 150.0000 | 0.00 |
| 217 | 1490 | 1716 | 39.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 218 | 1716 | 517 | 538.00 | 6.00 | 150.0000 | 0.00 |
| 219 | 517 | 2623 | 1303.00 | 6.00 | 150.0000 | 0.00 |
| 220 | 2623 | 5075 | 1239.00 | 6.00 | 150.0000 | 0.00 |
| 221 | 5075 | 5077 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 222 | 5077 | 144 | 631.00 | 2.00 | 150.0000 | 0.00 |
| 223 | 144 | 466 | 202.00 | 2.00 | 150.0000 | 0.00 |
| | 5075 | 558 | 758.00 | 6.00 | 150.0000 | |
| 224 | | | | | | 0.00 |
| 225 | 558 | 130 | 1212.00 | 6.00 | 150.0000 | 0.00 |
| 226 | 130 | 1049 | 232.00 | 6.00 | 150.0000 | 0.00 |
| 227 | 1049 | 5078 | 436.00 | 6.00 | 150.0000 | 0.00 |
| 228 | 5078 | 1605 | 229.00 | 4.00 | 150.0000 | 0.00 |
| 229 | 1605 | 2256 | 465.00 | 4.00 | 150.0000 | 0.00 |
| | | 5079 | | 6.00 | 150.0000 | |
| 230 | 5078 | | 733.00 | | | 0.00 |
| 231 | 5079 | 5080 | 1764.00 | 4.00 | 150.0000 | 0.00 |
| 232 | 5080 | 5081 | 2288.00 | 4.00 | 150.0000 | 0.00 |
| 233 | 2256 | 5082 | 1652.00 | 4.00 | 150.0000 | 0.00 |
| 234 | 5083 | 5084 | 568.00 | 4.00 | 150.0000 | 0.00 |
| 235 | 5083 | 5085 | 228.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 236 | 5085 | 2210 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 237 | 2210 | 1883 | 734.00 | 1.00 | 150.0000 | 0.00 |
| 238 | 5085 | 356 | 1632.00 | 2.00 | 150.0000 | 0.00 |
| 239 | 356 | 7009 | 500.00 | 2.00 | 150.0000 | 0.00 |
| 240 | 7009 | 1953 | 716.00 | 2.00 | 150.0000 | 0.00 |
| | | 5086 | 425.00 | 4.00 | 150.0000 | |
| 241 | 5082 | | | | | 0.00 |
| 242 | 5082 | 1953 | 22.00 | 2.00 | 150.0000 | 0.00 |
| 243 | 5079 | 5083 | 1848.00 | 4.00 | 150.0000 | 0.00 |
| 244 | 5086 | 5088 | 1330.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |

| 245 5986 394 787.00 4.00 150.0000 0.00 247 5987 677 110.00 4.00 150.0000 0.00 248 5087 1050 480.00 4.00 150.0000 0.00 249 1050 5989 320.00 4.00 150.0000 0.00 251 5981 2028 1041.00 4.00 150.0000 0.00 252 2028 1930 8975 726.00 4.00 150.0000 0.00 253 1930 8975 726.00 4.00 150.0000 0.00 254 8075 2325 745.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 258 5091 745 | | | | | | | |
|--|------------------|------|------|---------|------|----------|------|
| 246 394 5087 46.00 4.00 150.0000 0.00 248 5087 1050 480.00 4.00 150.0000 0.00 248 1050 5089 320.00 4.00 150.0000 0.00 250 677 2152 1817.00 2.00 150.0000 0.00 251 5091 733.00 4.00 150.0000 0.00 252 2028 1930 55.00 4.00 150.0000 0.00 252 2028 1930 55.00 4.00 150.0000 0.00 253 1930 8075 726.00 4.00 150.0000 0.00 254 8075 2225 745.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 256 257 106 5090 1790.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 257 106 5090 1790.00 2.00 150.0000 0.00 258 5090 745 75.00 2.00 150.0000 0.00 256 258 5090 745 75.00 2.00 150.0000 0.00 256 258 5090 326 1890.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 2.00 150.0000 0.00 263 326 1890.00 3.00 150.0000 0.00 265 259 750 326 1890.00 3.00 150.0000 0.00 266 258 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 1138.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 266 253 2532 7010 856.00 3.00 150.0000 0.00 267 253 254 255 255 255 255 255 255 255 255 255 | 245 | 5086 | 394 | 787.00 | 4.00 | 150,0000 | 0.00 |
| 247 5087 677 110.00 4.00 150.0000 0.00 249 1050 5089 320.00 4.00 150.0000 0.00 250 677 2152 1817.00 2.00 150.0000 0.00 251 5081 2028 1041.00 4.00 150.0000 0.00 252 2028 1930 8075 726.00 4.00 150.0000 0.00 253 1930 8075 726.00 4.00 150.0000 0.00 254 8075 2325 745.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 258 5090 745 1056 650.00 2.00 150.0000 0.00 260 1058 2031 980.00 2.00 150.0000 0.00 261 20 | | | | | | | |
| 248 5087 1050 5089 320.00 4.00 150.0000 0.00 250 677 2152 1817.00 2.00 150.0000 0.00 251 5081 2028 1930 55.00 4.00 150.0000 0.00 252 2028 1930 55.00 4.00 150.0000 0.00 254 8075 2325 745.00 4.00 150.0000 0.00 255 2325 107 106 203.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 258 5090 745 1056 650.00 2.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 3.00 150.0000 0.00 | | | | | | | |
| 249 | | | | | | | |
| 250 677 2152 1817.00 2.00 150.0000 0.00 252 2028 1930 55.00 4.00 150.0000 0.00 253 1930 8075 725.00 4.00 150.0000 0.00 254 8075 2325 745.00 4.00 150.0000 0.00 256 107 106 203.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 257 106 5090 745 75.00 2.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 263 326 363 4136.00 3.00 150.0000 0.00 263 326 363 | | | | | | | 0.00 |
| 251 | 249 | 1050 | 5089 | 320.00 | 4.00 | 150.0000 | 0.00 |
| 252 2028 1930 55.00 4.00 150.0000 0.00 254 8075 2325 745.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 256 107 106 203.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 260 1056 2031 1980.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 3.00 150.0000 0.00 263 3232 7010 856.00 3.00 150.0000 0.00 264 363 3136 168.00 3.00 150.0000 0.00 265 2532 7010 856.0 | 250 | 677 | 2152 | 1817.00 | 2.00 | 150.0000 | 0.00 |
| 252 2028 1930 55.00 4.00 150.0000 0.00 254 8075 2325 745.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 256 107 106 203.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 260 1056 2031 1980.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 3.00 150.0000 0.00 263 3232 7010 856.00 3.00 150.0000 0.00 264 363 3136 168.00 3.00 150.0000 0.00 265 2532 7010 856.0 | 251 | 5081 | 2028 | 1041.00 | 4.00 | 150.0000 | 0.00 |
| 253 1930 8075 726.00 4.00 150.0000 0.00 255 2325 107 310.00 4.00 150.0000 0.00 256 107 106 203.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 258 5090 745 75.00 2.00 150.0000 0.00 260 1056 2031 980.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 2.00 150.0000 0.00 263 323 363 4136.00 3.00 150.0000 0.00 264 363 2532 1138.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 266 7010 5091 733.00 | | | | | | | |
| 254 8075 2325 745.00 4.00 150.0000 0.00 256 107 106 203.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 258 5090 745 75.00 2.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 3.00 150.0000 0.00 263 326 363 4136.00 3.00 150.0000 0.00 264 363 2532 7010 856.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.0 150.0000 0.00 268 5094 724 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 255 2325 107 310.00 4.00 150.0000 0.00 257 106 5090 1790.00 4.00 150.0000 0.00 258 5090 745 75.00 2.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 260 1056 2031 980.00 2.00 150.0000 0.00 261 2031 1985 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 3.00 150.0000 0.00 264 363 2532 1138.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 266 7010 5091 733.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 268 5091 5094 170 | 253 | | | | | 150.0000 | 0.00 |
| 256 107 106 203.00 4.00 150.000 0.00 258 5090 745 75.00 2.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 260 1056 2031 1980.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 3.00 150.0000 0.00 263 326 363 4136.00 3.00 150.0000 0.00 264 363 2532 1010 856.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 268 5091 2316 1089.00 2.00 150.0000 0.00 269 5094 724 </td <td>254</td> <td>8075</td> <td>2325</td> <td>745.00</td> <td>4.00</td> <td>150.0000</td> <td>0.00</td> | 254 | 8075 | 2325 | 745.00 | 4.00 | 150.0000 | 0.00 |
| 256 107 106 203.00 4.00 150.000 0.00 258 5090 745 75.00 2.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 260 1056 2031 980.00 2.00 150.0000 0.00 261 2031 1955 801.00 2.00 150.0000 0.00 262 5090 326 1890.00 3.00 150.0000 0.00 263 326 363 4136.00 3.00 150.0000 0.00 264 363 2352 7010 856.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 268 5091 5094 1701.00 3.0 150.0000 0.00 270 724 5092 <td>255</td> <td>2325</td> <td>107</td> <td>310.00</td> <td>4.00</td> <td>150.0000</td> <td>0.00</td> | 255 | 2325 | 107 | 310.00 | 4.00 | 150.0000 | 0.00 |
| 257 106 5990 1799.00 4.00 150.0000 0.00 258 5990 745 75.00 2.00 150.0000 0.00 259 745 1056 650.00 2.00 150.0000 0.00 260 1056 2031 1995 801.00 2.00 150.0000 0.00 262 5990 326 1890.00 3.00 150.0000 0.00 264 363 3252 1138.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 266 7010 5091 733.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.0 150.0000 0.00 268 5091 5094 1701.00 3.00 150.0000 0.00 269 5094 724 32.00 3.00 150.0000 0.00 270 724 5092< | | 107 | 106 | | | | |
| 258 | | | | | | | |
| 259 | | | | | | | |
| 260 | 258 | 5090 | 745 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 261 | 259 [°] | 745 | 1056 | 650.00 | 2.00 | 150.0000 | 0.00 |
| 261 | 260 | 1056 | 2031 | 980.00 | 2.00 | 150.0000 | 0.00 |
| 262 5090 326 1890.00 3.00 150.0000 0.00 263 326 363 4136.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 266 7010 5091 733.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 268 5091 5094 1701.00 3.00 150.0000 0.00 269 5094 724 32.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 273 1244 5095 795.00 4.00 150.0000 0.00 275 408 5096 | | | | | | | |
| 263 326 363 2532 1138.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 266 7010 5091 733.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 268 5091 5094 1701.00 3.00 150.0000 0.00 269 5094 724 32.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 273 1284 5095 795.00 4.00 150.0000 0.00 274 5096 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| 264 363 2532 1138.00 3.00 150.0000 0.00 265 2532 7010 856.00 3.00 150.0000 0.00 266 7010 5091 733.00 3.00 150.0000 0.00 267 5091 5094 1701.00 3.00 150.0000 0.00 269 5094 724 32.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 273 1284 5095 795.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 27 830.00 2.50 150.0000 0.00 277 5096 507 | | | | | | | |
| 265 2532 7010 856.00 3.00 150.0000 0.00 266 7010 5091 733.00 3.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 268 5094 724 32.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 273 1284 5095 795.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 27 830.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097< | 263 | 326 | 363 | 4136.00 | 3.00 | 150.0000 | 0.00 |
| 266 7010 5091 233.6 1089.00 2.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 269 5094 1701.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 273 1284 5095 795.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 27 830.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 342 114.00 2.00 150.0000 0.00 279 3 | 264 | 363 | 2532 | 1138.00 | 3.00 | 150.0000 | 0.00 |
| 266 7010 5091 233.6 1089.00 2.00 150.0000 0.00 267 5091 2316 1089.00 2.00 150.0000 0.00 269 5094 1701.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 273 1284 5095 795.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 27 830.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 342 114.00 2.00 150.0000 0.00 279 3 | 265 | 2532 | 7010 | 856.00 | 3.00 | 150.0000 | 0.00 |
| 267 5091 2316 1089.00 2.00 150.0000 0.00 268 5094 724 32.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 273 1284 5095 795.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 27 830.00 2.50 150.0000 0.00 276 5096 5097 3356.00 2.00 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 14 | | | | | | | |
| 268 5091 5094 724 32.00 3.00 150.0000 0.00 269 5094 724 32.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 5095 795.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 1014.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 278 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 269 5094 724 5092 1683.00 3.00 150.0000 0.00 270 724 5092 1683.00 2.50 150.0000 0.00 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 595 795.00 4.00 150.0000 0.00 274 5095 408 5096 1014.00 2.50 150.0000 0.00 275 408 5096 27 830.00 2.50 150.0000 0.00 276 5096 27 830.00 2.00 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 | | | | | | | |
| 270 | 268 | 5091 | 5094 | 1701.00 | 3.00 | 150.0000 | 0.00 |
| 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 1014.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 278 5096 5097 3356.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 1644 5098 501.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 1 | 269 | 5094 | 724 | 32.00 | 3.00 | 150.0000 | 0.00 |
| 271 5092 5093 1566.00 2.50 150.0000 0.00 272 5084 1284 1587.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 1014.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 278 5096 5097 3356.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 1644 5098 501.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 1 | 270 | 724 | 5092 | 1683.00 | 2.50 | 150.0000 | 0.00 |
| 272 5084 1284 5095 795.00 4.00 150.0000 0.00 274 5095 408 132.00 2.50 150.0000 0.00 275 408 5096 1014.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 278 5097 342 114.00 2.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 | | | | | | | |
| 273 1284 5095 408 132.00 2.50 150.0000 0.00 276 5095 408 5096 1014.00 2.50 150.0000 0.00 276 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 509 | | | | | | | |
| 274 5095 408 5096 1014 00 2.50 150.0000 0.00 275 408 5096 27 830.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 278 5097 342 114.00 2.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 510 | | | | | | | |
| 275 408 5096 1014.00 2.50 150.0000 0.00 276 5096 5077 830.00 2.50 150.0000 0.00 278 5096 5097 342 114.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 761 1700.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 510 | 273 | 1284 | 5095 | 795.00 | 4.00 | 150.0000 | 0.00 |
| 276 5096 5097 3356.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 7651 1700.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5011 <t< td=""><td>274</td><td>5095</td><td>408</td><td>132.00</td><td>2.50</td><td>150.0000</td><td>0.00</td></t<> | 274 | 5095 | 408 | 132.00 | 2.50 | 150.0000 | 0.00 |
| 276 5096 5097 3356.00 2.50 150.0000 0.00 277 5096 5097 3356.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 7651 1700.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5011 <t< td=""><td>275</td><td>408</td><td>5096</td><td>1014.00</td><td>2.50</td><td>150.0000</td><td>0.00</td></t<> | 275 | 408 | 5096 | 1014.00 | 2.50 | 150.0000 | 0.00 |
| 277 5096 5097 3356.00 2.00 150.0000 0.00 278 5097 342 114.00 2.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5011 8043 929.00 2.00 150.0000 0.00 289 8043 1036 | | | | | | | |
| 278 5097 342 114.00 2.00 150.0000 0.00 279 342 1675 590.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 289 8043 1036 7 | | | | | | | |
| 279 342 1675 890.00 1.00 150.0000 0.00 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 5098 501.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 286 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 299 1036 | | | | | | | |
| 280 1675 8032 38.00 1.00 150.0000 0.00 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 <td< td=""><td>278</td><td>5097</td><td>342</td><td></td><td>2.00</td><td>150.0000</td><td>0.00</td></td<> | 278 | 5097 | 342 | | 2.00 | 150.0000 | 0.00 |
| 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 <t< td=""><td>279</td><td>342</td><td>1675</td><td>590.00</td><td>1.00</td><td>150.0000</td><td>0.00</td></t<> | 279 | 342 | 1675 | 590.00 | 1.00 | 150.0000 | 0.00 |
| 281 5095 1484 549.00 3.00 150.0000 0.00 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 <t< td=""><td>280</td><td>1675</td><td>8032</td><td>38.00</td><td>1.00</td><td>150.0000</td><td>0.00</td></t<> | 280 | 1675 | 8032 | 38.00 | 1.00 | 150.0000 | 0.00 |
| 282 1484 5098 501.00 3.00 150.0000 0.00 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 299.4 < | | | | | | | |
| 283 5098 7011 110.00 2.00 150.0000 0.00 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| 284 7011 1386 185.00 2.00 150.0000 0.00 285 5098 5099 1657.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2074 2355 238.00 3.00 150.0000 0.00 295 2355 5102 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | |
| 285 5098 5099 751 1700.00 3.00 150.0000 0.00 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 297 1899 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>0.00</td></td<> | | | | | | | 0.00 |
| 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 | 284 | 7011 | 1386 | 185.00 | 2.00 | 150.0000 | 0.00 |
| 286 5099 751 1700.00 3.00 150.0000 0.00 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 | 285 | 5098 | 5099 | 1657.00 | 3.00 | 150.0000 | 0.00 |
| 287 5100 5101 2568.00 2.50 150.0000 0.00 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 300 5103 1480 | | 5099 | 751 | | 3.00 | | |
| 288 5101 8043 929.00 2.00 150.0000 0.00 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 299 5103 1480 798.00 2.50 150.0000 0.00 301 5104 82.00 | | | | | | | |
| 289 8043 1036 710.00 2.00 150.0000 0.00 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 300 5103 1480 798.00 2.50 150.0000 0.00 301 5104 82.00 2.00 150.0000 0.00 302 1480 5105 775.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 290 1036 2314 170.00 2.00 150.0000 0.00 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 300 5103 1480 798.00 2.50 150.0000 0.00 301 5104 82.00 2.00 150.0000 0.00 302 1480 5105 775.00 | | | | | | | |
| 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 299 5103 1480 798.00 2.50 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 304 5106 2322 96 | 289 | 8043 | 1036 | 710.00 | 2.00 | 150.0000 | 0.00 |
| 291 751 5100 2240.00 3.00 150.0000 0.00 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 300 5103 1480 798.00 2.50 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775 | 290 | 1036 | 2314 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 292 5100 7012 129.00 3.00 150.0000 0.00 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 300 5103 1480 798.00 2.50 150.0000 0.00 301 5103 5104 82.00 2.00 150.0000 0.00 301 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 | | 751 | 5100 | 2240.00 | 3.00 | 150.0000 | |
| 293 7012 2094 527.00 3.00 150.0000 0.00 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 300 5103 1480 798.00 2.50 150.0000 0.00 301 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 | | | | | | | |
| 294 2094 2355 238.00 3.00 150.0000 0.00 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 300 5103 1480 798.00 2.50 150.0000 0.00 301 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 | | | | | | | |
| 295 2355 5102 448.00 3.00 150.0000 0.00 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 299 5103 1480 798.00 2.50 150.0000 0.00 300 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263 | | | | | | | |
| 296 5102 5103 989.00 3.00 150.0000 0.00 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 299 5103 1480 798.00 2.50 150.0000 0.00 300 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312. | 294 | 2094 | 2355 | 238.00 | 3.00 | 150.0000 | 0.00 |
| 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 299 5103 1480 798.00 2.50 150.0000 0.00 300 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4 | 295 | 2355 | 5102 | 448.00 | 3.00 | 150.0000 | 0.00 |
| 297 1899 669 5993.00 2.00 150.0000 0.00 298 669 582 1624.00 2.00 150.0000 0.00 299 5103 1480 798.00 2.50 150.0000 0.00 300 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4 | 296 | 5102 | 5103 | 989.00 | 3.00 | 150.0000 | 0.00 |
| 298 669 582 1624.00 2.00 150.0000 0.00 299 5103 1480 798.00 2.50 150.0000 0.00 300 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 310 1966 5108 | | | | | | 150 0000 | |
| 299 5103 1480 798.00 2.50 150.0000 0.00 300 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
| 300 5103 5104 82.00 2.00 150.0000 0.00 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
| 301 5104 1899 46.00 2.00 150.0000 0.00 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | |
| 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 <t< td=""><td>300</td><td>5103</td><td>5104</td><td>82.00</td><td>2.00</td><td>150.0000</td><td>0.00</td></t<> | 300 | 5103 | 5104 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 302 1480 5105 775.00 2.50 150.0000 0.00 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 <t< td=""><td>301</td><td>5104</td><td>1899</td><td>46.00</td><td>2.00</td><td>150.0000</td><td>0.00</td></t<> | 301 | 5104 | 1899 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 303 5105 5106 1409.00 2.50 150.0000 0.00 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 < | | | | | | | |
| 304 5106 2322 960.00 2.00 150.0000 0.00 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| 305 2322 1035 120.00 2.00 150.0000 0.00 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| 306 1035 670 263.00 2.00 150.0000 0.00 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | 2322 | | 120.00 | 2.00 | 150.0000 | 0.00 |
| 307 670 2395 312.00 2.00 150.0000 0.00 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | 306 | 1035 | 670 | 263.00 | 2.00 | 150.0000 | 0.00 |
| 308-XX 5104 2659 4412.00 1.50 150.0000 0.00 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| 309 2659 1966 28.00 1.50 150.0000 0.00 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| 310 1966 5108 2873.00 1.50 150.0000 0.00 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| 311 5108 712 3186.00 2.00 150.0000 0.00 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | 310 | 1966 | | | | 150.0000 | 0.00 |
| 312 712 1254 102.00 2.00 150.0000 0.00 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | 311 | 5108 | 712 | 3186.00 | 2.00 | 150.0000 | 0.00 |
| 313 1254 1422 2010.00 2.00 150.0000 0.00 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | 2.00 | | |
| 314 1422 2272 95.00 2.00 150.0000 0.00 | | | | | | | |
| | | | | | | | |
| 315 2272 1166 129.00 4.00 150.0000 0.00 | | | | | | | |
| | 315 | 2272 | 1166 | 129.00 | 4.00 | 150.0000 | 0.00 |

| 316 | 1166 | 57 | 423.00 | 4.00 | 150.0000 | 0.00 |
|--------|--------------|------|------------------|------|----------|------|
| 317 | 57 | 2234 | 413.00 | 4.00 | 150.0000 | 0.00 |
| 318 | 2234 | 684 | 298.00 | 4.00 | 150.0000 | 0.00 |
| 319 | 684 | 5107 | 940.00 | 4.00 | 150.0000 | 0.00 |
| 320 | 5107 | 1324 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 321 | 1324 | 2252 | 236.00 | 2.00 | 150.0000 | 0.00 |
| 322 | 2252 | 8047 | 34.00 | 2.00 | 150.0000 | 0.00 |
| 323 | 8047 | 872 | 132.00 | 2.00 | 150.0000 | 0.00 |
| | 872 | 1193 | 216.00 | 2.00 | 150.0000 | 0.00 |
| 324 | | | | | | |
| 325 | 1193 | 2443 | 651.00 | 2.00 | 150.0000 | 0.00 |
| 326 | 7013 | 1365 | 128.00 | 1.50 | 150.0000 | 0.00 |
| 327 | 5107 | 5109 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 328 | 5109 | 5110 | 60.00 | 4.00 | 150.0000 | 0.00 |
| 329 | 5109 | 5111 | 305.00 | 4.00 | 150.0000 | 0.00 |
| 330 | 5111 | 1237 | 225.00 | 3.00 | 150.0000 | 0.00 |
| 331 | 1237 | 1179 | 220.00 | 3.00 | 150.0000 | 0.00 |
| 332 | 5110 | 5326 | 162.00 | 1.50 | 150.0000 | 0.00 |
| 333 | 5112 | 7014 | 285.00 | 6.00 | 150.0000 | 0.00 |
| 334 | 5111 | 1621 | 312.00 | 4.00 | 150.0000 | 0.00 |
| 335 | 1621 | 426 | 186.00 | 4.00 | 150.0000 | 0.00 |
| 336 | 426 | 8001 | 161.00 | 4.00 | 150.0000 | 0.00 |
| 337 | 8001 | 5113 | 171.00 | 4.00 | 150.0000 | 0.00 |
| 338 | 7014 | 5114 | 737.00 | 6.00 | 150,0000 | 0.00 |
| 339-XX | 5113 | 5114 | 20.00 | 4.00 | 150.0000 | 0.00 |
| 340 | 5114 | 5115 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 341 | 5115 | 2546 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 342 | 5115 | 1534 | 70.00 | 4.00 | 150.0000 | 0.00 |
| 343 | 1534 | 1060 | 60.00 | 4.00 | 150.0000 | 0.00 |
| 344 | 5112 | 5261 | 285.00 | 6.00 | 150.0000 | 0.00 |
| 345 | 5110 | 7013 | 10.00 | 1.50 | 150.0000 | 0.00 |
| 346 | 5113 | 2529 | 269.00 | 4.00 | 150.0000 | 0.00 |
| 347 | 2529 | 1255 | 166.00 | 4.00 | 150.0000 | 0.00 |
| | | | | 4.00 | | |
| 348 | 1255 | 5116 | 123.00 | | 150.0000 | 0.00 |
| 349 | 5116 | 612 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 350 | 612 | 1410 | 271.00 | 2.00 | 150.0000 | 0.00 |
| 351 | 5116 | 5117 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 352 | 5117 | 569 | 227.00 | 4.00 | 150.0000 | 0.00 |
| 353 | 5117 | 1253 | 149.00 | 1.00 | 150.0000 | 0.00 |
| 354 | 1253 | 1905 | 90.00 | 1.00 | 150.0000 | 0.00 |
| 355 | 1905 | 2672 | 230.00 | 1.00 | 150.0000 | 0.00 |
| 356 | 2672 | 680 | 720.00 | 1.00 | 150.0000 | 0.00 |
| 357 | 5116 | 676 | 184.00 | 4.00 | 150.0000 | 0.00 |
| 358 | 676 | 379 | 47.00 | 4.00 | 150.0000 | 0.00 |
| 359 | 379 | 694 | 539.00 | 4.00 | 150.0000 | 0.00 |
| 360 | 694 | 832 | 143.00 | 4.00 | 150.0000 | 0.00 |
| 361 | 832 | 5118 | 90.00 | 4.00 | 150.0000 | 0.00 |
| 362 | 5118 | 2715 | 212.00 | 4.00 | 150.0000 | 0.00 |
| 363 | 5114 | J-18 | 1911.00 | 6.00 | 150.0000 | 0.00 |
| 364 | 5118 | 7015 | 122.00 | 4.00 | 150.0000 | 0.00 |
| 365 | 7015 | 5119 | 227.00 | 4.00 | 150.0000 | 0.00 |
| 366 | 5119 | 5121 | 137.00 | 6.00 | 150.0000 | 0.00 |
| 368 | 5121 | 435 | 359.00 | 4.00 | 150.0000 | 0.00 |
| 369 | 435 | 2072 | 182.00 | 4.00 | 150.0000 | 0.00 |
| 370 | 5119 | 1403 | 174.00 | 6.00 | 150.0000 | 0.00 |
| 371 | 1403 | 1987 | 81.00 | 6.00 | 150.0000 | 0.00 |
| 372 | 1987 | 1986 | 26.00 | 6.00 | 150.0000 | 0.00 |
| 374 | 2062 | J-3 | 101.00 | 1.50 | 150.0000 | 0.00 |
| 375 | 1369 | 7412 | 20.00 | 1.50 | 150.0000 | 0.00 |
| 376 | 7412 | 1835 | 93.00 | 1.50 | 150.0000 | 0.00 |
| 377 | 1835 | 5122 | 110.00 | 1.50 | 150.0000 | 0.00 |
| 378 | 5122 | 1937 | 67.00 | 1.50 | 150.0000 | 0.00 |
| 379 | 1937 | 1829 | 142.00 | 1.50 | 150.0000 | 0.00 |
| 380 | 1829 | 1973 | 317.00 | 1.50 | 150.0000 | 0.00 |
| 381 | 1973 | 2006 | 100.00 | 1.50 | 150.0000 | 0.00 |
| 382 | 2715 | 2628 | 153.00 | 4.00 | 150.0000 | 0.00 |
| 383 | 2628 | 378 | 81.00 | 4.00 | 150.0000 | 0.00 |
| | 378 | 1635 | 116.00 | 4.00 | 150.0000 | 0.00 |
| 384 | | | | 4.00 | 150.0000 | 0.00 |
| 385 | 1635
5132 | 187 | 103.00
130.00 | 1.50 | 150.0000 | |
| 386 | 5132 | 583 | | | | 0.00 |
| 387 | 583 | 838 | 66.00 | 1.50 | 150.0000 | 0.00 |
| 388 | 5132 | 5131 | 396.00 | 6.00 | 150.0000 | 0.00 |

| 389 | 5131 | 5130 | 30.00 | 6.00 | 150.0000 | 0.00 |
|--------|------|------|--------|------|----------|------|
| 390 | 5130 | 5129 | 155.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 391 | 5129 | 971 | 134.00 | 4.00 | 150.0000 | 0.00 |
| 392 | 971 | 7018 | 151.00 | 4.00 | 150.0000 | 0.00 |
| 393 | 5129 | 5128 | 293.00 | 4.00 | 150.0000 | 0.00 |
| 394 | 5128 | 2414 | 108.00 | 1.50 | 150.0000 | 0.00 |
| 395 | 2414 | 928 | 226.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 396 | 928 | 1413 | 102.00 | 1.50 | 150.0000 | 0.00 |
| 397 | 5128 | 1521 | 108.00 | 2.00 | 150.0000 | 0.00 |
| 398 | 1521 | 5125 | 238.00 | 2.00 | 150.0000 | 0.00 |
| 399 | 5125 | 1140 | 207.00 | 2.00 | 150.0000 | 0.00 |
| 400 | 1140 | 5124 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 401 | 5124 | 5123 | 114.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 402 | 5123 | 455 | 87.00 | 2.00 | 150.0000 | 0.00 |
| 403 | 5123 | 2232 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 404 | 455 | 2453 | 302.00 | 2.00 | 150.0000 | 0.00 |
| 405 | 2453 | 696 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 406 | 696 | 8064 | 258.00 | 2.00 | 150.0000 | 0.00 |
| 407 | 8064 | 7016 | 204.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 408 | 7016 | 2276 | 170.00 | 2.00 | 150.0000 | 0.00 |
| 409 | 5124 | 952 | 171.00 | 1.50 | 150.0000 | 0.00 |
| 410 | 952 | 2345 | 244.00 | 1.50 | 150.0000 | 0.00 |
| 411 | 5125 | 573 | 151.00 | 2.00 | 150.0000 | 0.00 |
| 412 | 573 | 575 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 413 | 575 | 5126 | 86.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 414 | 5126 | 2399 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 415 | 2399 | 2269 | 143.00 | 2.00 | 150.0000 | 0.00 |
| 416 | 5126 | 5127 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 417 | 5127 | 1571 | 89.00 | 2.00 | 150.0000 | 0.00 |
| 418 | 1571 | 7017 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 419 | 5127 | 2710 | 210.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 420 | 2710 | 8069 | 64.00 | 2.00 | 150.0000 | 0.00 |
| 421 | 5119 | 5120 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 422 | 1986 | 5132 | 81.00 | 6.00 | 150.0000 | 0.00 |
| 423 | 5131 | 7019 | 201.00 | 2.00 | 150.0000 | 0.00 |
| 424 | 7019 | 7020 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 425 | 7020 | 7021 | 127.00 | 2.00 | 150.0000 | 0.00 |
| 426 | 7021 | 2356 | 29.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 427 | 2356 | 5133 | 156.00 | 2.00 | 150.0000 | 0.00 |
| 428 | 5133 | 1431 | 128.00 | 1.50 | 150.0000 | 0.00 |
| 429 | 1431 | 465 | 93.00 | 1.50 | 150.0000 | 0.00 |
| 430 | 465 | 5134 | 33.00 | 1.50 | 150.0000 | 0.00 |
| 431 | 5134 | 1811 | 55.00 | 1.50 | 150.0000 | 0.00 |
| 432 | 1811 | 1435 | 189.00 | 1.50 | 150.0000 | 0.00 |
| | | 2118 | | 1.50 | | |
| 433 | 1435 | | 61.00 | | 150.0000 | 0.00 |
| 434 | 5133 | 530 | 314.00 | 1.50 | 150.0000 | 0.00 |
| 435 | 530 | 1089 | 204.00 | 1.50 | 150.0000 | 0.00 |
| 436 | 1089 | 5135 | 304.00 | 1.50 | 150.0000 | 0.00 |
| 437 | 5135 | 579 | 705.00 | 1.50 | 150.0000 | 0.00 |
| 438 | 579 | 2694 | 20.00 | 1.50 | 150.0000 | 0.00 |
| 439 | 5130 | 2436 | 159.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 440 | 2436 | 1351 | 302.00 | 4.00 | 150.0000 | 0.00 |
| 441 | 1351 | 2580 | 186.00 | 4.00 | 150.0000 | 0.00 |
| 442 | 2580 | 7022 | 322.00 | 4.00 | 150.0000 | 0.00 |
| 443 | 7022 | 1273 | 207.00 | 4.00 | 150,0000 | 0.00 |
| 444 | 1273 | 5136 | 87.00 | 4.00 | 150.0000 | 0.00 |
| | | | 443.00 | 4.00 | 150.0000 | 0.00 |
| 445 | 5136 | 5137 | | | | |
| 446-XX | 5137 | 5138 | 23.00 | 4.00 | 150.0000 | 0.00 |
| 447 | 5138 | 1251 | 206.00 | 4.00 | 150.0000 | 0.00 |
| 448 | 1251 | 2679 | 99.00 | 4.00 | 150.0000 | 0.00 |
| 449 | 5138 | 189 | 95.00 | 2.00 | 150.0000 | 0.00 |
| 450 | 189 | 398 | 91.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 451 | 398 | 1378 | 339.00 | 2.00 | 150.0000 | 0.00 |
| 452 | 5137 | 5139 | 307.00 | 2.00 | 150.0000 | 0.00 |
| 453 | 5139 | 5140 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 454 | 5140 | 1418 | 156.00 | 2.00 | 150.0000 | 0.00 |
| 455 | 5140 | 554 | 60.00 | 2.00 | 150,0000 | 0.00 |
| 456 | 5140 | 452 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 457 | 5140 | 2223 | 102.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 458 | 2223 | 1256 | 361.00 | 1.50 | 150.0000 | 0.00 |
| 459 | 1256 | 2217 | 271.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |

| 460 | 1378 | 1564 | 258.00 | 2.00 | 150.0000 | 0.00 |
|-----|------|---------------|---------|------|----------|------|
| 461 | 1564 | 2521 | 1358.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 462 | 2521 | 914 | 603.00 | 2.00 | 150.0000 | 0.00 |
| 463 | 1714 | 723 | 24.00 | 2.00 | 150.0000 | 0.00 |
| 464 | 914 | 1714 | 888.00 | 2.00 | 150.0000 | 0.00 |
| 465 | 8072 | 5141 | 1405.00 | 1.50 | 150.0000 | 0.00 |
| 466 | 5141 | 941 | 375.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 467 | 941 | 1079 | 31.00 | 1.50 | 150.0000 | 0.00 |
| 468 | 723 | 8072 | 347.00 | 2.00 | 150.0000 | 0.00 |
| 469 | 1079 | 5152 | 798.00 | 1.50 | 150.0000 | 0.00 |
| 470 | 1529 | 1756 | 64.00 | 1.50 | 150.0000 | 0.00 |
| 471 | 5152 | 1069 | 191.00 | 1.50 | 150.0000 | 0.00 |
| 472 | 1069 | 5153 | 1098.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 473 | 2324 | 2115 | 10.00 | 1.50 | 150.0000 | 0.00 |
| 474 | 5153 | 965 | 249.00 | 1.50 | 150.0000 | 0.00 |
| 475 | 452 | 7023 | 388.00 | 2.00 | 150.0000 | 0.00 |
| 476 | 7023 | 5143 | 389.00 | 2.00 | 150.0000 | 0.00 |
| 477 | 5143 | 1202 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 478 | 1202 | 5144 | 71.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 479 | 5144 | 51 5 1 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 480 | 1285 | 1414 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 481 | 5144 | 2052 | 153.00 | 2.00 | 150.0000 | 0.00 |
| 482 | 2052 | 2724 | 271.00 | 2.00 | 150.0000 | 0.00 |
| 483 | 5136 | 5145 | 20.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 484 | 5145 | 7024 | 238.00 | 2.00 | 150.0000 | 0.00 |
| 485 | 7024 | 2706 | 353.00 | 2.00 | 150.0000 | 0.00 |
| 486 | 5145 | 1258 | 213.00 | 4.00 | 150.0000 | 0.00 |
| 487 | 1258 | 1595 | 215.00 | 4.00 | 150.0000 | 0.00 |
| 488 | 5149 | 5146 | 330.00 | 4.00 | 150.0000 | 0.00 |
| 489 | 5148 | 7026 | 425.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 490 | 7026 | 1717 | 255.00 | 4.00 | 150.0000 | 0.00 |
| 491 | 1717 | 5147 | 217.00 | 4.00 | 150.0000 | 0.00 |
| 492 | 5147 | 2341 | 451.00 | 2.00 | 150.0000 | 0.00 |
| 493 | 2341 | 2459 | 705.00 | 1.50 | 150.0000 | 0.00 |
| 494 | 2459 | 1367 | 171.00 | 1.50 | 150.0000 | 0.00 |
| 495 | 1367 | 1320 | 815.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 496 | 5147 | 7027 | 86.00 | 1.50 | 150.0000 | 0.00 |
| 497 | 7027 | 2244 | 28.00 | 1.50 | 150.0000 | 0.00 |
| 498 | 2244 | 673 | 418.00 | 1.50 | 150.0000 | 0.00 |
| 499 | 673 | 1553 | 120.00 | 1.50 | 150.0000 | 0.00 |
| 500 | 412 | 1553 | 52.00 | 1.50 | 150.0000 | 0.00 |
| 501 | 412 | 454 | 127.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 502 | 454 | 439 | 571.00 | 1.50 | 150.0000 | 0.00 |
| 503 | 439 | 1090 | 299.00 | 1.50 | 150.0000 | 0.00 |
| 504 | 5146 | 5148 | 554.00 | 4.00 | 150.0000 | 0.00 |
| 505 | 1595 | 5149 | 74.00 | 4.00 | 150.0000 | 0.00 |
| 506 | 7025 | 581 | 256.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 507 | 5149 | 7025 | 86.00 | 4.00 | 150.0000 | 0.00 |
| 508 | 7025 | 1130 | 824.00 | 4.00 | 150.0000 | 0.00 |
| 509 | 1130 | 2633 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 510 | 5148 | 1576 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 511 | 5148 | 5150 | 86.00 | 4.00 | 150.0000 | 0.00 |
| 512 | 5150 | 873 | 25.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 513 | 5150 | 750 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 514 | 5150 | 8005 | 220.00 | 4.00 | 150.0000 | 0.00 |
| 515 | 5147 | 1002 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 516 | 5138 | 2444 | 334.00 | 2.00 | 150.0000 | 0.00 |
| 517 | 5334 | 1436 | 165.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 518 | 5151 | 1285 | 15.00 | 2.00 | | 0.00 |
| 519 | 5152 | 1529 | 471.00 | 1.50 | 150.0000 | 0.00 |
| 521 | 5153 | 2324 | 130.00 | 1.50 | 150.0000 | 0.00 |
| 522 | 1294 | 2427 | 464.00 | 2.00 | 150.0000 | 0.00 |
| 523 | 2427 | 1940 | 739.00 | 2.00 | 150.0000 | 0.00 |
| | | | 1522.00 | 2.00 | 150.0000 | |
| 524 | 1940 | 732 | | | | 0.00 |
| 525 | 732 | 5142 | 1660.00 | 2.00 | 150.0000 | 0.00 |
| 526 | 5142 | 5154 | 867.00 | 2.00 | 150.0000 | 0.00 |
| 527 | 5154 | 5155 | 1361.00 | 2.50 | 150.0000 | 0.00 |
| 528 | 5155 | 155 | 786.00 | 2.00 | 150.0000 | 0.00 |
| 529 | 5155 | 748 | 1039.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 530 | 748 | 5156 | 927.00 | 2.50 | 150.0000 | 0.00 |
| 531 | 5156 | 1488 | 1742.00 | 3.00 | 150.0000 | 0.00 |

| 532 | 1488 | 5157 | 512.00 | 3.00 | 150.0000 | 0.00 |
|-----|-------------|-------------|---------|------|----------------------|------|
| 533 | 5157 | 1391 | 92.00 | 3.00 | 150.0000 | 0.00 |
| 534 | 1391 | 1275 | 1586.00 | 3.00 | 150.0000 | 0.00 |
| 535 | 1275 | 1153 | 2341.00 | 3.00 | 150.0000 | 0.00 |
| 536 | 1153 | 1957 | 2563.00 | 3.00 | 150.0000 | 0.00 |
| 537 | 1957 | 206 | 329.00 | 3.00 | 150.0000 | 0.00 |
| 538 | 206 | 1317 | 453.00 | 3.00 | 150.0000 | 0.00 |
| 539 | 1317 | 2222 | 597.00 | 3.00 | 150.0000 | 0.00 |
| 540 | 2222 | 853 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 541 | 853 | 5158 | 2475.00 | 3.00 | 150.0000 | 0.00 |
| 542 | 5158 | 5159 | 231.00 | 2.00 | 150.0000 | 0.00 |
| 543 | 5159 | 5160 | 1303.00 | 2.00 | 150.0000 | 0.00 |
| 544 | 5158 | 747 | 487.00 | 3.00 | 150.0000 | 0.00 |
| 545 | 747 | 1244 | 604.00 | 3.00 | 150.0000 | 0.00 |
| 546 | 1244 | 5161 | 1625.00 | 3.00 | 150.0000 | 0.00 |
| 547 | 5161 | 5162 | 3578.00 | 3.00 | 150.0000 | 0.00 |
| 548 | 5162 | 697 | 1399.00 | 2.00 | 150.0000 | 0.00 |
| 549 | 697 | 618 | 1586.00 | 2.00 | 150.0000 | 0.00 |
| 550 | 618 | 1651 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 551 | 5162 | 1380 | 403.00 | 4.00 | 150.0000 | 0.00 |
| 552 | 1380 | 185 | 1655.00 | 4.00 | 150.0000 | 0.00 |
| 553 | 185 | 1323 | 901.00 | 4.00 | 150.0000 | 0.00 |
| 554 | 1323 | 5163 | 1442.00 | 4.00 | 150.0000 | 0.00 |
| 555 | 5163 | 5164 | 1889.00 | 4.00 | 150.0000 | 0.00 |
| 556 | 5164 | 890 | 1012.00 | 4.00 | 150.0000 | 0.00 |
| | | 5165 | 4013.00 | 4.00 | | 0.00 |
| 557 | 890
5165 | | 80.00 | 4.00 | 150.0000 | 0.00 |
| 558 | 5166 | 5166 | 293.00 | 2.00 | 150.0000 | 0.00 |
| 559 | | 5167 | | | 150.0000
150.0000 | |
| 560 | 5166 | 5168 | 596.00 | 2.00 | | 0.00 |
| 561 | 5166 | 5169 | 859.00 | 6.00 | 150.0000 | 0.00 |
| 562 | 5169 | 5170 | 790.00 | 6.00 | 150.0000 | 0.00 |
| 563 | 5170 | 984 | 3012.00 | 6.00 | 150.0000 | 0.00 |
| 564 | 984 | 620 | 270.00 | 6.00 | 150.0000 | 0.00 |
| 565 | 620 | 5171 | 105.00 | 6.00 | 150.0000 | 0.00 |
| 566 | 5165 | 1387 | 2172.00 | 4.00 | 150.0000 | 0.00 |
| 567 | 1387 | 1388 | 90.00 | 4.00 | 150.0000 | 0.00 |
| 568 | 1388 | 1689 | 350.00 | 4.00 | 150.0000 | 0.00 |
| 569 | 1689 | 5172 | 140.00 | 4.00 | 150.0000 | 0.00 |
| 570 | 5172 | 112 | 130.00 | 1.00 | 150.0000 | 0.00 |
| 571 | 112 | 1681 | 146.00 | 1.00 | 150.0000 | 0.00 |
| 572 | 1681 | 1818 | 95.00 | 1.00 | 150.0000 | 0.00 |
| 573 | 5173 | 1959 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 574 | 5174 | 5175 | 1239.00 | 2.00 | 150.0000 | 0.00 |
| 575 | 5174 | 672 | 363.00 | 4.00 | 150.0000 | 0.00 |
| 576 | 672 | 2253 | 252.00 | 4.00 | 150.0000 | 0.00 |
| 577 | 5173 | 5174 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 578 | 5172 | 5173 | 2412.00 | 4.00 | 150.0000 | 0.00 |
| 579 | 2253 | 5176 | 179.00 | 4.00 | 150.0000 | 0.00 |
| 580 | 5176 | 1427 | 378.00 | 2.00 | 150.0000 | 0.00 |
| 581 | 1427 | 1408 | 131.00 | 2.00 | 150.0000 | 0.00 |
| 582 | 1408 | 5177 | 491.00 | 2.00 | 150.0000 | 0.00 |
| 583 | 5177 | 656 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 584 | 5177 | 651 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 585 | 5177 | 1383 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 586 | 1383 | 1504 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 587 | 1504 | 1382 | 1350.00 | 2.00 | 150.0000 | 0.00 |
| 588 | 1382 | 2247 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 589 | 2247 | 7028 | 1779.00 | 2.00 | 150.0000 | 0.00 |
| 590 | 7028 | 1189 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 591 | 5176 | 5179 | 32.00 | 4.00 | 150.0000 | 0.00 |
| 592 | 5179 | 5178 | 1426.00 | 2.00 | 150.0000 | 0.00 |
| 593 | 5179 | 728 | 356.00 | 4.00 | 150.0000 | 0.00 |
| 594 | 728 | 5180 | 633.00 | 4.00 | 150.0000 | 0.00 |
| 595 | 5180 | 5181 | 439.00 | 2.00 | 150.0000 | 0.00 |
| 596 | 5180 | 5182 | 396.00 | 4.00 | 150.0000 | 0.00 |
| 597 | 5182 | 267 | 1400.00 | 2.00 | 150.0000 | 0.00 |
| 598 | 267 | 1906 | 57.00 | 2.00 | 150.0000 | 0.00 |
| 599 | 1906 | 2190 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 600 | 5182 | 5183 | 384.00 | 4.00 | 150.0000 | 0.00 |
| 601 | 5183 | 5184 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 602 | 5184 | 1745 | 50.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 603 | 1745 | 406 | 391.00 | 1.00 | 150.0000 | 0.00 |
|-------------|------|--------------|---------|------|----------|------|
| 604 | 406 | 2228 | 549.00 | 1.00 | 150.0000 | |
| | | | | | | 0.00 |
| 605 | 5183 | 81 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 606 | 5184 | 5185 | 776.00 | 4.00 | 150.0000 | 0.00 |
| 607 | 5185 | 5186 | 11.00 | 2.50 | 150.0000 | 0.00 |
| 608 | 5185 | 7029 | 147.00 | 2.00 | 150.0000 | 0.00 |
| 609 | 7029 | 933 | 86.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 610 | 933 | 5187 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 611 | 5187 | 1201 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 612 | 1201 | 94 | 456.00 | 2.00 | 150.0000 | 0.00 |
| 613 | 5187 | 742 | 501.00 | 2.00 | 150.0000 | 0.00 |
| 614 | 5186 | 2578 | 391.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 615 | 5185 | 5188 | 893.00 | 4.00 | 150.0000 | 0.00 |
| 616 | 5188 | 7030 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 617 | 7030 | 294 | 385.00 | 1.00 | 150.0000 | 0.00 |
| 618 | 2578 | 1364 | 965.00 | 2.50 | 150.0000 | 0.00 |
| 619 | 1364 | 5189 | 787.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 620 | 5188 | 502 | 1170.00 | 4.00 | 150.0000 | 0.00 |
| 621 | 1205 | 688 | 604.00 | 2.00 | 150.0000 | 0.00 |
| 622 | 688 | 5190 | 336.00 | 2.00 | 150.0000 | 0.00 |
| 623 | 5189 | 1684 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 624 | 1684 | 1685 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 625 | 1685 | 234 | 40.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 626 | 234 | 5 6 5 | 280.00 | 2.00 | 150.0000 | 0.00 |
| 627 | 5189 | 1205 | 54.00 | 2.00 | 150.0000 | 0.00 |
| 628 | 502 | 7031 | 2258.00 | 4.00 | 150.0000 | 0.00 |
| 629 | 7031 | 1744 | 187.00 | 4.00 | 150.0000 | 0.00 |
| 630 | 1744 | 1774 | 804.00 | 4.00 | 150.0000 | 0.00 |
| 631 | 1774 | 2091 | 722.00 | 4.00 | | |
| | | | | | 150.0000 | 0.00 |
| 632 | 5192 | 5191 | 155.00 | 4.00 | 150.0000 | 0.00 |
| 633 | 5191 | 2091 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 634 | 5191 | 7032 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 635 | 5192 | 5193 | 1550.00 | 4.00 | 150.0000 | 0.00 |
| 636 | 5193 | 1752 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 637 | 1752 | 2426 | 74.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 638 | 2426 | 1751 | 61.00 | 2.00 | 150.0000 | 0.00 |
| 639 | 5193 | 5194 | 9361.00 | 4.00 | 150.0000 | 0.00 |
| 640 | 5194 | 5195 | 71.00 | 3.00 | 150.0000 | 0.00 |
| 641 | 5194 | 2490 | 1961.00 | 2.50 | 150.0000 | 0.00 |
| 642 | 2490 | 1747 | 173.00 | 2.50 | 150.0000 | 0.00 |
| 643 | 1747 | 5196 | 994.00 | 2.00 | 150.0000 | 0.00 |
| | | | | 2.00 | | |
| 644 | 5196 | 5197 | 81.00 | | 150.0000 | 0.00 |
| 645 | 5197 | 1291 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 646 | 5197 | 7033 | 122.00 | 2.00 | 150.0000 | 0.00 |
| 647 | 5196 | 1741 | 447.00 | 2.00 | 150.0000 | 0.00 |
| 648 | 1741 | 653 | 1513.00 | 2.00 | 150.0000 | 0.00 |
| 649 | 653 | 1755 | 588.00 | 2.00 | 150.0000 | 0.00 |
| | 5195 | 2688 | | | 150.0000 | |
| 650 | | | 558.00 | 3.00 | | 0.00 |
| 651 | 2688 | 1749 | 632.00 | 3.00 | 150.0000 | 0.00 |
| 652 | 1749 | 1748 | 1083.00 | 3.00 | 150.0000 | 0.00 |
| 653 | 1748 | 5198 | 2213.00 | 3.00 | 150.0000 | 0.00 |
| 654 | 5198 | 1740 | 447.00 | 3.00 | 150.0000 | 0.00 |
| 655 | 1740 | 1742 | 600.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 65 6 | 1742 | 5199 | 394.00 | 3.00 | 150.0000 | 0.00 |
| 657 | 5199 | 1753 | 79.00 | 2.00 | 150.0000 | 0.00 |
| 658 | 5200 | 1762 | 778.00 | 2.50 | 150.0000 | 0.00 |
| 659 | 1762 | 1763 | 30.00 | 2.50 | 150.0000 | 0.00 |
| 660 | 1763 | 1760 | 209.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 661 | 1760 | 701 | 109.00 | 2.50 | 150.0000 | 0.00 |
| 662 | 701 | 1750 | 893.00 | 2.50 | 150.0000 | 0.00 |
| 663 | 5199 | 5200 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 664 | 5200 | 1761 | 316.00 | 3.00 | 150.0000 | 0.00 |
| 665 | 1761 | 5201 | 962.00 | 3.00 | 150.0000 | 0.00 |
| 666 | 5201 | 5202 | 293.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 667 | 5202 | 1758 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 668 | 1758 | 1780 | 196.00 | 2.00 | 150.0000 | 0.00 |
| 669 | 1780 | 5203 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 670 | 5203 | 1759 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 671 | 5203 | 2305 | 368.00 | 2.00 | 150.0000 | 0.00 |
| 672 | 2305 | 5204 | 105.00 | 2.00 | 150.0000 | 0.00 |
| | | 923 | | 2.00 | | 0.00 |
| 673 | 1759 | 243 | 231.00 | 2.00 | 150.0000 | 0.00 |

| 674 | 923 | 1243 | 32.00 | 2.00 | 150.0000 | 0.00 |
|--------|------|------|---------|------|----------|------|
| 675 | 1243 | 2551 | 163.00 | 2.00 | 150.0000 | 0.00 |
| 676 | 2551 | 134 | 181.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 677 | 134 | 272 | 106.00 | 2.00 | 150.0000 | 0.00 |
| 678 | 272 | 5204 | 69.00 | 2.00 | 150.0000 | 0.00 |
| 679 | 5204 | 5205 | 304.00 | 2.00 | 150.0000 | 0.00 |
| 680 | 5205 | 109 | 157.00 | 2.00 | 150.0000 | 0.00 |
| 681 | 109 | 615 | 169.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 682 | 5202 | 2127 | 389.00 | 2.00 | 150.0000 | 0.00 |
| 683 | 2127 | 482 | 182.00 | 2.00 | 150.0000 | 0.00 |
| 684 | 5190 | 310 | 1056.00 | 2.00 | 150.0000 | 0.00 |
| 685 | 310 | 2089 | 634.00 | 2.00 | 150.0000 | 0.00 |
| 686 | 2089 | 1964 | 497.00 | 2.00 | 150.0000 | 0.00 |
| 687 | 1964 | 312 | 318.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 688 | 312 | 309 | 521.00 | 2.00 | 150.0000 | 0.00 |
| 689 | 1060 | 5207 | 944.00 | 4.00 | 150.0000 | 0.00 |
| 690 | 5207 | 237 | 776.00 | 2.00 | 150.0000 | 0.00 |
| 691 | 237 | 1939 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 692 | 1939 | 369 | 320.00 | 2.00 | 150.0000 | 0.00 |
| 693 | 975 | 641 | 931.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 694 | 5033 | 1293 | 115.00 | 6.00 | 150.0000 | 0.00 |
| 695 | 5033 | J-11 | 343.00 | 6.00 | 150.0000 | 0.00 |
| 697 | 5207 | 8024 | 369.00 | 4.00 | 150.0000 | 0.00 |
| 698 | 8024 | 1228 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 699 | 1228 | 2219 | 781.00 | 2.00 | 150.0000 | 0.00 |
| 700 | 2219 | 5209 | 170.00 | 2.00 | | |
| | | | | | 150.0000 | 0.00 |
| 701 | 5209 | 691 | 210.00 | 1.50 | 150.0000 | 0.00 |
| 702 | 691 | 717 | 252.00 | 1.50 | 150.0000 | 0.00 |
| 703 | 717 | 1971 | 100.00 | 1.50 | 150.0000 | 0.00 |
| 704 | 1971 | 1084 | 410.00 | 1.50 | 150.0000 | 0.00 |
| 705 | 1084 | 2680 | 102.00 | 1.50 | 150.0000 | 0.00 |
| 706 | 2680 | 1815 | 97.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 707 | 5210 | 5211 | 50.00 | 1.50 | 150.0000 | 0.00 |
| 708 | 5209 | 5210 | 749.00 | 2.00 | 150.0000 | 0.00 |
| 709 | 5210 | 807 | 60.00 | 1.50 | 150.0000 | 0.00 |
| 710 | 5211 | 374 | 280.00 | 1.00 | 150.0000 | 0.00 |
| 711 | 5211 | 831 | 60.00 | 1.50 | 150.0000 | 0.00 |
| 712 | 807 | 830 | 220.00 | 1.50 | 150.0000 | 0.00 |
| | | | | | | |
| 713 | 831 | 1913 | 220.00 | 1.50 | 150.0000 | 0.00 |
| 714 | 830 | 7034 | 867.00 | 1.50 | 150.0000 | 0.00 |
| 715 | 1913 | 1805 | 840.00 | 1.50 | 150.0000 | 0.00 |
| 716 | 7034 | 1703 | 404.00 | 1.50 | 150.0000 | 0.00 |
| 717 | 1703 | 7 | 100.00 | 3.00 | 150.0000 | 0.00 |
| 718 | 1805 | 1065 | 740.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 719 | 1065 | 1555 | 160.00 | 1.00 | 150.0000 | 0.00 |
| 720-XX | 1555 | 5212 | 1479.00 | 2.00 | 150.0000 | 0.00 |
| 721 | 5214 | 5213 | 616.00 | 2.00 | 150.0000 | 0.00 |
| 722 | 5213 | 5212 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 723 | 5212 | 2289 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 724 | 5213 | 2592 | 174.00 | 2.00 | 150.0000 | 0.00 |
| 725 | | 271 | 550.00 | 2.00 | 150.0000 | |
| | 2592 | | | | | 0.00 |
| 726 | 271 | 5215 | 2668.00 | 2.00 | 150.0000 | 0.00 |
| 727 | 5215 | 260 | 2013.00 | 2.00 | 150.0000 | 0.00 |
| 728 | 5215 | 1831 | 2303.00 | 2.50 | 150.0000 | 0.00 |
| 729 | 260 | 1992 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 730 | 1992 | 1837 | 229.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 731 | 1831 | 1647 | 758.00 | 2.50 | 150.0000 | 0.00 |
| 732 | 1647 | 1645 | 101.00 | 2.50 | 150.0000 | 0.00 |
| 733 | 1645 | 1922 | 139.00 | 2.50 | 150.0000 | 0.00 |
| 734 | 1922 | 2696 | 911.00 | 2.50 | 150.0000 | 0.00 |
| 735 | 2696 | 5216 | 462.00 | 2.50 | 150.0000 | 0.00 |
| 736 | 5216 | 2063 | 249.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 737 | 2063 | 679 | 284.00 | 2.00 | 150.0000 | 0.00 |
| 738 | 679 | 2520 | 407.00 | 2.00 | 150.0000 | 0.00 |
| 739 | 2520 | 1355 | 237.00 | 2.00 | 150.0000 | 0.00 |
| 740 | 1355 | 2400 | 380.00 | 2.00 | 150.0000 | 0.00 |
| 741 | 5216 | 2412 | 524.00 | 3.00 | 150.0000 | 0.00 |
| 742 | 2412 | 543 | 62.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 743 | 543 | 2403 | 363.00 | 3.00 | 150.0000 | 0.00 |
| 744 | 5217 | 348 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 745 | 348 | 305 | 73.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 746 | 305 | 1509 | 367.00 | 2.00 | 150.0000 | 0.00 |
|------------|--------------|--------------|-------------------|--------------|----------------------|--------------|
| 747 | 1509 | 1009 | 812.00 | 2.00 | 150.0000 | 0.00 |
| 748 | 1009 | 996 | 107.00 | 2.00 | 150.0000 | 0.00 |
| 749 | 996 | 313 | 633.00 | 2.00 | 150.0000 | 0.00 |
| 750 | 313 | 1904 | 62.00 | 2.00 | 150.0000 | 0.00 |
| 751 | 1904 | 1557 | 705.00 | 2.00 | 150.0000 | 0.00 |
| 752 | 1557 | 537 | 249.00 | 2.00 | 150.0000 | 0.00 |
| 753
754 | 537
1544 | 1544
2262 | 597.00
481.00 | 2.00 | 150.0000
150.0000 | 0.00 |
| 754
755 | 2262 | 1908 | 133.00 | 2.00 | 150.0000 | 0.00 |
| 756 | 1908 | 1738 | 5.00 | 2.00 | 150.0000 | 0.00 |
| 757 | 1738 | 2121 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 758 | 2121 | 396 | 897.00 | 2.00 | 150.0000 | 0.00 |
| 759 | 396 | 518 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 760 | 518 | 1597 | 190.00 | 2.00 | 150.0000 | 0.00 |
| 761 | 2403 | 5217 | 45.00 | 3.00 | 150.0000 | 0.00 |
| 762 | 5217 | 5218 | 125.00 | 3.00 | 150.0000 | 0.00 |
| 765 | 7035 | 2229 | 114.00 | 6.00 | 150.0000 | 0.00 |
| 766 | 536 | 2229 | 240.00 | 6.00 | 150.0000 | 0.00 |
| 767 | 536 | 2290 | 951.00 | 6.00 | 150.0000 | 0.00 |
| 768 | 1461
1677 | 2290
1461 | 30.00 | 6.00 | 150.0000 | 0.00 |
| 769
770 | 10 | 1677 | 120.00
202.00 | 6.00
6.00 | 150.0000
150.0000 | 0.00 |
| 771 | 79 | 10 | 531.00 | 6.00 | 150.0000 | 0.00 |
| 772 | 1613 | 79 | 917.00 | 6.00 | 150.0000 | 0.00 |
| 773 | 2278 | 1613 | 657.00 | 6.00 | 150.0000 | 0.00 |
| 774 | 96 | 2278 | 71.00 | 6.00 | 150.0000 | 0.00 |
| 775 | 5219 | 96 | 407.00 | 6.00 | 150.0000 | 0.00 |
| 776 | 5219 | 5220 | 1323.00 | 2.00 | 150.0000 | 0.00 |
| 778 | 5221 | 55 | 239.00 | 6.00 | 150.0000 | 0.00 |
| 779 | 55 | 8073 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 780 | 8073 | 1334 | 1282.00 | 6.00 | 150.0000 | 0.00 |
| 781 | 1334 | 450 | 360.00 | 6.00 | 150.0000 | 0.00 |
| 782 | 450 | 156 | 204.00 | 6.00 | 150.0000 | 0.00 |
| 783
784 | 156
1152 | 1152
1713 | 520.00
584.00 | 6.00
6.00 | 150.0000
150.0000 | 0.00
0.00 |
| 785 | 1713 | 218 | 520.00 | 6.00 | 150.0000 | 0.00 |
| 786 | 218 | 885 | 456.00 | 6.00 | 150.0000 | 0.00 |
| 787 | 885 | 2101 | 1970.00 | 6.00 | 150.0000 | 0.00 |
| 788 | 2101 | 7036 | 542.00 | 6.00 | 150.0000 | 0.00 |
| 789 | 7036 | 1411 | 1075.00 | 6.00 | 150.0000 | 0.00 |
| 790 | 1411 | 136 | 348.00 | 6.00 | 150.0000 | 0.00 |
| 791 | 136 | 1699 | 701.00 | 6.00 | 150.0000 | 0.00 |
| 792 | 1699 | 1206 | 25.00 | 6.00 | 150.0000 | 0.00 |
| 793 | 1206 | 1549
2109 | 342.00 | 6.00 | 150.0000 | 0.00 |
| 794
795 | 1549
2109 | 740 | 3265.00
170.00 | 6.00
6.00 | 150.0000
150.0000 | 0.00
0.00 |
| 796 | 740 | 8002 | 270.00 | 6.00 | 150.0000 | 0.00 |
| 797 | 8002 | 5222 | 381.00 | 6.00 | 150.0000 | 0.00 |
| 798 | 5222 | 1661 | 479.00 | 6.00 | 150.0000 | 0.00 |
| 799 | 1661 | 5223 | 25.00 | 6.00 | 150.0000 | 0.00 |
| 800 | 5223 | 5224 | 30.00 | 6.00 | 150.0000 | 0.00 |
| 801 | 5224 | 1163 | 60.00 | 6.00 | 150.0000 | 0.00 |
| 802 | 1163 | 377 | 56.00 | 6.00 | 150.0000 | 0.00 |
| 803 | 377 | 1938 | 562.00 | 6.00 | 150.0000 | 0.00 |
| 804 | 1938 | 5171 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 805 | 5171 | 2343 | 297.00 | 4.00 | 150.0000 | 0.00 |
| 806 | 2343 | 1263 | 237.00 | 4.00 | 150.0000 | 0.00 |
| 807
808 | 5223
32 | 32
5225 | 145.00
455.00 | 4.00 | 150.0000
150.0000 | 0.00
0.00 |
| 809 | 5225 | 169 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 810 | 5225 | 5226 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 811 | 5226 | 1116 | 186.00 | 4.00 | 150.0000 | 0.00 |
| 812 | 5225 | 1098 | 261.00 | 2.00 | 150.0000 | 0.00 |
| 813 | 1116 | 1012 | 493.00 | 4.00 | 150.0000 | 0.00 |
| 814 | 1012 | 1120 | 270.00 | 4.00 | 150.0000 | 0.00 |
| 815 | 1122 | 1120 | 220.00 | 4.00 | 150.0000 | 0.00 |
| 816 | 1122 | 1896 | 372.00 | 4.00 | 150.0000 | 0.00 |
| 817 | 1896 | 1097 | 172.00 | 4.00 | 150.0000 | 0.00 |
| 818 | 5228 | 2712 | 84.00 | 4.00 | 150.0000 | 0.00 |
| 819 | 2641 | 2712 | 190.00 | 4.00 | 150.0000 | 0.00 |

| 820 | 2641 | 2522 | 145.00 | 4.00 | 150.0000 | 0.00 |
|-----|------|------|---------|------|----------|------|
| 821 | 2522 | 678 | 243.00 | 4.00 | 150.0000 | |
| | | | | | | 0.00 |
| 822 | 678 | 5227 | 88.00 | 4.00 | 150.0000 | 0.00 |
| 823 | 1097 | 5228 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 824 | 5227 | 5229 | 110.00 | 4.00 | 150.0000 | 0.00 |
| 825 | 5227 | 1198 | 1037.00 | 2.00 | 150.0000 | 0.00 |
| 826 | 5229 | 327 | 1357.00 | 4.00 | 150.0000 | 0.00 |
| 827 | 5230 | | | | | |
| | | 2408 | 1192.00 | 2.00 | 150.0000 | 0.00 |
| 828 | 2408 | 1338 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 829 | 1338 | 2003 | 382.00 | 2.00 | 150.0000 | 0.00 |
| 830 | 2003 | 8007 | 180.00 | 2.00 | 150.0000 | 0.00 |
| 831 | 8006 | 5231 | 2766.00 | 4.00 | 150.0000 | 0.00 |
| 832 | 5231 | 749 | 1252.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 833 | 749 | 1533 | 300.00 | 4.00 | 150.0000 | 0.00 |
| 834 | 1533 | 1295 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 835 | 1295 | 5232 | 240.00 | 4.00 | 150.0000 | 0.00 |
| 836 | 5232 | 1299 | 109.00 | 2.50 | 150.0000 | 0.00 |
| 837 | 1299 | 1374 | 465.00 | 2.50 | 150.0000 | 0.00 |
| 838 | 1374 | 1577 | 480.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 839 | 1577 | 1660 | 584.00 | 2.50 | 150.0000 | 0.00 |
| 840 | 1660 | 1662 | 954.00 | 2.50 | 150.0000 | 0.00 |
| 841 | 1662 | 5233 | 151.00 | 2.50 | 150.0000 | 0.00 |
| 842 | 5233 | 1838 | 242.00 | 2.00 | 150.0000 | 0.00 |
| 843 | 1838 | 1914 | 72.00 | 2.00 | 150.0000 | 0.00 |
| 844 | 1914 | 476 | 101.00 | | 150.0000 | |
| | | | | 2.00 | | 0.00 |
| 845 | 476 | 2328 | 808.00 | 2.00 | 150.0000 | 0.00 |
| 846 | 2328 | 2317 | 181.00 | 2.00 | 150.0000 | 0.00 |
| 847 | 2317 | 2372 | 608.00 | 2.00 | 150.0000 | 0.00 |
| 848 | 2372 | 1322 | 2110.00 | 2.00 | 150.0000 | 0.00 |
| 849 | 5233 | 2602 | 369.00 | 2.00 | 150.0000 | 0.00 |
| 850 | 2602 | 36 | 302.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 851 | 36 | 26 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 852 | 26 | 8008 | 554.00 | 2.00 | 150.0000 | 0.00 |
| 853 | 8008 | 5234 | 2434.00 | 2.00 | 150.0000 | 0.00 |
| 854 | 5234 | 14 | 298.00 | 2.00 | 150.0000 | 0.00 |
| 855 | 14 | 1622 | 462.00 | 2.00 | 150.0000 | 0.00 |
| 856 | 5234 | 1624 | 518.00 | | 150.0000 | |
| | | | | 2.00 | | 0.00 |
| 857 | 1624 | 1623 | 352.00 | 2.00 | 150.0000 | 0.00 |
| 858 | 5219 | 5235 | 3739.00 | 6.00 | 150.0000 | 0.00 |
| 859 | 5235 | 1277 | 904.00 | 2.00 | 150.0000 | 0.00 |
| 860 | 1277 | 5236 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 861 | 5236 | 1700 | 380.00 | 1.00 | 150.0000 | 0.00 |
| 862 | 5236 | 773 | 414.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 863 | 1192 | 5235 | 1463.00 | 6.00 | 150.0000 | 0.00 |
| 864 | 2479 | 1192 | 108.00 | 6.00 | 150.0000 | 0.00 |
| 865 | 1144 | 2479 | 523.00 | 6.00 | 150.0000 | 0.00 |
| 866 | 2259 | 1144 | 1559.00 | 6.00 | 150.0000 | 0.00 |
| 867 | 5237 | 2259 | 1478.00 | 6.00 | 150.0000 | 0.00 |
| 868 | 5237 | 1960 | 1569.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 869 | 1960 | 1318 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 870 | 1318 | 258 | 182.00 | 2.00 | 150.0000 | 0.00 |
| 871 | 258 | 800 | 111.00 | 2.00 | 150.0000 | 0.00 |
| 872 | 5237 | 2081 | 315.00 | 2.00 | 150.0000 | 0.00 |
| 873 | 2081 | 2454 | 317.00 | 2.00 | 150.0000 | 0.00 |
| 874 | 2454 | 616 | 80.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 875 | 616 | 5238 | 518.00 | 2.00 | 150.0000 | 0.00 |
| 876 | 2387 | 5237 | 66.00 | 6.00 | 150.0000 | 0.00 |
| 877 | 5239 | 2387 | 2023.00 | 6.00 | 150.0000 | 0.00 |
| 878 | 1207 | 5239 | 747.00 | 6.00 | 150.0000 | 0.00 |
| 879 | 349 | 1207 | 1061.00 | 6.00 | 150.0000 | 0.00 |
| | | | | 6.00 | | |
| 880 | 1070 | 349 | 309.00 | | 150.0000 | 0.00 |
| 881 | 5240 | 1070 | 124.00 | 6.00 | 150.0000 | 0.00 |
| 882 | 5240 | 763 | 5062.00 | 3.00 | 150.0000 | 0.00 |
| 883 | 8050 | 5240 | 198.00 | 6.00 | 150.0000 | 0.00 |
| 884 | 2166 | 8050 | 141.00 | 6.00 | 150.0000 | 0.00 |
| 885 | 1552 | 2166 | 682.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 886 | 2485 | 1552 | 449.00 | 6.00 | 150.0000 | 0.00 |
| 887 | 2485 | 2460 | 180.00 | 6.00 | 150.0000 | 0.00 |
| 888 | 2460 | 5241 | 1298.00 | 6.00 | 150.0000 | 0.00 |
| 889 | 5241 | 1312 | 72.00 | 6.00 | 150.0000 | 0.00 |
| 890 | 1312 | 1073 | 2330.00 | 6.00 | 150.0000 | 0.00 |
| 000 | | 10,0 | -550.00 | 5.00 | _55.5555 | 0.00 |

| 891 | 1073 | 1373 | 358.00 | 6.00 | 150.0000 | 0.00 |
|-----|---------|------------|---------|------|----------------------|------|
| 892 | 1373 | 1608 | 45.00 | 6.00 | 150.0000 | 0.00 |
| 893 | 1608 | 5242 | 210.00 | 6.00 | 150.0000 | 0.00 |
| 894 | 5242 | 5243 | 266.00 | 2.00 | 150.0000 | 0.00 |
| 895 | 5243 | 2362 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 896 | 5242 | 2606 | 166.00 | 6.00 | 150.0000 | 0.00 |
| 897 | 2606 | 2593 | 401.00 | 6.00 | 150.0000 | 0.00 |
| 898 | 5244 | 339 | 1319.00 | 2.00 | 150.0000 | 0.00 |
| 899 | 339 | 2639 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 900 | 5244 | 5245 | 2405.00 | 6.00 | 150.0000 | 0.00 |
| 901 | 2593 | 5244 | 1097.00 | 6.00 | 150.0000 | 0.00 |
| 902 | 5245 | J-52 | 50.00 | 6.00 | 150.0000 | 0.00 |
| 903 | J-52 | 1264 | 181.00 | 6.00 | 150.0000 | 0.00 |
| 904 | 1264 | 7037 | 61.00 | 6.00 | 150.0000 | 0.00 |
| 905 | 7037 | 1718 | 142.00 | 6.00 | 150.0000 | 0.00 |
| 906 | 1718 | 7038 | 101.00 | 6.00 | 150.0000 | 0.00 |
| 907 | 7038 | 1304 | 282.00 | 6.00 | 150.0000 | |
| | 1304 | 5246 | 20.00 | 6.00 | | 0.00 |
| 908 | 5246 | 1965 | 110.00 | 6.00 | 150.0000
150.0000 | 0.00 |
| 909 | 5246 | 154 | | | | 0.00 |
| 910 | | | 33.00 | 6.00 | 150.0000 | 0.00 |
| 911 | 154 | 157
766 | 198.00 | 6.00 | 150.0000 | 0.00 |
| 912 | 157 | | 642.00 | 6.00 | 150.0000 | 0.00 |
| 913 | 766 | 1518 | 290.00 | 6.00 | 150.0000 | 0.00 |
| 914 | 1518 | 2567 | 197.00 | 6.00 | 150.0000 | 0.00 |
| 915 | 2567 | 2398 | 724.00 | 6.00 | 150.0000 | 0.00 |
| 916 | 2398 | 1313 | 310.00 | 6.00 | 150.0000 | 0.00 |
| 917 | 1313 | 1239 | 367.00 | 6.00 | 150.0000 | 0.00 |
| 918 | 1239 | 5247 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 919 | 5248 | 64 | 272.00 | 2.00 | 150.0000 | 0.00 |
| 920 | 5248 | 333 | 256.00 | 2.00 | 150.0000 | 0.00 |
| 921 | 5247 | 5248 | 4148.00 | 2.00 | 150.0000 | 0.00 |
| 922 | 5247 | 1494 | 564.00 | 6.00 | 150.0000 | 0.00 |
| 923 | 1494 | 5249 | 494.00 | 6.00 | 150.0000 | 0.00 |
| 924 | 5249 | 1561 | 122.00 | 2.00 | 150.0000 | 0.00 |
| 925 | 1561 | 2472 | 145.00 | 2.00 | 150.0000 | 0.00 |
| 926 | 5249 | 2334 | 290.00 | 6.00 | 150.0000 | 0.00 |
| 927 | 2334 | 2525 | 80.00 | 6.00 | 150.0000 | 0.00 |
| 928 | 2525 | 5250 | 180.00 | 6.00 | 150.0000 | 0.00 |
| 929 | 5250 | 343 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 930 | 5250 | 340 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 931 | 5250 | 5251 | 534.00 | 6.00 | 150.0000 | 0.00 |
| 932 | 5251 | 7039 | 876.00 | 6.00 | 150.0000 | 0.00 |
| 933 | 7039 | 2428 | 158.00 | 6.00 | 150.0000 | 0.00 |
| 934 | 5252 | 167 | 233.00 | 2.00 | 150.0000 | 0.00 |
| 935 | 167 | 2242 | 112.00 | 2.00 | 150.0000 | 0.00 |
| 936 | 2428 | 5252 | 96.00 | 6.00 | 150.0000 | 0.00 |
| 937 | 1241 | 33 | 169.00 | 6.00 | 150.0000 | 0.00 |
| 938 | 33 | 1580 | 72.00 | 6.00 | 150.0000 | 0.00 |
| 939 | 33 | 1062 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 940 | 1545 | 1580 | 1276.00 | 6.00 | 150.0000 | 0.00 |
| 941 | 1545 | 1708 | 611.00 | 6.00 | 150.0000 | 0.00 |
| 942 | 1708 | 2527 | 81.00 | 6.00 | 150.0000 | 0.00 |
| 943 | 2527 | 1607 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 944 | 1607 | 1901 | 15.00 | 6.00 | 150.0000 | 0.00 |
| 945 | 1901 | 1688 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 946 | 1607 | 2647 | 302.00 | 6.00 | 150.0000 | 0.00 |
| 947 | 2647 | 2220 | 320.00 | 6.00 | 150.0000 | 0.00 |
| 948 | 2220 | 761 | 245.00 | 6.00 | 150.0000 | 0.00 |
| 949 | 761 | 1970 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 950 | 1970 | 1694 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 951 | 1694 | 760 | 201.00 | 6.00 | 150.0000 | 0.00 |
| 952 | 760 | 252 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 953 | 760 | 1081 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 954 | 1081 | 228 | 201.00 | 6.00 | 150.0000 | 0.00 |
| 955 | 228 | 7040 | 112.00 | 6.00 | 150.0000 | 0.00 |
| 956 | 7040 | 648 | 130.00 | 6.00 | 150.0000 | 0.00 |
| 957 | 648 | 341 | 60.00 | 6.00 | 150.0000 | 0.00 |
| 958 | 341 | 225 | 121.00 | 6.00 | 150.0000 | 0.00 |
| 959 | 225 | 338 | 94.00 | 6.00 | 150.0000 | 0.00 |
| 960 | 338 | 2476 | 178.00 | 6.00 | 150.0000 | 0.00 |
| 961 | 2476 | 1326 | 206.00 | 6.00 | 150.0000 | 0.00 |
| | ~ . / 0 | | | | | 5.00 |

| 962 | 1326 | 2070 | 351.00 | 6.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 963 | 5252 | 1241 | 532.00 | 6.00 | 150.0000 | 0.00 |
| | | 710 | | | 150.0000 | |
| 964 | 5245 | | 445.00 | 6.00 | | 0.00 |
| 965 | 710 | 329 | 1573.00 | 6.00 | 150.0000 | 0.00 |
| 966 | 329 | 250 | 40.00 | 6.00 | 150.0000 | 0.00 |
| 967 | 250 | 249 | 4156.00 | 6.00 | 150.0000 | 0.00 |
| 968 | 249 | 1980 | 1216.00 | 6.00 | 150.0000 | 0.00 |
| | | | 126.00 | 6.00 | 150.0000 | |
| 969 | 1980 | 5254 | | | | 0.00 |
| 970 | 5254 | 572 | 168.00 | 2.00 | 150.0000 | 0.00 |
| 971 | 572 | 5255 | 4029.00 | 2.00 | 150.0000 | 0.00 |
| 972 | 5255 | 5256 | 1394.00 | 2.00 | 150.0000 | 0.00 |
| 973 | 5255 | 5257 | 3169.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 974 | 5254 | 5258 | 1648.00 | 6.00 | 150.0000 | 0.00 |
| 975 | 5258 | 5259 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 976 | 5259 | 180 | 104.00 | 2.00 | 150.0000 | 0.00 |
| 977 | 180 | 1016 | 316.00 | 2.00 | 150.0000 | 0.00 |
| 978 | | 66 | 202.00 | 2.00 | 150.0000 | 0.00 |
| | 1016 | | | | | |
| 979 | 5260 | 223 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 980 | 223 | 226 | 1102.00 | 2.00 | 150.0000 | 0.00 |
| 981 | 226 | 752 | 628.00 | 2.00 | 150.0000 | 0.00 |
| 982 | 752 | 1416 | 458.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 983 | 5260 | 8074 | 3980.00 | 6.00 | 150.0000 | 0.00 |
| 984 | 8074 | 1932 | 70.00 | 6.00 | 150.0000 | 0.00 |
| 985 | 1932 | 1525 | 272.00 | 6.00 | 150.0000 | 0.00 |
| 986 | 1525 | 1579 | 87.00 | 2.00 | 150.0000 | 0.00 |
| 987 | 1525 | 664 | 1012.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 988 | 664 | 782 | 3905.00 | 6.00 | 150.0000 | 0.00 |
| 989 | 782 | 1363 | 816.00 | 6.00 | 150.0000 | 0.00 |
| 990 | 1363 | 926 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 991 | 5258 | J-69 | 4790.00 | 6.00 | 150.0000 | 0.00 |
| 992 | 2070 | 5253 | 60.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 993 | 5253 | 7041 | 889.00 | 6.00 | 150.0000 | 0.00 |
| 994 | 7041 | 1996 | 1210.00 | 6.00 | 150.0000 | 0.00 |
| 995 | 1996 | 1454 | 206.00 | 6.00 | 150.0000 | 0.00 |
| 996 | 1454 | 1371 | 1068.00 | 6.00 | 150.0000 | 0.00 |
| 997 | 1371 | 1370 | 158.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 998 | 5253 | 5262 | 152.00 | 3.00 | 150.0000 | 0.00 |
| 999 | 5262 | 514 | 1781.00 | 3.00 | 150.0000 | 0.00 |
| 1000 | 514 | 5263 | 1440.00 | 3.00 | 150.0000 | 0.00 |
| 1001 | 5263 | 586 | 2365.00 | 3.00 | 150.0000 | 0.00 |
| 1002 | 586 | 7042 | 212.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1003 | 7042 | 1550 | 1644.00 | 3.00 | 150.0000 | 0.00 |
| 1004 | 1550 | 5264 | 2486.00 | 3.00 | 150.0000 | 0.00 |
| 1005 | 5264 | 5265 | 1479.00 | 3.00 | 150.0000 | 0.00 |
| 1006 | 5265 | 2011 | 2145.00 | 2.00 | 150.0000 | 0.00 |
| 1007 | 5265 | 5266 | 1737.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1008 | 5266 | 147 | 1240.00 | 3.00 | 150.0000 | 0.00 |
| 1009 | 147 | 2145 | 1780.00 | 3.00 | 150.0000 | 0.00 |
| 1010 | 2145 | 5267 | 442.00 | 3.00 | 150.0000 | 0.00 |
| 1011 | 5267 | 2214 | 879.00 | 1.00 | 150.0000 | 0.00 |
| 1012 | 5267 | 5268 | 4312.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1013 | 5268 | 145 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 1014 | 5268 | 68 | 1639.00 | 3.00 | 150.0000 | 0.00 |
| 1015 | 68 | 1687 | 1024.00 | 3.00 | 150.0000 | 0.00 |
| 1016 | 1687 | 191 | 444.00 | 3.00 | 150.0000 | 0.00 |
| 1017 | 191 | 1949 | 920.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1018 | 1949 | 5269 | 4363.00 | 3.00 | 150.0000 | 0.00 |
| 1019 | 5269 | 5270 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1020 | 5270 | 2158 | 767.00 | 2.00 | 150.0000 | 0.00 |
| 1021 | 5269 | 767 | 581.00 | 3.00 | 150.0000 | 0.00 |
| 1022 | 767 | 1967 | 7065.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1023 | 5089 | 1967 | 4459.00 | 3.00 | 150.0000 | 0.00 |
| 1024 | 5089 | 5271 | 838.00 | 2.50 | 150.0000 | 0.00 |
| 1025 | 5271 | 5272 | 450.00 | 2.00 | 150.0000 | 0.00 |
| 1026 | 5271 | 2046 | 891.00 | 2.50 | 150.0000 | 0.00 |
| 1027 | 2046 | 1209 | 3105.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 1028 | 1209 | 5273 | 86.00 | 2.50 | 150.0000 | 0.00 |
| 1029 | 5273 | 2288 | 600.00 | 2.50 | 150.0000 | 0.00 |
| 1030 | 2288 | 1164 | 1432.00 | 2.50 | 150.0000 | 0.00 |
| 1031 | 1164 | 498 | 2072.00 | 2.00 | 150.0000 | 0.00 |
| | | 5275 | 163.00 | 6.00 | 150.0000 | 0.00 |
| 1032 | 5274 | J4/3 | 703.00 | 5.00 | 150.0000 | 0.00 |

| 1033 | | | | | | | |
|---|------|------|------|---------|------|----------|------|
| 1034 | 1033 | 5275 | 2627 | 15.00 | 6.00 | 150 0000 | 0 00 |
| 1035 | | | | | | | |
| 1036 | | | | | | | |
| 1037 | | | | | | | |
| 1038 | | | | | | | |
| 1039 | | | | | | | |
| 1040 | 1038 | | | 300.00 | 6.00 | 150.0000 | 0.00 |
| 1041 | 1039 | 230 | 2251 | | 6.00 | 150.0000 | 0.00 |
| 1042 | 1040 | 230 | 2141 | 420.00 | 6.00 | 150.0000 | 0.00 |
| 1042 | 1041 | 2141 | 1633 | 100.00 | 6.00 | 150,0000 | 0.00 |
| 1044 | | | | | | | |
| 1044 | | | | | | | |
| 1046 | | | | | | | |
| 1046 | | | | | | | |
| 1047 | | | | | | | |
| 1048 | 1046 | 5277 | 1057 | 888.00 | 2.00 | 150.0000 | 0.00 |
| 1049 | 1047 | 1057 | 857 | 915.00 | 2.00 | 150.0000 | 0.00 |
| 1050 | 1048 | 5277 | 137 | 320.00 | 6.00 | 150.0000 | 0.00 |
| 1050 | 1049 | 137 | 1599 | 61.00 | 6.00 | 150.0000 | 0.00 |
| 1051 | | | | | | | |
| 1052 | | | | | | | |
| 1053 | | | | | | | |
| 1054 | | | | | | | |
| 1055 | | | | | | | |
| 1056 | 1054 | 1133 | 5279 | 1834.00 | 2.00 | 150.0000 | 0.00 |
| 1057 | 1055 | 5279 | 1034 | 1497.00 | 2.00 | 150.0000 | 0.00 |
| 1057 | 1056 | 1034 | 2686 | 502.00 | 2.00 | 150.0000 | 0.00 |
| 1058 | | 5281 | 1654 | 474.00 | | 150.0000 | 0.00 |
| 1059 | | | | | | | |
| 1060 | | | | | | | |
| 1061 | | | | | | | |
| 1062 | | | | | | | |
| 1063 | 1061 | 2048 | | | 2.00 | 150.0000 | 0.00 |
| 1064 | 1062 | 5280 | 1501 | 225.00 | 2.00 | 150.0000 | 0.00 |
| 1065 | 1063 | 5280 | 1460 | 535.00 | 2.00 | 150.0000 | 0.00 |
| 1065 | 1064 | 1460 | 1641 | 266.00 | 2.00 | 150.0000 | 0.00 |
| 1066 | | | | | | | |
| 1067 1459 302 1118.00 6.00 150.0000 0.00 1068 302 1979 2694.00 6.00 150.0000 0.00 1070 5282 1697 108.00 6.00 150.0000 0.00 1071 1697 1151 458.00 6.00 150.0000 0.00 1072 1151 2332 355.00 6.00 150.0000 0.00 1073 2332 5283 559.00 6.00 150.0000 0.00 1074 5321 5284 441.00 2.00 150.0000 0.00 1075 5284 5285 253.00 2.00 150.0000 0.00 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 | | | | | | | |
| 1068 | | | | | | | |
| 1069 | | | | | | | |
| 1070 | | | | | | | |
| 1071 1697 1151 458.00 6.00 150.0000 0.00 1072 1151 2332 355.00 6.00 150.0000 0.00 1073 2332 5283 559.00 6.00 150.0000 0.00 1074 5321 5284 441.00 2.00 150.0000 0.00 1075 5284 5285 253.00 2.00 150.0000 0.00 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 116.00 2.00 150.0000 0.00 1081 125 5286 4541.00 2.00 150.0000 0.00 1082 1225 5286 | | | | | | | |
| 1072 1151 2332 355.00 6.00 150.0000 0.00 1073 2332 5283 559.00 6.00 150.0000 0.00 1074 5321 5284 441.00 2.00 150.0000 0.00 1075 5284 5285 253.00 2.00 150.0000 0.00 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 | 1070 | 5282 | 1697 | | 6.00 | 150.0000 | 0.00 |
| 1073 2332 5283 559.00 6.00 150.0000 0.00 1074 5321 5284 441.00 2.00 150.0000 0.00 1075 5284 5285 253.00 2.00 150.0000 0.00 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 | 1071 | 1697 | 1151 | 458.00 | 6.00 | 150.0000 | 0.00 |
| 1074 5321 5284 441.00 2.00 150.0000 0.00 1075 5284 5285 253.00 2.00 150.0000 0.00 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 | 1072 | 1151 | 2332 | 355.00 | 6.00 | 150.0000 | 0.00 |
| 1074 5321 5284 441.00 2.00 150.0000 0.00 1075 5284 5285 253.00 2.00 150.0000 0.00 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 | 1073 | 2332 | 5283 | 559.00 | 6.00 | 150.0000 | 0.00 |
| 1075 5284 5285 253.00 2.00 150.0000 0.00 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 1225 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1087 924 5287 | | | | | | | |
| 1076 5285 1214 3226.00 2.00 150.0000 0.00 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 | | | | | | | |
| 1077 1214 927 454.00 2.00 150.0000 0.00 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 | | | | | | | |
| 1078 927 935 64.00 2.00 150.0000 0.00 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1090 1010 1492 | | | | | | | |
| 1079 935 1216 605.00 2.00 150.0000 0.00 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1099 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 | | | | | | | |
| 1080 1216 125 1116.00 2.00 150.0000 0.00 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 | | | | | | | |
| 1081 125 1225 272.00 2.00 150.0000 0.00 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1093 903 201 | 1079 | 935 | 1216 | | 2.00 | 150.0000 | 0.00 |
| 1082 1225 5286 4541.00 2.00 150.0000 0.00 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1092 2698 903 50.00 4.00 150.0000 0.00 1093 903 201 | 1080 | 1216 | 125 | 1116.00 | 2.00 | 150.0000 | 0.00 |
| 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1092 2698 903 50.00 4.00 150.0000 0.00 1093 903 201 300.00 4.00 150.0000 0.00 1094 201 5288 | 1081 | 125 | 1225 | 272.00 | 2.00 | 150.0000 | 0.00 |
| 1083 5286 2056 2429.00 2.00 150.0000 0.00 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1092 2698 903 50.00 4.00 150.0000 0.00 1093 903 201 300.00 4.00 150.0000 0.00 1094 201 5288 | 1082 | 1225 | 5286 | 4541.00 | 2.00 | 150.0000 | 0.00 |
| 1084 2056 2057 401.00 2.00 150.0000 0.00 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1092 2698 903 50.00 4.00 150.0000 0.00 1093 903 201 300.00 4.00 150.0000 0.00 1094 201 5288 856.00 4.00 150.0000 0.00 1095 5288 248 | | | | | | | |
| 1085 2057 2058 50.00 2.00 150.0000 0.00 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1092 2698 903 50.00 4.00 150.0000 0.00 1093 903 201 300.00 4.00 150.0000 0.00 1094 201 5288 856.00 4.00 150.0000 0.00 1095 5288 248 110.00 2.00 150.0000 0.00 1096 5288 248 | | | | | | | |
| 1086 5050 924 1151.00 6.00 150.0000 0.00 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1092 2698 903 50.00 4.00 150.0000 0.00 1093 903 201 300.00 4.00 150.0000 0.00 1094 201 5288 856.00 4.00 150.0000 0.00 1095 5288 2295 15.00 2.00 150.0000 0.00 1096 5288 248 110.00 2.00 150.0000 0.00 1097 248 865 < | | | | | | | |
| 1087 924 5287 705.00 6.00 150.0000 0.00 1088 5287 2634 675.00 6.00 150.0000 0.00 1089 2634 1510 370.00 6.00 150.0000 0.00 1090 1010 1492 1751.00 4.00 150.0000 0.00 1091 1010 2698 200.00 4.00 150.0000 0.00 1092 2698 903 50.00 4.00 150.0000 0.00 1093 903 201 300.00 4.00 150.0000 0.00 1094 201 5288 856.00 4.00 150.0000 0.00 1095 5288 2295 15.00 2.00 150.0000 0.00 1096 5288 248 110.00 2.00 150.0000 0.00 1097 248 865 1019.00 2.00 150.0000 0.00 1099 5289 841 < | | | | | | | |
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| 1175 | 7044 | 5304 | 1236.00 | 8.00 | 150.0000 | 0.00 |
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| 1176 | 5304 | 1269 | 2090.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1177 | 1269 | 1086 | 607.00 | 8.00 | 150.0000 | 0.00 |
| 1178 | 1086 | 1919 | 364.00 | 8.00 | 150.0000 | 0.00 |
| 1179 | 1919 | 7045 | 2404.00 | 8.00 | 150.0000 | 0.00 |
| 1180 | 7045 | 224 | 282.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1181 | 224 | 5305 | 1350.00 | 8.00 | 150.0000 | 0.00 |
| 1182 | 5305 | 2010 | 3930.00 | 4.00 | 150.0000 | 0.00 |
| 1183 | 2010 | 2024 | 2968.00 | 4.00 | 150.0000 | 0.00 |
| 1184 | 2024 | 5306 | 252.00 | 4.00 | 150.0000 | |
| | | | | | | 0.00 |
| 1185 | 5306 | 497 | 46.00 | 1.00 | 150.0000 | 0.00 |
| 1186 | 497 | 1985 | 577.00 | 1.00 | 150.0000 | 0.00 |
| 1187 | 1985 | 332 | 1553.00 | 1.00 | 150.0000 | 0.00 |
| 1188 | 332 | 1077 | 33.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1189 | 5306 | 5307 | 4608.00 | 3.00 | 150.0000 | 0.00 |
| 1190 | 5307 | 5308 | 1527.00 | 3.00 | 150.0000 | 0.00 |
| 1191 | 5308 | 2037 | 443.00 | 2.00 | 150.0000 | 0.00 |
| 1192 | 2037 | 2389 | 321.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1193 | 2389 | 5311 | 194.00 | 2.00 | 150.0000 | 0.00 |
| 1194 | 2205 | 2517 | 163.00 | 2.00 | 150.0000 | 0.00 |
| 1195 | 5311 | 2617 | 241.00 | 2.00 | 150.0000 | 0.00 |
| 1196 | 5308 | 5309 | 878.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1197 | 5309 | 5310 | 585.00 | 2.00 | 150.0000 | 0.00 |
| 1198 | 5310 | 2301 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 1199 | 5310 | 1851 | 345.00 | 2.00 | 150.0000 | 0.00 |
| 1200 | 1851 | 2440 | 20.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1201 | 5309 | 2181 | 66.00 | 2.00 | 150.0000 | 0.00 |
| 1202 | 2181 | 2246 | 207.00 | 2.00 | 150.0000 | 0.00 |
| 1203 | 2246 | 2182 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1204 | 2182 | 1638 | 60.00 | 2.00 | 150.0000 | 0.00 |
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| 1205 | 1638 | 2463 | 285.00 | 2.00 | 150.0000 | 0.00 |
| 1206 | 2463 | 2188 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 1207 | 2206 | 1438 | 163.00 | 2.00 | 150.0000 | 0.00 |
| 1208 | 1438 | 2183 | 82.00 | 2.00 | 150.0000 | 0.00 |
| | 2183 | 1226 | 26.00 | | | |
| 1209 | | | | 2.00 | 150.0000 | 0.00 |
| 1210 | 1226 | 2439 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1211 | 5305 | 2110 | 176.00 | 8.00 | 150.0000 | 0.00 |
| 1212 | 2110 | 5312 | 154.00 | 8.00 | 150.0000 | 0.00 |
| 1213 | 5312 | 1771 | 311.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1214 | 1771 | 410 | 275.00 | 2.00 | 150.0000 | 0.00 |
| 1215 | 410 | 2215 | 527.00 | 2.00 | 150.0000 | 0.00 |
| 1216 | 2215 | 2090 | 721.00 | 2.00 | 150.0000 | 0.00 |
| 1217 | 2090 | 2701 | 603.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1218 | 2701 | 2248 | 316.00 | 2.00 | 150.0000 | 0.00 |
| 1219 | 2248 | 2069 | 355.00 | 2.00 | 150.0000 | 0.00 |
| 1220 | 2069 | 2065 | 361.00 | 2.00 | 150.0000 | 0.00 |
| 1221 | 5312 | 2236 | 851.00 | 8.00 | 150.0000 | 0.00 |
| 1222 | 5313 | 5314 | 2644.00 | 3.00 | 150.0000 | 0.00 |
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| 1223 | 5314 | 1032 | 504.00 | 2.00 | 150.0000 | 0.00 |
| 1224 | 1032 | 8048 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 1225 | 8048 | 1072 | 576.00 | 2.00 | 150.0000 | 0.00 |
| 1226 | 5314 | 1161 | 82.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1227 | 1161 | 5315 | 4080.00 | 3.00 | 150.0000 | 0.00 |
| 1228 | 5315 | 7047 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1229 | 7047 | 7046 | 32.00 | 2.00 | 150.0000 | 0.00 |
| 1230 | 7046 | 5316 | 243.00 | 2.00 | 150.0000 | 0.00 |
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| 1231 | 5316 | 1524 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 1232 | 1524 | 161 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 1233 | 5316 | 5317 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 1234 | 5317 | 311 | 56.00 | 2.00 | 150.0000 | 0.00 |
| | 311 | 5318 | 141.00 | 2.00 | 150.0000 | 0.00 |
| 1235 | | | | | | |
| 1236 | 5318 | 2261 | 248.00 | 2.00 | 150.0000 | 0.00 |
| 1237 | 2261 | 1011 | 175.00 | 2.00 | 150.0000 | 0.00 |
| 1238 | 5317 | 1907 | 97.00 | 2.00 | 150.0000 | 0.00 |
| 1239 | 1907 | 303 | 66.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1240 | 303 | 324 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1241 | 324 | 344 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 1242 | 344 | 19 | 242.00 | 2.00 | 150.0000 | 0.00 |
| 1243 | 19 | 5319 | 118.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1244 | 5315 | 7048 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1245 | 7048 | 7049 | 117.00 | 2.00 | 150.0000 | 0.00 |

| 1246 | 7049 | 5319 | 222.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 1247 | 5319 | 56 | 85.00 | 4.00 | 150.0000 | 0.00 |
| 1248 | 56 | 203 | 94.00 | | | |
| | | | | 2.00 | 150.0000 | 0.00 |
| 1249 | 203 | 268 | 463.00 | 2.00 | 150.0000 | 0.00 |
| 1250 | 268 | 7050 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1251 | 7050 | 1975 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 1252 | 1975 | 7051 | 274.00 | 2.00 | 150.0000 | 0.00 |
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| 1253 | 7051 | 265 | 107.00 | 2.00 | 150.0000 | 0.00 |
| 1254 | 265 | 160 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 1255 | 5050 | 5321 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 1256 | 5283 | 5321 | 431.00 | 6.00 | 150.0000 | 0.00 |
| 1257 | 2699 | 5058 | 599.00 | 2.50 | 150.0000 | 0.00 |
| | 5275 | | 300.00 | | | |
| 1258 | | 1492 | | 4.00 | 150.0000 | 0.00 |
| 1259 | 2188 | 2206 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 1260 | 160 | 5320 | 33.00 | 2.00 | 150.0000 | 0.00 |
| 1261 | 5320 | 1188 | 38.00 | 2.00 | 150.0000 | 0.00 |
| 1262 | 1188 | 490 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1263 | 490 | 1018 | 232.00 | 2.00 | | |
| | | | | | 150.0000 | 0.00 |
| 1264 | 1018 | 337 | 495.00 | 2.00 | 150.0000 | 0.00 |
| 1265 | 337 | 16 | 229.00 | 2.00 | 150.0000 | 0.00 |
| 1266 | 16 | 2339 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 1267 | 2339 | 255 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 1268 | 255 | 213 | 10.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 1269 | 213 | 229 | 64.00 | 2.00 | 150.0000 | 0.00 |
| 1270 | 229 | 293 | 76.00 | 2.00 | 150.0000 | 0.00 |
| 1271 | 293 | 259 | 16.00 | 2.00 | 150.0000 | 0.00 |
| 1272 | 259 | 5318 | 179.00 | 2.00 | 150.0000 | 0.00 |
| 1273 | 5320 | 5322 | 735.00 | 2.00 | 150.0000 | 0.00 |
| | | 1196 | | | | |
| 1274 | 5322 | | 255.00 | 2.00 | 150.0000 | 0.00 |
| 1275 | 5322 | 5323 | 961.00 | 2.00 | 150.0000 | 0.00 |
| 1276 | 5323 | 8052 | 131.00 | 2.00 | 150.0000 | 0.00 |
| 1277 | 5323 | 5324 | 368.00 | 2.00 | 150.0000 | 0.00 |
| 1278 | 2236 | 5313 | 102.00 | 8.00 | 150.0000 | 0.00 |
| 1279 | 5313 | 1446 | 30.00 | 8.00 | | |
| | | | | | 150.0000 | 0.00 |
| 1280 | 1446 | 2595 | 815.00 | 8.00 | 150.0000 | 0.00 |
| 1281 | 2595 | 1449 | 331.00 | 8.00 | 150.0000 | 0.00 |
| 1282 | 1449 | 2552 | 515.00 | 8.00 | 150.0000 | 0.00 |
| 1283 | 2552 | 791 | 110.00 | 8.00 | 150.0000 | 0.00 |
| 1284 | 791 | 2313 | 649.00 | 8.00 | 150.0000 | 0.00 |
| | 2313 | 475 | | | | |
| 1285 | | | 494.00 | 8.00 | 150.0000 | 0.00 |
| 1286 | 475 | 5325 | 2179.00 | 8.00 | 150.0000 | 0.00 |
| 1287 | 5325 | 7052 | 94.00 | 2.00 | 150.0000 | 0.00 |
| 1288 | 7052 | 7053 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 1289 | 7053 | 854 | 320.00 | 2.00 | 150.0000 | 0.00 |
| 1290 | 854 | 657 | 179.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1291 | 657 | 2004 | 198.00 | 2.00 | 150.0000 | 0.00 |
| 1292 | 5326 | 2620 | 2361.00 | 1.50 | 150.0000 | 0.00 |
| 1293 | 2620 | 2718 | 13.00 | 1.50 | 150.0000 | 0.00 |
| 1294 | 2718 | 1507 | 13.00 | 1.50 | 150.0000 | 0.00 |
| 1296 | 5325 | 893 | 231.00 | 8.00 | 150.0000 | 0.00 |
| | 893 | 1346 | 1204.00 | | | |
| 1297 | | | | 8.00 | 150.0000 | 0.00 |
| 1298 | 1346 | 5327 | 73.00 | 8.00 | 150.0000 | 0.00 |
| 1299 | 5327 | 8038 | 448.00 | 3.00 | 150.0000 | 0.00 |
| 1300 | 8038 | 8037 | 51.00 | 3.00 | 150.0000 | 0.00 |
| 1301 | 8037 | 2559 | 287.00 | 3.00 | 150.0000 | 0.00 |
| 1302 | 2559 | 1704 | 624.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1303 | 1704 | 240 | 893.00 | 3.00 | 150.0000 | 0.00 |
| 1304 | 240 | 1644 | 691.00 | 3.00 | 150.0000 | 0.00 |
| 1305 | 1644 | 1190 | 110.00 | 3.00 | 150.0000 | 0.00 |
| 1306 | 1190 | 1903 | 183.00 | 3.00 | 150.0000 | 0.00 |
| 1307 | 1903 | 2470 | 333.00 | 3.00 | 150.0000 | 0.00 |
| | 2470 | | | | | 0.00 |
| 1308 | | 7054 | 80.00 | 3.00 | 150.0000 | |
| 1309 | 7054 | 5328 | 325.00 | 3.00 | 150.0000 | 0.00 |
| 1310 | 5328 | 202 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 1311 | 202 | 1588 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 1312 | 1588 | 1827 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1313 | 1827 | 1423 | 71.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1314 | 1423 | 2230 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 1315 | 2230 | 1943 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1316 | 1943 | 7055 | 155.00 | 2.00 | 150.0000 | 0.00 |
| 1317 | 5328 | 5329 | 2300.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1318 | 5329 | 1840 | 1207.00 | 2.50 | 150.0000 | 0.00 |
|---------|------------|------|---------|------|----------|------|
| 1319 | 1840 | 5330 | 1552.00 | 2.50 | 150.0000 | 0.00 |
| 1320 | 5330 | 907 | 1206.00 | 2.00 | 150.0000 | 0.00 |
| 1321 | 5329 | 1984 | 782.00 | 2.50 | 150.0000 | 0.00 |
| 1323 | 1984 | 7073 | 602.00 | 2.50 | 150.0000 | 0.00 |
| 1324 | 5076 | 2432 | 3058.00 | 2.00 | 150.0000 | 0.00 |
| 1325 | 2432 | 2055 | 2356.00 | 2.00 | 150.0000 | |
| 1326 | 7073 | 1000 | 100.00 | 2.50 | | 0.00 |
| | | | | | 150.0000 | 0.00 |
| 1327 | 1000 | 1729 | 897.00 | 2.50 | 150.0000 | 0.00 |
| 1328 | 1729 | 5331 | 2957.00 | 2.50 | 150.0000 | 0.00 |
| 1329 | 5331 | 5332 | 4006.00 | 2.50 | 150.0000 | 0.00 |
| 1330 | 5332 | 2413 | 283.00 | 2.50 | 150.0000 | 0.00 |
| 1331 | 2413 | 5333 | 30.00 | 2.50 | 150.0000 | 0.00 |
| 1332 | 5333 | 1574 | 417.00 | 2.50 | 150.0000 | 0.00 |
| 1333 | 1574 | 2007 | 365.00 | 2.50 | 150.0000 | 0.00 |
| 1334 | 2007 | 1270 | 415.00 | 2.50 | 150.0000 | 0.00 |
| 1335 | 5334 | 5136 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1336 | 2444 | 5334 | 54.00 | 2.00 | 150.0000 | 0.00 |
| 1337 | 1270 | 120 | 406.00 | 2.00 | 150.0000 | 0.00 |
| 1338 | 120 | 1340 | 251.00 | 2.00 | 150.0000 | 0.00 |
| 1339 | 1370 | J-63 | 1837.00 | 6.00 | 150.0000 | 0.00 |
| 1340-CV | FGN-LLHemp | | 10.00 | 6.00 | 150.0000 | 0.00 |
| 1341 | 716 | 5336 | 1758.00 | 6.00 | 150.0000 | 0.00 |
| 1342 | 8059 | 5336 | | | | |
| | | | 10.00 | 4.00 | 150.0000 | 0.00 |
| 1343 | 1198 | 5230 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 1344 | 327 | 8006 | 2657.00 | 4.00 | 150.0000 | 0.00 |
| 1345 | 1837 | 2455 | 188.00 | 2.00 | 150.0000 | 0.00 |
| 1346 | 5214 | 1698 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 1347 | 5261 | 926 | 1353.00 | 6.00 | 150.0000 | 0.00 |
| 1348 | 5336 | 1348 | 118.00 | 1.00 | 150.0000 | 0.00 |
| 1349 | 1348 | 1037 | 407.00 | 1.00 | 150.0000 | 0.00 |
| 1350 | 1037 | 2265 | 100.00 | 1.00 | 150.0000 | 0.00 |
| 1351 | 2265 | 2274 | 100.00 | 1.00 | 150.0000 | 0.00 |
| 1352 | 1348 | 1023 | 52.00 | 1.00 | 150.0000 | 0.00 |
| 1353 | 1017 | 1336 | 35.00 | 6.00 | 150.0000 | 0.00 |
| 1354 | 5336 | 1017 | 84.00 | 6.00 | 150.0000 | 0.00 |
| 1355 | 1336 | 5337 | 371.00 | 6.00 | 150.0000 | 0.00 |
| 1356 | 5337 | 1728 | 230.00 | 6.00 | 150.0000 | 0.00 |
| 1357 | 1728 | 2589 | 144.00 | 6.00 | 150.0000 | 0.00 |
| 1358 | 2589 | 5338 | 222.00 | 6.00 | 150.0000 | 0.00 |
| 1359 | 5337 | 5339 | 1061.00 | 2.00 | 150.0000 | 0.00 |
| 1360 | 5339 | 5340 | 232.00 | 2.00 | 150.0000 | |
| | | | 215.00 | | | 0.00 |
| 1361 | 5340 | 1055 | | 2.00 | 150.0000 | 0.00 |
| 1362 | 1055 | 661 | 81.00 | 2.00 | 150.0000 | 0.00 |
| 1363 | 5339 | 2238 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1364 | 2238 | 1720 | 180.00 | 2.00 | 150.0000 | 0.00 |
| 1365 | 1720 | 8061 | 72.00 | 2.00 | 150.0000 | 0.00 |
| 1366 | 8061 | 1721 | 168.00 | 2.00 | 150.0000 | 0.00 |
| 1367 | 1721 | 820 | 107.00 | 2.00 | 150.0000 | 0.00 |
| 1368 | 820 | 2555 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1369 | 5338 | 731 | 816.00 | 6.00 | 150.0000 | 0.00 |
| 1370 | 731 | 2649 | 1054.00 | 6.00 | 150.0000 | 0.00 |
| 1371 | 2649 | 5341 | 209.00 | 6.00 | 150.0000 | 0.00 |
| 1372 | 5341 | 5342 | 1951.00 | 6.00 | 150.0000 | 0.00 |
| 1373 | 5342 | 72 | 261.00 | 6.00 | 150.0000 | 0.00 |
| 1374 | 5344 | 2108 | 97.00 | 3.00 | 150.0000 | 0.00 |
| 1375 | 72 | 8070 | 521.00 | 6.00 | 150.0000 | 0.00 |
| 1376 | 5344 | 5345 | 473.00 | 3.00 | 150.0000 | 0.00 |
| 1377 | 5345 | 2315 | 20.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1378 | 5345 | 5346 | 422.00 | 3.00 | 150.0000 | 0.00 |
| 1379 | 5346 | 5343 | 80.00 | 3.00 | 150.0000 | 0.00 |
| 1380 | 5343 | 2280 | 323.00 | 3.00 | 150.0000 | 0.00 |
| 1381 | 2280 | 1695 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 1382 | 1695 | 2282 | 289.00 | 3.00 | 150.0000 | 0.00 |
| 1383 | 2282 | 2139 | 308.00 | 2.00 | 150.0000 | 0.00 |
| 1384 | 2139 | 2116 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 1385 | 2116 | 2268 | 185.00 | 2.00 | 150.0000 | 0.00 |
| 1386 | 2315 | 2306 | 280.00 | 3.00 | 150.0000 | 0.00 |
| 1387 | 8070 | 1543 | 448.00 | 6.00 | 150.0000 | 0.00 |
| 1388 | 2306 | 5347 | 359.00 | 3.00 | 150.0000 | 0.00 |
| 1389 | 1543 | 254 | 508.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1390 | 5347 | 5348 | 291.00 | 3.00 | 150.0000 | 0.00 |
|------|--------------|------|---------|------|----------|------|
| 1391 | 5347 | 2397 | 261.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1392 | 2397 | 2379 | 194.00 | 2.00 | 150.0000 | 0.00 |
| 1393 | 2379 | 2330 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 1394 | 5348 | 2338 | 13.00 | 6.00 | 150.0000 | 0.00 |
| 1395 | 2338 | 478 | 227.00 | 6.00 | 150.0000 | 0.00 |
| 1396 | 5327 | 716 | 98.00 | 6.00 | 150.0000 | 0.00 |
| | | 72 | | | | |
| 1397 | 5344 | | 110.00 | 3.00 | 150.0000 | 0.00 |
| 1398 | 5348 | 254 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 1399 | 478 | 5350 | 231.00 | 6.00 | 150.0000 | 0.00 |
| 1400 | 5350 | 5349 | 2472.00 | 6.00 | 150.0000 | 0.00 |
| 1401 | 5349 | 2643 | 280.00 | 6.00 | 150.0000 | 0.00 |
| 1402 | 2643 | 493 | 100.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1403 | 493 | 2013 | 192.00 | 6.00 | 150.0000 | 0.00 |
| 1404 | 2013 | 2143 | 178.00 | 6.00 | 150.0000 | 0.00 |
| 1405 | 2143 | 2359 | 33.00 | 6.00 | 150.0000 | 0.00 |
| 1406 | 358 | 5351 | 94.00 | 6.00 | 150.0000 | 0.00 |
| 1407 | 5351 | 1473 | 26.00 | 2.00 | 150.0000 | 0.00 |
| 1408 | 5351 | 1508 | 186.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1409 | 5349 | 1233 | 371.00 | 2.00 | 150.0000 | 0.00 |
| 1410 | 2359 | 358 | 76.00 | 6.00 | 150.0000 | 0.00 |
| 1411 | 1508 | 5352 | 83.00 | 6.00 | 150.0000 | 0.00 |
| 1412 | 5351 | 2346 | 73.00 | 4.00 | 150.0000 | 0.00 |
| 1413 | 5352 | 1917 | 48.00 | 6.00 | 150.0000 | 0.00 |
| | | 1066 | | | | |
| 1414 | 1917 | | 39.00 | 6.00 | 150.0000 | 0.00 |
| 1415 | 1066 | 51 | 201.00 | 6.00 | 150.0000 | 0.00 |
| 1416 | 51 | 1280 | 310.00 | 6.00 | 150.0000 | 0.00 |
| 1417 | 1280 | 5353 | 23.00 | 6.00 | 150.0000 | 0.00 |
| 1418 | 5353 | 2142 | 174.00 | 6.00 | 150.0000 | 0.00 |
| 1419 | 2142 | 1893 | 174.00 | 6.00 | 150.0000 | 0.00 |
| | | 708 | 228.00 | 6.00 | | |
| 1420 | 1893 | | | | 150.0000 | 0.00 |
| 1421 | 708 | 647 | 150.00 | 6.00 | 150.0000 | 0.00 |
| 1422 | 647 | 5354 | 64.00 | 6.00 | 150.0000 | 0.00 |
| 1423 | 5354 | 5 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 1424 | 5 | 1522 | 138.00 | 2.00 | 150.0000 | 0.00 |
| 1425 | 1522 | 1604 | 55.00 | 2.00 | 150.0000 | 0.00 |
| | | | 270.00 | | | |
| 1426 | 1522 | 5355 | | 2.00 | 150.0000 | 0.00 |
| 1427 | 5354 | 5356 | 256.00 | 6.00 | 150.0000 | 0.00 |
| 1428 | 5 356 | 1327 | 591.00 | 3.00 | 150.0000 | 0.00 |
| 1429 | 1327 | 2042 | 277.00 | 3.00 | 150.0000 | 0.00 |
| 1430 | 2042 | 1278 | 276.00 | 3.00 | 150.0000 | 0.00 |
| 1431 | 1278 | 2128 | 556.00 | 3.00 | 150.0000 | 0.00 |
| 1432 | 2128 | | 204.00 | 3.00 | 150.0000 | 0.00 |
| | | 1951 | | | | |
| 1433 | 1951 | 1948 | 796.00 | 3.00 | 150.0000 | 0.00 |
| 1434 | 1948 | 1825 | 202.00 | 3.00 | 150.0000 | 0.00 |
| 1435 | 1825 | 5357 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 1436 | 5357 | 1114 | 781.00 | 3.00 | 150.0000 | 0.00 |
| 1437 | 5357 | 864 | 388.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 1438 | 864 | 1950 | 570.00 | 3.00 | | 0.00 |
| 1439 | 1950 | 2170 | 598.00 | 3.00 | 150.0000 | 0.00 |
| 1440 | 2170 | 2264 | 821.00 | 3.00 | 150.0000 | 0.00 |
| 1441 | 2264 | 5358 | 725.00 | 3.00 | 150.0000 | 0.00 |
| 1442 | 5358 | 896 | 1002.00 | 3.00 | 150.0000 | 0.00 |
| 1443 | 896 | 1443 | 389.00 | 3.00 | 150.0000 | 0.00 |
| | | | 81.00 | 2.00 | 150.0000 | |
| 1444 | 5359 | 1928 | | | | 0.00 |
| 1445 | 1928 | 2124 | 37.00 | 2.00 | 150.0000 | 0.00 |
| 1446 | 2124 | 8009 | 118.00 | 2.00 | 150.0000 | 0.00 |
| 1447 | 2113 | 2371 | 229.00 | 2.00 | 150.0000 | 0.00 |
| 1448 | 2371 | 2563 | 92.00 | 2.00 | 150.0000 | 0.00 |
| 1449 | 2563 | 5360 | 55.00 | 2.00 | 150.0000 | 0.00 |
| | | | | 2.00 | | 0.00 |
| 1450 | 5360 | 2292 | 20.00 | | 150.0000 | |
| 1452 | 858 | J-1 | 68.00 | 2.00 | 150.0000 | 0.00 |
| 1453 | 5361 | 746 | 27.00 | 3.00 | 150.0000 | 0.00 |
| 1454 | 5361 | 2469 | 41.00 | 3.00 | 150.0000 | 0.00 |
| 1455 | 2469 | 1671 | 43.00 | 3.00 | 150.0000 | 0.00 |
| 1456 | 1671 | 1581 | 27.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1457 | 1581 | 2566 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 1458 | 2566 | 5362 | 60.00 | 3.00 | 150.0000 | 0.00 |
| 1459 | 5362 | 529 | 16.00 | 3.00 | 150.0000 | 0.00 |
| 1460 | 529 | 883 | 88.00 | 3.00 | 150.0000 | 0.00 |
| 1461 | 883 | 5363 | 50.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1462 | 5363 | 2160 | 225.00 | 2.00 | 150.0000 | 0.00 |
|--------------|--------|------|--------|------|----------|------|
| | | | | | | |
| 1463 | 5363 | 1266 | 55.00 | 3.00 | 150.0000 | 0.00 |
| 1464 | 1266 | 1616 | 134.00 | 3.00 | 150.0000 | 0.00 |
| 1465 | 5364 | 2692 | 65.00 | 2.00 | | |
| | | | | | 150.0000 | 0.00 |
| 1466 | 2692 | 5365 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 1467 | 5365 | 241 | 30.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1468 | 241 | 1727 | 50.00 | 1.00 | 150.0000 | 0.00 |
| 1469 | 5364 | 8010 | 220.00 | 2.00 | 150.0000 | 0.00 |
| 1470 | 8010 | 1706 | 72.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1471 | 1727 | 186 | 34.00 | 1.00 | 150.0000 | 0.00 |
| 1472 | 1706 | 1474 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1473 | 1474 | 1495 | 50.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1474 | 1495 | 336 | 173.00 | 2.00 | 150.0000 | 0.00 |
| 1475 | 336 | 8068 | 95.00 | 2.00 | 150.0000 | 0.00 |
| 1476 | 8068 | 1505 | 40.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1477 | 1505 | 2564 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1478 | 2564 | 967 | 93.00 | 2.00 | 150.0000 | 0.00 |
| 1479 | 967 | 231 | 35.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1480 | 231 | 2600 | 38.00 | 2.00 | 150.0000 | 0.00 |
| 1481 | 2600 | 2165 | 22.00 | 2.00 | 150.0000 | 0.00 |
| 1482 | 2165 | 2448 | 101.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1483 | 2448 | 1619 | 42.00 | 2.00 | 150.0000 | 0.00 |
| 1484 | 1619 | 2254 | 57,00 | 2.00 | 150.0000 | 0.00 |
| | 2254 | 8011 | 104.00 | 2.00 | 150.0000 | |
| 1485 | | | | | | 0.00 |
| 1486 | 8011 | 373 | 78.00 | 2.00 | 150.0000 | 0.00 |
| 1487 | 373 | 2235 | 27.00 | 2.00 | 150.0000 | 0.00 |
| | 288 | 290 | 111.00 | 2.00 | 150.0000 | |
| 1488 | | | | | | 0.00 |
| 1489 | 5366 | 288 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 1490 | 288 | 479 | 129.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1491 | 5366 | 132 | 79.00 | 2.00 | 150.0000 | 0.00 |
| 1492 | 132 | 40 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1493 | 40 | 2191 | 53.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1494 | 2191 | 2032 | 68.00 | 2.00 | 150.0000 | 0.00 |
| 1495 | 5367 | 1481 | 247.00 | 3.00 | 150.0000 | 0.00 |
| 1496 | 1481 | 852 | 39.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1497 | 852 | 8013 | 59.00 | 3.00 | 150.0000 | 0.00 |
| 1498 | 8012 | 1707 | 36.00 | 3.00 | 150.0000 | 0.00 |
| 1499 | 1707 | 8013 | 56.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1500 | 8013 | 1145 | 146.00 | 3.00 | 150.0000 | 0.00 |
| 150 1 | 5362 | 236 | 94.00 | 3.00 | 150.0000 | 0.00 |
| 1502 | 236 | 1145 | 135.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1503 | 5367 | 5368 | 228.00 | 3.00 | 150.0000 | 0.00 |
| 1504 | 2032 | 5367 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 1505 | 5368 | 5359 | 267.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1506 | 5368 | 5369 | 223.00 | 4.00 | 150.0000 | 0.00 |
| 1507 | 5369 | 2231 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 1508 | 2231 | 5370 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 1509 | 5370 | 2311 | 75.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1510 | 2311 | 777 | 224.00 | 2.00 | 150.0000 | 0.00 |
| 1511 | 777 | 910 | 188.00 | 2.00 | 150.0000 | 0.00 |
| | 5369 | 1535 | 140.00 | 4.00 | 150.0000 | 0.00 |
| 1512 | | | | | | |
| 1513 | 1535 | 577 | 81.00 | 4.00 | 150.0000 | 0.00 |
| 1514 | 577 | 1091 | 16.00 | 4.00 | 150.0000 | 0.00 |
| | | 2111 | 76.00 | 4.00 | 150.0000 | 0.00 |
| 1515 | 1091 | | | | | |
| 1516 | 2111 | 1169 | 112.00 | 4.00 | 150.0000 | 0.00 |
| 1517 | 1169 | 730 | 64.00 | 4.00 | 150.0000 | 0.00 |
| | 730 | 433 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 1518 | | | | | | |
| 1519 | 433 | 1041 | 120.00 | 4.00 | 150.0000 | 0.00 |
| 1520 | 592 | 541 | 37.00 | 4.00 | 150.0000 | 0.00 |
| 1521 | 541 | 140 | 46.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1522 | 140 | 2407 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 1523 | 2407 | 7056 | 76.00 | 4.00 | 150.0000 | 0.00 |
| 1524 | 1041 | 592 | 55.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1525 | 7056 | 123 | 83.00 | 4.00 | 150.0000 | 0.00 |
| 1526 | 123 | 918 | 50.00 | 4.00 | 150.0000 | 0.00 |
| | 918 | 1027 | 66.00 | 4.00 | 150.0000 | 0.00 |
| 1527 | | | | | | |
| 1528 | 1027 | 997 | 20.00 | 4.00 | 150.0000 | 0.00 |
| 1529 | 997 | 1583 | 45.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1530 | 1583 | 1626 | 40.00 | 4.00 | 150.0000 | 0.00 |
| 1531 | 1626 | 2425 | 79.00 | 4.00 | 150.0000 | 0.00 |
| 1532 | 2425 | 550 | 30.00 | 4.00 | 150.0000 | 0.00 |
| | لاعتدا | 333 | 20.20 | | | |

| 1533 | 550 | 233 | 24.00 | 4.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 1534 | 233 | 383 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 1535 | 383 | 5371 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 1536 | 5371 | 659 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 1537 | 5371 | 5372 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 1538 | 5372 | 1972 | 25.00 | 4.00 | 150.0000 | 0.00 |
| 1539 | 5372 | 1350 | 121.00 | 4.00 | 150.0000 | 0.00 |
| 1540 | 1350 | 1625 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 1541 | 1625 | 256 | 45.00 | 4.00 | 150.0000 | 0.00 |
| 1542 | 256 | 783 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 1543 | 783 | 1514 | 71.00 | 4.00 | 150.0000 | 0.00 |
| 1544 | 1514 | 1059 | 75.00 | 4.00 | 150.0000 | 0.00 |
| 1545 | 1059 | 2093 | 31.00 | 4.00 | 150.0000 | 0.00 |
| 1546 | 2093 | 8014 | 81.00 | 4.00 | 150.0000 | 0.00 |
| 1547 | 8014 | 526 | 144.00 | 4.00 | 150.0000 | 0.00 |
| 1548 | 526 | 2308 | 102.00 | 4.00 | 150.0000 | 0.00 |
| 1549 | 2308 | 944 | 96.00 | 4.00 | 150.0000 | 0.00 |
| 1550 | 944 | 5373 | 123.00 | 4.00 | 150.0000 | 0.00 |
| 1551 | 5373 | 2493 | 61.00 | 4.00 | 150.0000 | 0.00 |
| 1552 | 2493 | 1600 | 91.00 | 4.00 | 150.0000 | 0.00 |
| 1553 | 1600 | 1892 | 115.00 | 4.00 | 150.0000 | 0.00 |
| 1554 | 1892 | 1458 | 352.00 | 4.00 | 150.0000 | 0.00 |
| 1555 | 1458 | 859 | 81.00 | 4.00 | 150.0000 | 0.00 |
| 1556 | 859 | 888 | 73.00 | 4.00 | 150.0000 | 0.00 |
| 1557 | 888 | 2227 | 15.00 | 4.00 | 150.0000 | 0.00 |
| 1558 | 2227 | 1477 | 266.00 | 4.00 | 150.0000 | 0.00 |
| 1559 | 2346 | 1477 | 32.00 | 4.00 | 150.0000 | 0.00 |
| 1560 | 5373 | 124 | 217.00 | 3.00 | 150.0000 | 0.00 |
| 1561 | 124 | 5374 | 68.00 | 3.00 | 150.0000 | 0.00 |
| 1562 | 5374 | 602 | 57.00 | 2.00 | 150.0000 | 0.00 |
| 1563 | 602 | 533 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 1564 | 533 | 879 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 1565 | 879 | 1978 | 26.00 | 2.00 | 150.0000 | 0.00 |
| 1566 | 1978 | 964 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1567 | 964 | 1487 | 36.00 | 2.00 | 150.0000 | 0.00 |
| 1568 | 1487 | 834 | 109.00 | 2.00 | 150.0000 | 0.00 |
| 1569 | 834 | 2273 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 1570 | 2273 | 2169 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1571 | 2169 | 1710 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 1572 | 1710 | 1737 | 127.00 | 2.00 | 150.0000 | 0.00 |
| 1573 | 1737 | 980 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 1574 | 980 | 1669 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1575 | 1669 | 2293 | 123.00 | 2.00 | 150.0000 | 0.00 |
| 1576 | 2293 | 778 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 1577 | 778 | 77 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1578 | 481 | 779 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1579 | 5361 | 5375 | 365.00 | 3.00 | 150.0000 | 0.00 |
| 1580 | 5375 | 5376 | 2168.00 | 3.00 | 150.0000 | 0.00 |
| 1581 | 5376 | 405 | 221.00 | 2.00 | 150.0000 | 0.00 |
| 1582 | 405 | 2547 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 1583 | 2547 | 1921 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1584 | 1921 | 2542 | 231.00 | 2.00 | 150.0000 | 0.00 |
| 1585 | 2542 | 2543 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1586 | 2543 | 584 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 1587 | 584 | 978 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1588 | 5376 | 235 | 32.00 | 3.00 | 150.0000 | 0.00 |
| 1589 | 235 | 42 | 156.00 | 4.00 | 150.0000 | 0.00 |
| 1590 | 42 | 2579 | 102.00 | 3.00 | 150.0000 | 0.00 |
| 1591 | 2579 | 113 | 72.00 | 3.00 | 150.0000 | 0.00 |
| 1592 | 113 | 438 | 33.00 | 3.00 | 150.0000 | 0.00 |
| 1593 | 438 | 2473 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 1594 | 2473 | 5377 | 108.00 | 3.00 | 150.0000 | 0.00 |
| 1595 | 5377 | 5378 | 537.00 | 3.00 | 150.0000 | 0.00 |
| 1596 | 5378 | 1031 | 160.00 | 2.00 | 150.0000 | 0.00 |
| 1597 | 1031 | 1183 | 214.00 | 2.00 | 150.0000 | 0.00 |
| 1598 | 1183 | 1185 | 316.00 | 2.00 | 150.0000 | 0.00 |
| 1599 | 1185 | 2625 | 187.00 | 2.00 | 150.0000 | 0.00 |
| 1600 | 2625 | 1448 | 256.00 | 2.00 | 150.0000 | 0.00 |
| 1601 | 5378 | 8025 | 94.00 | 3.00 | 150.0000 | 0.00 |
| 1602 | 8025 | 5379 | 371.00 | 3.00 | 150.0000 | 0.00 |
| 1603 | 5379 | 5380 | 1030.00 | 2.00 | 150.0000 | 0.00 |

| 1604 | 5380 | 35 | 482.00 | 4.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 1605 | 35 | 1722 | 38.00 | 2.00 | 150.0000 | 0.00 |
| 1606 | 1722 | 2613 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 1607 | 2613 | 1127 | 29.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1608 | 1127 | 1430 | 165.00 | 2.00 | 150.0000 | 0.00 |
| 1609 | 1430 | 1733 | 476.00 | 2.00 | 150.0000 | 0.00 |
| 1610 | 1733 | 900 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 1611 | 900 | 2630 | 105.00 | 2.00 | 150.0000 | 0.00 |
| 1612 | 2630 | 2707 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 1613 | 2707 | 5381 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 1614 | 5381 | 2618 | 61.00 | 2.00 | 150.0000 | 0.00 |
| 1615 | 5381 | 5380 | 974.00 | 2.00 | 150.0000 | 0.00 |
| 1616 | 5379 | 2104 | 32.00 | 3.00 | 150.0000 | 0.00 |
| 1617 | 2104 | 911 | 67.00 | 3.00 | 150.0000 | 0.00 |
| 1618 | 5342 | 47 | 2624.00 | 6.00 | 150.0000 | 0.00 |
| 1619 | 47 | 2538 | 116.00 | 4.00 | 150.0000 | 0.00 |
| 1620 | 2538 | 5382 | 328.00 | 4.00 | 150.0000 | |
| | | | | | | 0.00 |
| 1621 | 5382 | 5383 | 390.00 | 4.00 | 150.0000 | 0.00 |
| 1622 | 5383 | 2747 | 71.00 | 2.00 | 150.0000 | 0.00 |
| 1623 | 2747 | 2742 | 11.00 | 2.00 | 150.0000 | 0.00 |
| 1624 | 2742 | 2752 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 1625 | 2752 | 2771 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 1626 | 2771 | 2744 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1627 | 2744 | 7057 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 1628 | 7057 | 2733 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1629 | 2733 | 2746 | 97.00 | 2.00 | 150.0000 | 0.00 |
| 1630 | 2746 | 2736 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1631 | 5383 | 5384 | 203.00 | 4.00 | 150.0000 | 0.00 |
| 1632 | 5384 | 2766 | 31.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1633 | 5384 | 2770 | 143.00 | 4.00 | 150.0000 | 0.00 |
| 1634 | 2770 | 2760 | 85.00 | 4.00 | 150.0000 | 0.00 |
| 1635 | 5384 | 2741 | 21.00 | 4.00 | 150.0000 | 0.00 |
| 1636 | 2741 | 2759 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 1637 | 2759 | 8071 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 1638 | 8071 | 2754 | 44.00 | 4.00 | 150.0000 | 0.00 |
| 1639 | 2754 | 2729 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 1640 | 2729 | 2732 | 44.00 | 4.00 | 150.0000 | 0.00 |
| 1641 | 2732 | 5385 | 60.00 | 4.00 | 150.0000 | 0.00 |
| 1642 | 5385 | 2757 | 32.00 | 4.00 | 150.0000 | 0.00 |
| 1643 | 2757 | 2737 | 62.00 | 4.00 | 150.0000 | 0.00 |
| 1644 | 2737 | 2751 | 47.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1645 | 2751 | 7058 | 30.00 | 4.00 | 150.0000 | 0.00 |
| 1646 | 7058 | 2728 | 89.00 | 4.00 | 150.0000 | 0.00 |
| 1647 | 2728 | 2731 | 535.00 | 4.00 | 150.0000 | 0.00 |
| 1648 | 2731 | 2734 | 21.00 | 4.00 | 150.0000 | 0.00 |
| 1649 | 2734 | 2735 | 95.00 | 4.00 | 150.0000 | 0.00 |
| 1650 | 2735 | 2748 | 20.00 | 4.00 | 150.0000 | 0.00 |
| 1651 | 2748 | 2769 | 106.00 | 4.00 | 150.0000 | 0.00 |
| 1652 | 2769 | 2726 | 16.00 | 4.00 | 150.0000 | 0.00 |
| 1653 | 5386 | 5387 | 239.00 | 3.00 | 150.0000 | 0.00 |
| 1654 | 5387 | 2727 | 38.00 | 3.00 | 150.0000 | 0.00 |
| 1655 | 2727 | 7059 | 152.00 | 3.00 | 150.0000 | 0.00 |
| 1656 | 7059 | 2764 | 92.00 | 3.00 | 150.0000 | 0.00 |
| 1657 | 2753 | 2764 | 156.00 | 3.00 | 150.0000 | 0.00 |
| 1658 | 2753 | 43 | 139.00 | 4.00 | 150.0000 | 0.00 |
| | | 5385 | 131.00 | 4.00 | 150.0000 | 0.00 |
| 1659 | 43 | | | | | |
| 1660 | 5387 | 5388 | 47.00 | 3.00 | 150.0000 | 0.00 |
| 1661 | 5388 | 5389 | 271.00 | 3.00 | 150.0000 | 0.00 |
| 1662 | 5389 | 2761 | 51.00 | 3.00 | 150.0000 | 0.00 |
| 1663 | 2761 | 5382 | 175.00 | 3.00 | 150.0000 | 0.00 |
| 1664 | 5389 | 2758 | 132.00 | 3.00 | 150.0000 | 0.00 |
| 1665 | 2758 | 2762 | 114.00 | 3.00 | 150.0000 | 0.00 |
| 1666 | 5388 | 2739 | 98.00 | 3.00 | 150.0000 | 0.00 |
| 1667 | 2739 | 2743 | 56.00 | 3.00 | 150.0000 | 0.00 |
| 1668 | 2743 | 2730 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 1669 | 2730 | 2756 | 107.00 | 3.00 | 150.0000 | 0.00 |
| | 2756 | 2745 | 96.00 | 3.00 | 150.0000 | 0.00 |
| 1670 | | | | | | |
| 1671 | 5386 | 2763 | 124.00 | 3.00 | 150.0000 | 0.00 |
| 1672 | 2763 | 5390 | 66.00 | 3.00 | 150.0000 | 0.00 |
| 1673 | 5390 | 2755 | 101.00 | 3.00 | 150.0000 | 0.00 |
| 1674 | 2755 | 1347 | 185.00 | 3.00 | 150.0000 | 0.00 |

| 1675 | 1347 | 2749 | 187.00 | 3.00 | 150,0000 | 0.00 |
|------|----------|---------|---------|------|----------|------|
| | | | | 3.00 | 150.0000 | |
| 1676 | 2749 | 2750 | 47.00 | | | 0.00 |
| 1677 | 5390 | 2767 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 1678 | 2767 | 7060 | 79.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1679 | 7060 | 2738 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 1680 | 2738 | 7061 | 105.00 | 2.00 | 150.0000 | 0.00 |
| 1681 | 7061 | 2765 | 164.00 | 2.00 | 150.0000 | 0.00 |
| | 2765 | 7062 | 54.00 | | | |
| 1682 | | | | 2.00 | 150.0000 | 0.00 |
| 1683 | 7062 | 2768 | 129.00 | 2.00 | 150.0000 | 0.00 |
| 1684 | 5386 | 2726 | 83.00 | 3.00 | 150.0000 | 0.00 |
| 1685 | 5274 | 1547 | 1241.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1686 | 1547 | 2437 | 241.00 | 8.00 | 150.0000 | 0.00 |
| 1687 | 2437 | 905 | 111.00 | 8.00 | 150.0000 | 0.00 |
| 1688 | 905 | 5391 | 2275.00 | 8.00 | 150.0000 | 0.00 |
| 1689 | 5391 | 5392 | 1678.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1690 | 5392 | 902 | 80.00 | 8.00 | 150.0000 | 0.00 |
| 1691 | 5392 | 2393 | 635.00 | 6.00 | 150.0000 | 0.00 |
| 1692 | 902 | 5393 | 597.00 | 8.00 | 150.0000 | 0.00 |
| 1693 | 5393 | 904 | 344.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1694 | 904 | 5394 | 51.00 | 8.00 | 150.0000 | 0.00 |
| 1696 | 5395Jiml | Nethery | 340.00 | 6.00 | 150.0000 | 0.00 |
| 1697 | 5395 | 2250 | 750.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1698 | 2250 | 5396 | 109.00 | 6.00 | 150.0000 | 0.00 |
| 1699 | 5396 | 2120 | 221.00 | 2.00 | 150.0000 | 0.00 |
| 1700 | 2120 | 2360 | 534.00 | 2.00 | 150.0000 | 0.00 |
| 1701 | 2360 | 2499 | 291.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1702 | 2499 | 2533 | 609.00 | 2.00 | 150.0000 | 0.00 |
| 1703 | 2533 | 1349 | 189.00 | 2.00 | 150.0000 | 0.00 |
| 1704 | 1349 | 2598 | 267.00 | 2.00 | 150.0000 | 0.00 |
| | 2598 | | 437.00 | 2.00 | | |
| 1705 | | 2500 | | | 150.0000 | 0.00 |
| 1706 | 5396 | 330 | 447.00 | 6.00 | 150.0000 | 0.00 |
| 1707 | 1248 | 330 | 1333.00 | 6.00 | 150.0000 | 0.00 |
| 1708 | 5397 | 1248 | 5049.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1709 | 5398 | 1468 | 1049.00 | 6.00 | 150.0000 | 0.00 |
| 1710 | 1468 | 1995 | 47.00 | 6.00 | 150.0000 | 0.00 |
| 1711 | 2405 | 2367 | 965.00 | 6.00 | 150.0000 | 0.00 |
| 1712 | 2367 | 1824 | 44.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1713 | 5398 | 5579 | 3830.00 | 6.00 | 150.0000 | 0.00 |
| 1714 | 5398 | 5399 | 796.00 | 6.00 | 150.0000 | 0.00 |
| 1715 | 5399 | 5400 | 2816.00 | 3.00 | 150.0000 | 0.00 |
| 1716 | 5400 | 2077 | 4983.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1717 | 2077 | 5401 | 34.00 | 3.00 | 150.0000 | 0.00 |
| 1718 | 5401 | 2442 | 370.00 | 3.00 | 150.0000 | 0.00 |
| 1719 | 2442 | 5402 | 284.00 | 3.00 | 150.0000 | 0.00 |
| 1720 | 5402 | 2505 | 59.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1721 | 2505 | 2296 | 365.00 | 2.00 | 150.0000 | 0.00 |
| 1722 | 2296 | 2153 | 124.00 | 2.00 | 150.0000 | 0.00 |
| 1723 | 2153 | 5403 | 188.00 | 2.00 | 150.0000 | 0.00 |
| | | | 116.00 | 2.00 | 150.0000 | 0.00 |
| 1724 | 5403 | 2129 | | | | |
| 1725 | 5403 | 5404 | 112.00 | 2.00 | 150.0000 | 0.00 |
| 1726 | 5404 | 5405 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 1727 | 5405 | 8016 | 39.00 | 2.00 | 150.0000 | 0.00 |
| | | 2189 | 10.00 | | | 0.00 |
| 1728 | 5405 | | | 2.00 | 150.0000 | |
| 1729 | 5404 | 2501 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 1730 | 2501 | 736 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1731 | 736 | 2683 | 48.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 1732 | 2683 | 1724 | 270.00 | 2.00 | | 0.00 |
| 1733 | 1724 | 1773 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 1734 | 5402 | 2565 | 84.00 | 3.00 | 150.0000 | 0.00 |
| 1735 | 2565 | 2023 | 101.00 | 3.00 | 150.0000 | 0.00 |
| | | | 97.00 | | | |
| 1736 | 2023 | 5406 | | 3.00 | 150.0000 | 0.00 |
| 1737 | 5406 | 368 | 53.00 | 3.00 | 150.0000 | 0.00 |
| 1738 | 368 | 1433 | 44.00 | 3.00 | 150.0000 | 0.00 |
| 1739 | 1433 | 5407 | 843.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1740 | 5407 | 1043 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1741 | 1043 | 2535 | 62.00 | 2.00 | 150.0000 | 0.00 |
| 1742 | 2535 | 2071 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 1743 | 2071 | 2353 | 389.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1744 | 2353 | 1876 | 233.00 | 2.00 | 150.0000 | 0.00 |
| 1745 | 1876 | 5408 | 30.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1746 | 5408 | 2082 | 59.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 1747 | 2082 | 8045 | 303.00 | 2.00 | 150.0000 | 0.00 |
| 1748 | 8045 | 2073 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 1749 | 2073 | 1415 | 24.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1750 | 1415 | 2700 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 1751 | 2700 | 2303 | 151.00 | 2.00 | 150.0000 | 0.00 |
| 1752 | 2303 | 846 | 271.00 | 2.00 | 150.0000 | 0.00 |
| 1753 | 846 | 1952 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 1754 | 1952 | 2241 | 531.00 | 2.00 | 150.0000 | 0.00 |
| 1755 | 5408 | 2342 | 218.00 | 2.00 | 150.0000 | 0.00 |
| 1756 | 5407 | 634 | 185.00 | 2.00 | 150.0000 | 0.00 |
| 1757 | 634 | 2370 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 1758 | 7063 | 2080 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 1759 | 2080 | 2059 | 174.00 | 2.00 | 150.0000 | 0.00 |
| 1760 | 2059 | 8017 | 121.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1761 | 8017 | 2221 | 143.00 | 2.00 | 150.0000 | 0.00 |
| 1762 | 2221 | 2390 | 58.00 | 2.00 | 150.0000 | 0.00 |
| 1763 | 2390 | 2083 | 503.00 | 2.00 | 150.0000 | 0.00 |
| 1764 | 5409 | 5399 | 2574.00 | 8.00 | 150.0000 | 0.00 |
| 1765 | 5409 | 585 | 144.00 | 8.00 | 150.0000 | 0.00 |
| 1766 | 585 | 5410 | 840.00 | 8.00 | 150.0000 | 0.00 |
| 1767 | 5410 | 5411 | 942.00 | 4.00 | 150.0000 | 0.00 |
| 1768 | 5411 | 5412 | 549.00 | 4.00 | 150.0000 | 0.00 |
| 1769 | 5412 | 1482 | 348.00 | 3.00 | 150.0000 | 0.00 |
| 1770 | 1482 | 627 | 681.00 | 3.00 | 150.0000 | 0.00 |
| 1771 | 627 | 1569 | 447.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1772 | 1569 | 20 | 25.00 | 3.00 | 150.0000 | 0.00 |
| 1773 | 20 | 489 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 1774 | 489 | 2610 | 161.00 | 3.00 | 150.0000 | 0.00 |
| 1775 | 2610 | 2197 | 113.00 | 3.00 | 150.0000 | 0.00 |
| 1776 | 5413 | 31 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 1777 | 31 | 1245 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 1778 | 5413 | 262 | 97.00 | 3.00 | 150.0000 | 0.00 |
| 1779 | 262 | 5412 | 1205.00 | 3.00 | 150.0000 | 0.00 |
| 1780 | 2197 | 5413 | 32.00 | 3.00 | 150.0000 | 0.00 |
| 1781 | 5410 | 5414 | 410.00 | 8.00 | 150.0000 | 0.00 |
| 1782 | 5414 | 5416 | 257.00 | 8.00 | 150.0000 | 0.00 |
| 1783 | 5416 | 5415 | 591.00 | 8.00 | 150.0000 | 0.00 |
| 1785 | 5417 | 5418 | 390.00 | 4.00 | 150.0000 | 0.00 |
| 1786 | 5418 | 2599 | 144.00 | 4.00 | 150.0000 | 0.00 |
| 1787 | 2599 | 5419 | 144.00 | 4.00 | 150.0000 | 0.00 |
| 1788 | 5419 | 5420 | 664.00 | 4.00 | 150.0000 | 0.00 |
| 1789 | 5420 | 5421 | 647.00 | 4.00 | 150.0000 | 0.00 |
| 1790 | 5421 | 5422 | 362.00 | 4.00 | 150.0000 | 0.00 |
| 1791 | 5422 | 5424 | 1118.00 | 3.00 | 150.0000 | 0.00 |
| 1792 | 5424 | 5425 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 1793 | 5425 | 5426 | 11.00 | 2.00 | 150.0000 | 0.00 |
| 1794 | 5426 | 8028 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1795 | 8028 | 562 | 140.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1796 | 562 | 1025 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1797 | 1025 | 5427 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 1798 | 5427 | 947 | 114.00 | 2.00 | 150.0000 | 0.00 |
| 1799 | 947 | 1167 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 1800 | 5427 | 512 | 97.00 | 2.00 | 150.0000 | 0.00 |
| 1801 | 512 | 1271 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 1802 | 1271 | 8040 | 52.00 | 2.00 | 150.0000 | 0.00 |
| 1803 | 8040 | 8042 | 26.00 | 2.00 | 150.0000 | 0.00 |
| 1804 | 8042 | 8041 | 21.00 | 2.00 | 150.0000 | 0.00 |
| 1805 | 8041 | 993 | 161.00 | 2.00 | 150.0000 | 0.00 |
| 1806 | 993 | 863 | 61.00 | 2.00 | 150.0000 | 0.00 |
| 1807 | 863 | 2161 | 26.00 | 2.00 | 150.0000 | 0.00 |
| 1808 | 2161 | 1366 | 67.00 | 2.00 | 150.0000 | 0.00 |
| 1809 | 5428 | 1123 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 1810 | 1123 | 2640 | 303.00 | 2.00 | 150.0000 | 0.00 |
| 1811 | 2640 | 1337 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1812 | 1337 | 1042 | 125.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | 0.00 |
| 1813 | 1042 | 49 | 74.00 | 2.00 | 150.0000 | |
| 1814 | 49 | 2401 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 1815 | 2401 | 1404 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1816 | 1404 | 1211 | 113.00 | 2.00 | 150.0000 | 0.00 |
| 1817 | 1211 | 5429 | 106.00 | 2.00 | 150.0000 | 0.00 |

| 1818 | 5428 | 415 | 63.00 | 2.00 | 150.0000 | 0.00 |
|------|------|-------|--------|------|----------|------|
| 1819 | 5429 | 590 | 258.00 | 2.00 | 150.0000 | 0.00 |
| 1820 | 590 | 1165 | 106.00 | 2.00 | 150.0000 | 0.00 |
| 1821 | 1165 | 540 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1822 | 540 | 91 | 191.00 | 2.00 | 150.0000 | 0.00 |
| 1823 | 91 | 1918 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1824 | 1918 | 1033 | 282.00 | 2.00 | 150.0000 | 0.00 |
| 1825 | 1033 | 596 | 88.00 | 2.00 | 150.0000 | 0.00 |
| 1826 | 596 | 5430 | 142.00 | 2.00 | 150.0000 | 0.00 |
| 1827 | 5430 | 5431 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1828 | 5431 | 5432 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1829 | 5432 | 645 | 52.00 | 2.00 | 150.0000 | 0.00 |
| 1830 | 645 | 2528 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 1831 | 2528 | 817 | 111.00 | 2.00 | 150.0000 | 0.00 |
| 1832 | 817 | 1357 | 21.00 | 2.00 | 150.0000 | 0.00 |
| 1833 | 5432 | 5433 | 996.00 | 6.00 | 150.0000 | 0.00 |
| 1834 | 5432 | 5434 | 166.00 | 6.00 | 150.0000 | 0.00 |
| 1835 | 5430 | 5435 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1836 | 5429 | 2388 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 1837 | 2388 | 1603 | 86.00 | 2.00 | 150.0000 | 0.00 |
| 1838 | 1603 | 8063 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1839 | 8063 | 168 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 1840 | 168 | 513 | 245.00 | 2.00 | 150.0000 | 0.00 |
| 1841 | 513 | 2562 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1842 | 2562 | 90 | 251.00 | 2.00 | 150.0000 | 0.00 |
| 1843 | 90 | 5435 | 112.00 | 2.00 | 150.0000 | 0.00 |
| 1844 | 5435 | 5434 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1845 | 5434 | 1584 | 78.00 | 2.00 | 150.0000 | 0.00 |
| 1846 | 1584 | 1958 | 220.00 | 2.00 | 150.0000 | 0.00 |
| 1847 | 1958 | 163 | 196.00 | 2.00 | 150.0000 | 0.00 |
| 1848 | 163 | 2064 | 584.00 | 2.00 | 150.0000 | 0.00 |
| 1849 | 2064 | 1310 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 1850 | 1310 | 83 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1851 | 83 | 560 | 174.00 | 2.00 | 150.0000 | 0.00 |
| 1852 | 560 | 297 | 191.00 | 2.00 | 150.0000 | 0.00 |
| 1853 | 5434 | 5436 | 319.00 | 6.00 | 150.0000 | 0.00 |
| 1854 | 297 | 5437 | 16.00 | 2.00 | 150.0000 | 0.00 |
| 1855 | 5437 | 5438 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 1856 | 5438 | 826 | 224.00 | 2.00 | 150.0000 | 0.00 |
| 1857 | 826 | 86 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1858 | 86 | 960 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 1859 | 960 | 2329 | 454.00 | 2.00 | 150.0000 | 0.00 |
| 1860 | 5439 | 5440 | 132.00 | 2.00 | 150.0000 | 0.00 |
| 1861 | 5439 | 1594 | 18.00 | 2.00 | 150.0000 | 0.00 |
| 1862 | 1594 | 5436 | 32.00 | 2.00 | 150.0000 | 0.00 |
| 1863 | 5436 | 1568 | 64.00 | 2.00 | 150.0000 | 0.00 |
| 1864 | 1568 | 559 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1865 | 559 | 2652 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1866 | 2652 | 153 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1867 | 153 | 8044 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1868 | 8044 | 1540 | 115.00 | 2.00 | 150.0000 | 0.00 |
| 1869 | 1540 | 1441 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 1870 | 2329 | 5439 | 87.00 | 2.00 | 150.0000 | 0.00 |
| 1871 | 5436 | 5441 | 134.00 | 6.00 | 150.0000 | 0.00 |
| 1872 | 5438 | 5442 | 134.00 | 3.00 | 150.0000 | 0.00 |
| 1873 | 5442 | 5443 | 133.00 | 3.00 | 150.0000 | 0.00 |
| 1874 | 5443 | 2086 | 184.00 | 2.00 | 150.0000 | 0.00 |
| 1875 | 2086 | 436 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 1876 | 436 | 8065 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1877 | 5443 | 2299 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1878 | 2299 | 5444 | 62.00 | 2.00 | 150.0000 | 0.00 |
| 1879 | 5444 | 5445 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 1880 | 5445 | 300 | 93.00 | 2.00 | 150.0000 | 0.00 |
| 1881 | 300 | 5446 | 141.00 | 2.00 | 150.0000 | 0.00 |
| 1882 | 5437 | 5446 | 896.00 | 2.00 | 150.0000 | 0.00 |
| 1883 | 5443 | 5447 | 117.00 | 3.00 | 150.0000 | 0.00 |
| 1884 | 5440 | 1548 | 94.00 | 2.00 | 150.0000 | 0.00 |
| 1885 | 1548 | 430 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1886 | 430 | 148 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 1887 | 148 | 887 | 251.00 | 2.00 | 150.0000 | 0.00 |
| 1888 | 887 | 804 | 50.00 | 2.00 | 150.0000 | 0.00 |
| ~~~~ | 557 | ~ ~ ~ | / 0 0 | | | |

| 1889 | 5447 | 5448 | 237.00 | 3.00 | 150.0000 | 0.00 |
|------|------|------|--------|------|----------|------|
| 1890 | 5448 | 5449 | 152.00 | 6.00 | 150.0000 | 0.00 |
| 1891 | 5440 | 5441 | 55.00 | 6.00 | 150.0000 | 0.00 |
| 1892 | 5441 | 5450 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 1893 | 5448 | 5450 | 615.00 | 6.00 | 150.0000 | 0.00 |
| 1894 | 5449 | 1008 | 84.00 | 2.00 | 150.0000 | 0.00 |
| 1895 | 1008 | 2651 | 36.00 | 2.00 | 150.0000 | 0.00 |
| 1896 | 2651 | 939 | 138.00 | 2.00 | 150.0000 | 0.00 |
| | 939 | 7064 | | | | |
| 1897 | | | 102.00 | 2.00 | 150.0000 | 0.00 |
| 1898 | 7064 | 7065 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1899 | 7065 | 946 | 165.00 | 2.00 | 150.0000 | 0.00 |
| 1900 | 946 | 515 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1901 | 515 | 1452 | 46.00 | 2.00 | 150.0000 | 0.00 |
| 1902 | 1452 | 8019 | 34.00 | 2.00 | 150.0000 | 0.00 |
| 1903 | 5449 | 5451 | 124.00 | 6.00 | 150.0000 | 0.00 |
| 1904 | 5451 | 5452 | 159.00 | 6.00 | 150.0000 | 0.00 |
| 1905 | 5452 | 5454 | 17.00 | 6.00 | 150.0000 | 0.00 |
| 1906 | 5454 | 5453 | 28.00 | 6.00 | 150.0000 | 0.00 |
| 1907 | 5455 | 5456 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1908 | 5453 | 5455 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1909 | 5456 | 30 | 299.00 | 2.00 | 150.0000 | 0.00 |
| 1910 | 30 | 8023 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1911 | 8023 | 1014 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 1912 | 1014 | 897 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 1913 | 897 | 390 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 1914 | 390 | 8020 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1915 | 8020 | 8021 | 34.00 | 2.00 | 150.0000 | 0.00 |
| 1916 | 8021 | 8027 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1917 | 8027 | 142 | 104.00 | 2.00 | 150.0000 | 0.00 |
| 1918 | 142 | 2002 | 188.00 | 2.00 | 150.0000 | 0.00 |
| 1919 | 2002 | 1083 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 1920 | 2002 | 8049 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 1921 | 5454 | 5457 | 359.00 | 3.00 | 150.0000 | 0.00 |
| 1922 | 5457 | 5458 | 342.00 | 3.00 | 150.0000 | 0.00 |
| 1923 | 5458 | 5428 | 54.00 | 3.00 | 150.0000 | 0.00 |
| 1924 | 5456 | 41 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 1925 | 41 | 1399 | 84.00 | 2.00 | 150.0000 | 0.00 |
| 1926 | 1399 | 1288 | 231.00 | 2.00 | 150.0000 | 0.00 |
| 1927 | 1288 | 5428 | 367.00 | 2.00 | 150.0000 | 0.00 |
| 1928 | 5453 | 5459 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 1929 | 5459 | 5460 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 1930 | 5460 | 969 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1931 | 5460 | 2368 | 169.00 | 2.00 | 150.0000 | 0.00 |
| 1932 | 2368 | 2588 | 114.00 | 2.00 | 150.0000 | 0.00 |
| 1933 | 2588 | 8053 | 35.00 | 2.00 | 150.0000 | 0.00 |
| 1934 | 8053 | 5461 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 1935 | 5449 | 5461 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 1936 | 5461 | 727 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1937 | 727 | 139 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 1938 | 139 | 2233 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1939 | 2233 | 814 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 1940 | 814 | 5444 | 166.00 | 2.00 | 150.0000 | 0.00 |
| 1941 | 5446 | 720 | 139.00 | 2.00 | 150.0000 | 0.00 |
| | 720 | 2260 | 421.00 | 2.00 | 150.0000 | 0.00 |
| 1942 | 2260 | 2060 | 106.00 | 2.00 | 150.0000 | |
| 1943 | | | | | | 0.00 |
| 1944 | 2060 | 5602 | 663.00 | 2.00 | 150.0000 | 0.00 |
| 1945 | 5602 | 2518 | 425.00 | 2.00 | 150.0000 | 0.00 |
| 1946 | 2518 | 2267 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 1947 | 2267 | 2466 | 14.00 | 2.00 | 150.0000 | 0.00 |
| 1948 | 5415 | 5417 | 55.00 | 6.00 | 150.0000 | 0.00 |
| 1950 | 5463 | 5462 | 928.00 | 6.00 | 150.0000 | 0.00 |
| 1951 | 5455 | 5464 | 844.00 | 2.00 | 150.0000 | 0.00 |
| 1952 | 5453 | 5417 | 454.00 | 6.00 | 150.0000 | 0.00 |
| 1953 | 5459 | 5465 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 1954 | 5418 | 5464 | 20.00 | 2.00 | 150.0000 | 0.00 |
| 1955 | 5464 | 292 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 1956 | 292 | 464 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 1957 | 464 | 418 | 321.00 | 2.00 | 150.0000 | 0.00 |
| 1958 | 418 | 46 | 264.00 | 2.00 | 150.0000 | 0.00 |
| 1959 | 46 | 1611 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 1960 | 1611 | 507 | 81.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |

| 1961 | 507 | 5466 | 235.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|--------|------|----------|------|
| 1962 | 5466 | 962 | 85.00 | 2.00 | 150.0000 | 0.00 |
| 1963 | 962 | 8034 | 54.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1964 | 8034 | 8029 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1965 | 8029 | 8030 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 1966 | 8030 | 5467 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 1967 | 5467 | 1502 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1968 | 5468 | 1637 | 44.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1969 | 5422 | 5468 | 184.00 | 2.00 | 150.0000 | 0.00 |
| 1970 | 1502 | 5468 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 1971 | 5467 | 8036 | 270.00 | 2.00 | 150.0000 | 0.00 |
| 1972 | 8036 | 1486 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 1973 | 1486 | 534 | 37.00 | 2.00 | 150.0000 | 0.00 |
| 1974 | 534 | | | | | |
| | | 8031 | 168.00 | 2.00 | 150.0000 | 0.00 |
| 1975 | 8031 | 2035 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 1976 | 2035 | 994 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 1977 | 994 | 5466 | 119.00 | 2.00 | 150.0000 | 0.00 |
| 1978 | 5422 | 5423 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1979 | 5423 | 607 | 75.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1980 | 607 | 2239 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 1981 | 2239 | 12 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 1982 | 12 | 957 | 85.00 | 2.00 | 150.0000 | 0.00 |
| 1983 | 957 | 117 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1984 | 117 | 116 | 55.00 | 2.00 | 150.0000 | 0.00 |
| - | | 391 | | | 150.0000 | 0.00 |
| 1985 | 116 | | 50.00 | 2.00 | | |
| 1986 | 391 | 1417 | 65.00 | 2.00 | 150.0000 | 0.00 |
| 1987 | 1417 | 936 | 68.00 | 2.00 | 150.0000 | 0.00 |
| 1988 | 936 | 758 | 62.00 | 2.00 | 150.0000 | 0.00 |
| 1989 | 758 | 5426 | 506.00 | 2.00 | 150.0000 | 0.00 |
| 1990 | 5423 | 1311 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | | 457 | | 2.00 | 150.0000 | |
| 1991 | 1311 | | 60.00 | | | 0.00 |
| 1992 | 457 | 973 | 171.00 | 2.00 | 150.0000 | 0.00 |
| 1993 | 973 | 38 | 164.00 | 2.00 | 150.0000 | 0.00 |
| 1994 | 38 | 738 | 66.00 | 2.00 | 150.0000 | 0.00 |
| 1995 | 738 | 934 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 1996 | 934 | 528 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 1997 | 528 | 93 | 43.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 1998 | 93 | 1394 | 391.00 | 2.00 | 150.0000 | 0.00 |
| 1999 | 1394 | 806 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2000 | 806 | 8035 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2001 | 8035 | 5469 | 66.00 | 2.00 | 150.0000 | 0.00 |
| 2002 | 5469 | 1554 | 75.00 | 2.00 | 150.0000 | 0.00 |
| | | | 457.00 | 2.00 | | |
| 2003 | 1554 | 269 | | | 150.0000 | 0.00 |
| 2004 | 269 | 270 | 33.00 | 2.00 | 150.0000 | 0.00 |
| 2005 | 5464 | 2608 | 128.00 | 2.00 | 150.0000 | 0.00 |
| 2006 | 270 | 2608 | 193.00 | 2.00 | 150.0000 | 0.00 |
| 2007 | 5433 | 1358 | 241.00 | 6.00 | 150.0000 | 0.00 |
| 2008 | 1358 | 279 | 185.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2009 | 279 | 5470 | 167.00 | 6.00 | 150.0000 | 0.00 |
| 2010 | 5470 | 101 | 103.00 | 4.00 | 150.0000 | 0.00 |
| 2011 | 5470 | 913 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 2012 | 913 | 67 | 44.00 | 2.00 | 150.0000 | 0.00 |
| 2013 | 101 | 2347 | 144.00 | 4.00 | 150.0000 | 0.00 |
| | 67 | 227 | 116.00 | 2.00 | 150.0000 | 0.00 |
| 2014 | | | | | | |
| 2015 | 227 | 100 | 123.00 | 2.00 | 150.0000 | 0.00 |
| 2016 | 100 | 131 | 108.00 | 2.00 | 150.0000 | 0.00 |
| 2017 | 131 | 141 | 175.00 | 2.00 | 150.0000 | 0.00 |
| 2018 | 2347 | 600 | 500.00 | 4.00 | 150.0000 | 0.00 |
| 2019 | 141 | 649 | 49.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2020 | 649 | 551 | 157.00 | 2.00 | 150.0000 | 0.00 |
| 2021 | 551 | 1197 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2022 | 1197 | 484 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2023 | 484 | 1570 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2024 | 1570 | 1308 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 2025 | 1308 | 1432 | 180.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2026 | 1432 | 671 | 162.00 | 2.00 | 150.0000 | 0.00 |
| 2027 | 600 | 589 | 798.00 | 4.00 | 150.0000 | 0.00 |
| 2028 | 671 | 1328 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2029 | 1328 | 5471 | 222.00 | 2.00 | 150.0000 | 0.00 |
| 2030 | 589 | 5472 | 305.00 | 4.00 | 150.0000 | 0.00 |
| 2031 | 5471 | 5472 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2031 | 2417 | J4,4 | 30.00 | ~ | 200000 | 0.00 |

| 2040 | | | | | | | |
|--|------|------|------|---------|------|----------|------|
| 2033 | 2032 | 5471 | 1102 | 13.00 | 2.00 | 150,0000 | 0.00 |
| 2034 | | | | | | | |
| 2035 | | | | | | | |
| 2036 | | | | | | | |
| 2037 | | | | | | | |
| 2038 | | | | | | | |
| 2039 827 705 15.00 2.00 150.0000 0.00 | | | | | | | |
| 2040 | | | | | | | |
| 2041 | 2039 | 827 | 705 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 2042 | 2040 | 5472 | 2410 | 535.00 | 4.00 | 150.0000 | 0.00 |
| 2043 705 5474 242.00 2.00 150.0000 0.00 2045 1991 2609 68.00 3.00 150.0000 0.00 2046 5477 1305 251 55.00 2.00 150.0000 0.00 2048 251 1497 551.00 2.00 150.0000 0.00 2050 1870 551.00 3.00 150.0000 0.00 2050 1870 5475 1668 16.00 2.00 150.0000 0.00 2051 5475 5476 30.00 3.00 150.0000 0.00 2052 5475 5476 550.00 2.00 150.0000 0.00 2053 1497 5476 550.00 2.00 150.0000 0.00 2054 5476 2100 130.00 2.00 150.0000 0.00 2054 5476 2100 130.00 2.00 150.0000 0.00 2055 140 | 2041 | 2410 | 640 | 73.00 | 4.00 | 150.0000 | 0.00 |
| 2044 | 2042 | 640 | 5473 | 37.00 | 4.00 | 150.0000 | 0.00 |
| 2044 | 2043 | 705 | 5474 | 242.00 | 2.00 | 150,0000 | 0.00 |
| 2045 | | | | | | | |
| 2046 | | | | | | | |
| 2047 | | | | | | | |
| 2048 | | | | | | | |
| 2049 2609 1870 551.00 3.00 150.0000 0.00 2051 5475 1688 16.00 2.00 150.0000 0.00 2051 5475 5476 30.00 2.00 150.0000 0.00 2052 5475 5476 550.00 2.00 150.0000 0.00 2053 1497 5476 550.00 2.00 150.0000 0.00 2054 5476 2100 1424 32.00 2.00 150.0000 0.00 2055 2100 1424 32.00 2.00 150.0000 0.00 2056 1424 1496 78.00 2.00 150.0000 0.00 2056 1424 1496 78.00 2.00 150.0000 0.00 2057 1496 1822 235.00 2.00 150.0000 0.00 2058 1822 291 63.00 2.00 150.0000 0.00 2059 291 5470 134.00 2.00 150.0000 0.00 2059 291 5470 134.00 2.00 150.0000 0.00 2056 5474 5477 36.00 2.00 150.0000 0.00 2056 5474 5478 149.00 2.00 150.0000 0.00 2056 5474 5478 149.00 2.00 150.0000 0.00 2056 5478 5428 81.00 2.00 150.0000 0.00 2056 5478 5484 5483 351.00 2.00 150.0000 0.00 2056 5477 642 404.00 2.00 150.0000 0.00 2056 5477 642 404.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 53.00 2.00 150.0000 0.00 2056 642 370 33.00 2.00 150.0000 0.00 2056 642 3444 3445 3445 3450 3450 3450 3450 3450 3450 3450 3450 3450 3450 3450 3 | | | | | | | |
| 2050 | | | | | | | |
| 2051 5475 5476 30.00 2.00 150.0000 0.00 2053 1497 5476 30.00 2.00 150.0000 0.00 2054 5476 2100 130.00 2.00 150.0000 0.00 2055 2100 1424 32.00 2.00 150.0000 0.00 2056 1424 1496 78.00 2.00 150.0000 0.00 2057 1496 1822 235.00 2.00 150.0000 0.00 2058 1822 291 63.00 2.00 150.0000 0.00 2058 1822 291 5470 134.00 2.00 150.0000 0.00 2061 5474 5478 149.00 2.00 150.0000 0.00 2061 5474 5478 149.00 2.00 150.0000 0.00 2063 1542 2654 69.00 2.00 150.0000 0.00 2063 1542 | | | | | | | |
| 2052 | | | | | | | |
| 2053 | 2051 | 5475 | 1668 | 16.00 | 2.00 | 150.0000 | 0.00 |
| 2054 | 2052 | 5475 | 5476 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2055 | 2053 | 1497 | 5476 | 550.00 | 2.00 | 150.0000 | 0.00 |
| 2056 | 2054 | 5476 | 2100 | 130.00 | 2.00 | 150.0000 | 0.00 |
| 2056 | | | 1424 | 32.00 | 2.00 | 150.0000 | 0.00 |
| 2057 | | | | | | | |
| 2058 | | | | | | | |
| 2059 291 5470 134.00 2.00 150.0000 0.00 2061 5474 5477 36.00 2.00 150.0000 0.00 2062 5478 1542 81.00 2.00 150.0000 0.00 2063 1542 2654 69.00 2.00 150.0000 0.00 2064 5478 5483 351.00 2.00 150.0000 0.00 2065 5477 642 404.00 2.00 150.0000 0.00 2066 642 370 53.00 2.00 150.0000 0.00 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2073 5479 5480 323 | | | | | | | |
| 2060 5474 5477 36.00 2.00 150.0000 0.00 2061 5474 5478 149.00 2.00 150.0000 0.00 2063 1542 2654 69.00 2.00 150.0000 0.00 2064 5478 5483 351.00 2.00 150.0000 0.00 2066 642 370 53.00 2.00 150.0000 0.00 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 32 | | | | | | | |
| 2061 | | | | | | | |
| 2062 5478 1542 81.00 2.00 150.0000 0.00 2063 1542 2654 69.00 2.00 150.0000 0.00 2064 5478 5483 351.00 2.00 150.0000 0.00 2066 642 370 53.00 2.00 150.0000 0.00 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10 | | | | | | | |
| 2063 1542 2654 69.00 2.00 150.0000 0.00 2064 5478 5483 351.00 2.00 150.0000 0.00 2065 5477 642 404.00 2.00 150.0000 0.00 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.0 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 8828 1 | | | | | | | |
| 2064 5478 5483 351.00 2.00 150.0000 0.00 2065 5477 642 404.00 2.00 150.0000 0.00 2066 642 370 53.00 2.00 150.0000 0.00 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83. | | | | | | | |
| 2065 5477 642 404.00 2.00 150.0000 0.00 2066 642 370 53.00 2.00 150.0000 0.00 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.0 | 2063 | 1542 | 2654 | 69.00 | 2.00 | 150.0000 | 0.00 |
| 2066 642 370 53.00 2.00 150.0000 0.00 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172. | 2064 | 5478 | 5483 | 351.00 | 2.00 | 150.0000 | 0.00 |
| 2067 862 525 207.00 2.00 150.0000 0.00 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56 | 2065 | 5477 | 642 | 404.00 | 2.00 | 150.0000 | 0.00 |
| 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12. | 2066 | 642 | 370 | 53.00 | 2.00 | 150.0000 | 0.00 |
| 2068 525 92 553.00 2.00 150.0000 0.00 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12. | 2067 | 862 | 525 | 207.00 | 2.00 | 150,0000 | 0.00 |
| 2069 92 2510 255.00 2.00 150.0000 0.00 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29. | | | | | | | |
| 2070 2510 1790 33.00 2.00 150.0000 0.00 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2076 1898 1828 172.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2081 354 1078 | | | | | | | |
| 2071 1790 1341 32.00 2.00 150.0000 0.00 2072 1341 5479 297.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 | | | | | | | |
| 2072 1341 5479 297.00 2.00 150.0000 0.00 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.0 | | | | | | | |
| 2073 5479 5480 323.00 2.00 150.0000 0.00 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 | | | | | | | |
| 2074 5480 1828 10.00 2.00 150.0000 0.00 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 2075 1828 995 10.00 2.00 150.0000 0.00 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2087 813 1437 103.00< | | | | | | | |
| 2076 1898 1828 83.00 2.00 150.0000 0.00 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 | | | | | | | |
| 2077 5479 5485 172.00 2.00 150.0000 0.00 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00< | | | | | | | |
| 2078 1736 209 56.00 2.00 150.0000 0.00 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2099 168 605 25.00 <td>2076</td> <td>1898</td> <td>1828</td> <td>83.00</td> <td>2.00</td> <td>150.0000</td> <td></td> | 2076 | 1898 | 1828 | 83.00 | 2.00 | 150.0000 | |
| 2079 209 282 12.00 2.00 150.0000 0.00 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 729 274.00 2.00 150.0000 0.00 2085 1686 729 813 251.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2091 605 | 2077 | 5479 | 5485 | | 2.00 | 150.0000 | 0.00 |
| 2080 282 354 29.00 2.00 150.0000 0.00 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 < | 2078 | 1736 | 209 | 56.00 | 2.00 | 150.0000 | 0.00 |
| 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 | 2079 | 209 | 282 | 12.00 | 2.00 | 150.0000 | 0.00 |
| 2081 354 1078 76.00 2.00 150.0000 0.00 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2093 370 5481 360.00 2.00 150.0000 0.00 2094 5483 862 | 2080 | 282 | 354 | 29.00 | 2.00 | 150.0000 | 0.00 |
| 2082 1078 1044 99.00 2.00 150.0000 0.00 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2095 5473 5482 | | 354 | 1078 | 76.00 | 2.00 | 150.0000 | 0.00 |
| 2083 1044 266 65.00 2.00 150.0000 0.00 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 | | | 1044 | 99.00 | 2.00 | 150.0000 | 0.00 |
| 2084 266 1686 151.00 2.00 150.0000 0.00 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2097 5485 1736 | | | | | | | |
| 2085 1686 729 274.00 2.00 150.0000 0.00 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2097 5485 1736 71.0 | | | | | | | |
| 2086 729 813 251.00 2.00 150.0000 0.00 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 | | | | | | | |
| 2087 813 1437 103.00 2.00 150.0000 0.00 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 | | | | | | | |
| 2088 1437 2447 77.00 2.00 150.0000 0.00 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 | | | | | | | |
| 2089 2447 1168 90.00 2.00 150.0000 0.00 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 | | | | | | | |
| 2090 1168 605 25.00 2.00 150.0000 0.00 2091 605 307 25.00 2.00 150.0000 0.00 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 246.00 6.00 150.0000 0.00 | | | | | | | |
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| 2092 307 5481 360.00 2.00 150.0000 0.00 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 246.00 6.00 150.0000 0.00 | 2090 | 1168 | 605 | | 2.00 | 150.0000 | 0.00 |
| 2093 370 5481 49.00 2.00 150.0000 0.00 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 246.00 6.00 150.0000 0.00 | 2091 | 605 | 307 | 25.00 | 2.00 | 150.0000 | 0.00 |
| 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 246.00 6.00 150.0000 0.00 | 2092 | 307 | 5481 | 360.00 | 2.00 | 150.0000 | 0.00 |
| 2094 5483 862 56.00 2.00 150.0000 0.00 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 246.00 6.00 150.0000 0.00 | | 370 | 5481 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2095 5473 5482 532.00 3.00 150.0000 0.00 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 246.00 6.00 150.0000 0.00 | | | 862 | | 2.00 | | 0.00 |
| 2096 5482 5484 589.00 3.00 150.0000 0.00 2097 5485 1736 71.00 2.00 150.0000 0.00 2098 5481 5482 30.00 3.00 150.0000 0.00 2099 5482 5483 10.00 3.00 150.0000 0.00 2100 5484 5485 31.00 3.00 150.0000 0.00 2101 5463 2534 246.00 6.00 150.0000 0.00 | | | | | | | 0.00 |
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| 2102 2534 999 1154.00 6.00 150.0000 0.00 | | | | | | | 0.00 |
| | 2102 | 2534 | 999 | 1154.00 | 6.00 | 150.0000 | 0.00 |

| 2103 | 999 | 5486 | 208.00 | 6.00 | 150.0000 | 0.00 |
|---------|---------|---------|---------|-------|----------|------|
| 2104 | 5486 | 5489 | 2591.00 | 6.00 | 150.0000 | 0.00 |
| 2105 | 5488 | 5490 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 2106 | 5490 | 5615 | 255.00 | 3.00 | 150.0000 | 0.00 |
| 2107 | 5488 | 5616 | 109.00 | 3.00 | 150.0000 | 0.00 |
| 2108 | 5489 | 5487 | 470.00 | 6.00 | 150.0000 | 0.00 |
| 2109 | 5615 | 5491 | 48.00 | 3.00 | 150.0000 | 0.00 |
| 2110 | 5616 | 5492 | 727.00 | 3.00 | 150.0000 | 0.00 |
| 2111 | 5491 | 5493 | 552.00 | 3.00 | 150.0000 | 0.00 |
| 2112 | 5487 | 5494 | 1626.00 | 6.00 | 150.0000 | 0.00 |
| 2113 | 5492 | 5495 | 1250.00 | 3.00 | 150.0000 | 0.00 |
| 2114 | 5494 | 5495 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 2115 | 5614WTM | idlake- | 18.00 | 6.00 | 150.0000 | 0.00 |
| 2116 | FGN-AA | 5614 | 30.00 | 6.00 | 150.0000 | 0.00 |
| 2117-CV | FGN-TT | 5496 | 243.00 | 10.00 | 150.0000 | 0.00 |
| 2118-XX | 5494 | 5617 | 182.00 | 6.00 | 150.0000 | 0.00 |
| 2119 | 5495 | 5498 | 237.00 | 3.00 | 150.0000 | 0.00 |
| 2120-XX | 5498 | 5497 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2121 | 5497 | 2126 | 4567.00 | 6.00 | 150.0000 | 0.00 |
| 2122 | 2126 | 2019 | 375.00 | 6.00 | 150.0000 | 0.00 |
| 2123 | 2019 | 5499 | 3934.00 | 6.00 | 150.0000 | 0.00 |
| 2124 | 5499 | 2084 | 924.00 | 2.00 | 150.0000 | 0.00 |
| 2125 | 2084 | 1994 | 1195.00 | 2.00 | 150.0000 | 0.00 |
| 2126 | 5499 | 668 | 716.00 | 6.00 | 150.0000 | 0.00 |
| 2127 | 668 | 5500 | 211.00 | 6.00 | 150.0000 | 0.00 |
| 2128 | 5500 | 1916 | 89.00 | 2.00 | 150.0000 | 0.00 |
| 2129 | 1916 | 2678 | 436.00 | 2.00 | 150.0000 | 0.00 |
| 2130 | 2678 | 2196 | 58.00 | 2.00 | 150.0000 | 0.00 |
| 2131 | 5500 | 5501 | 1559.00 | 6.00 | 150.0000 | 0.00 |
| 2132 | 5502 | 8022 | 174.00 | 4.00 | 150.0000 | 0.00 |
| 2133 | 2644 | 1719 | 433.00 | 3.00 | 150.0000 | 0.00 |
| 2134 | 121 | 8022 | 1611.00 | 6.00 | 150.0000 | 0.00 |
| 2135 | 5503 | 2644 | 1072.00 | 3.00 | 150.0000 | 0.00 |
| 2136 | 1719 | 1911 | 752.00 | 3.00 | 150.0000 | 0.00 |
| 2137 | 1911 | 5661 | 121.00 | 3.00 | 150.0000 | 0.00 |
| 2139 | 8022 | J-34 | 1209.00 | 4.00 | 150.0000 | 0.00 |
| 2143 | 5506 | 2481 | 1845.00 | 8.00 | 150.0000 | 0.00 |
| 2144 | 2481 | 2300 | 1363.00 | 8.00 | 150.0000 | 0.00 |
| 2145 | 2300 | 1104 | 2502.00 | 8.00 | 150.0000 | 0.00 |
| 2146 | 1104 | 5507 | 1706.00 | 8.00 | 150.0000 | 0.00 |
| 2147 | 5507 | 2224 | 1355.00 | 8.00 | 150.0000 | 0.00 |
| 2148 | 2224 | 5508 | 1201.00 | 8.00 | 150.0000 | 0.00 |
| 2149 | 5508 | 2662 | 161.00 | 2.00 | 150.0000 | 0.00 |
| 2150 | 2662 | 1816 | 204.00 | 2.00 | 150.0000 | 0.00 |
| 2151 | 1816 | 2245 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2152 | 2245 | 1052 | 818.00 | 2.00 | 150.0000 | 0.00 |
| 2153 | 1052 | 1976 | 773.00 | 2.00 | 150.0000 | 0.00 |
| 2154 | 1976 | 462 | 256.00 | 2.00 | 150.0000 | 0.00 |
| 2155 | 462 | 1565 | 378.00 | 1.00 | 150.0000 | 0.00 |
| 2156 | 1565 | 1519 | 254.00 | 1.00 | 150.0000 | 0.00 |
| 2157 | 5508 | 755 | 5510.00 | 8.00 | 150.0000 | 0.00 |
| 2158 | 755 | 1541 | 332.00 | 8.00 | 150.0000 | 0.00 |
| 2159 | 1541 | 2281 | 407.00 | 8.00 | 150.0000 | 0.00 |
| 2160 | 2281 | 5509 | 2095.00 | 8.00 | 150.0000 | 0.00 |
| 2161 | 5509 | 1982 | 282.00 | 8.00 | 150.0000 | 0.00 |
| 2162 | 1982 | 5510 | 547.00 | 8.00 | 150.0000 | 0.00 |
| 2163 | 5510 | 5621 | 356.00 | 8.00 | 150.0000 | 0.00 |
| 2164 | 5621 | 5514 | 432.00 | 8.00 | 150.0000 | 0.00 |
| 2165 | 5514 | 5622 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2166 | 5511 | 5623 | 178.00 | 8.00 | 150.0000 | 0.00 |
| 2167 | 5623 | 5624 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2168 | 5623 | 5515 | 519.00 | 8.00 | 150.0000 | 0.00 |
| 2169 | 5514 | 5511 | 130.00 | 8.00 | 150.0000 | 0.00 |
| 2170 | 5515 | 5516 | 8715.00 | 6.00 | 150.0000 | 0.00 |
| 2171 | 5516 | 5517 | 66.00 | 6.00 | 150.0000 | 0.00 |
| 2172 | 5517 | 5518 | 1643.00 | 3.00 | 150.0000 | 0.00 |
| 2173 | 5518 | 5519 | 1140.00 | 3.00 | 150.0000 | 0.00 |
| 2174 | 5519 | 5520 | 800.00 | 3.00 | 150.0000 | 0.00 |
| 2175 | 5520 | 5521 | 239.00 | 3.00 | 150.0000 | 0.00 |
| 2176 | 5521 | 501 | 15.00 | 3.00 | 150.0000 | 0.00 |
| 2177 | 5521 | 84 | 15.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |

| 2178 | 84 | 2544 | 25.00 | 3.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|-----------|------|
| 2179 | 5520 | 5522 | 420.00 | 3.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2180 | 5522 | 75 | 15.00 | 3.00 | 150.0000 | 0.00 |
| 2181 | 5522 | 61 | 15.00 | 3.00 | 150.0000 | 0.00 |
| 2182 | 5519 | 2685 | 731.00 | 3.00 | 150.0000 | 0.00 |
| 2183 | 2685 | 2708 | 107.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2184 | 2708 | 2663 | 97.00 | 3.00 | 150.0000 | 0.00 |
| 2185 | 2663 | 2240 | 105.00 | 3.00 | 150.0000 | 0.00 |
| 2186 | 5518 | 5523 | 1432.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2187 | 5523 | 843 | 3060.00 | 3.00 | 150.0000 | 0.00 |
| 2188 | 843 | 2045 | 41.00 | 3.00 | 150.0000 | 0.00 |
| 2189 | 2045 | 1672 | 112.00 | 3.00 | 150.0000 | 0.00 |
| 2190 | 1672 | 5524 | 101.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2191 | 5524 | 178 | 59.00 | 2.00 | 150.0000 | 0.00 |
| 2192 | 178 | 2709 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 2193 | 2709 | 1664 | 41.00 | 2.00 | 150.0000 | 0.00 |
| 2194 | 1664 | 1977 | 20.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2195 | 1977 | 110 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2196 | 5524 | 5525 | 611.00 | 3.00 | 150.0000 | 0.00 |
| 2197 | 5525 | 5526 | 84.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2198 | 2587 | 2285 | 432.00 | 2.00 | 150.0000 | 0.00 |
| 2199 | 5526 | 2482 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2200 | 2482 | 1532 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2201 | 1532 | 2354 | 99.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2202 | 2354 | 198 | 203.00 | 2.00 | 150.0000 | 0.00 |
| 2203 | 5525 | 5527 | 20.00 | 3.00 | 150.0000 | 0.00 |
| 2204 | 151 | 2586 | 65.00 | 1.00 | 150.0000 | 0.00 |
| 2205 | 5527 | 151 | 38.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2206 | 5527 | 5528 | 194.00 | 3.00 | 150.0000 | 0.00 |
| 2207 | 5528 | 5529 | 769.00 | 3.00 | 150.0000 | 0.00 |
| 2208 | 5529 | 614 | 121.00 | 2.50 | 150.0000 | 0.00 |
| | 614 | 253 | 179.00 | 2.50 | 150.0000 | |
| 2209 | | | | | | 0.00 |
| 2210 | 253 | 2484 | 100.00 | 2.50 | 150.0000 | 0.00 |
| 2211 | 2484 | 2483 | 131.00 | 2.50 | 150.0000 | 0.00 |
| 2212 | 1945 | 2483 | 1321.00 | 2.50 | 150.0000 | 0.00 |
| 2213 | 1945 | 5530 | 207.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2214 | 5530 | 2519 | 388.00 | 2.00 | 150.0000 | 0.00 |
| 2215 | 2519 | 2327 | 82.00 | 2.00 | 150.0000 | 0.00 |
| 2216 | 2327 | 1333 | 46.00 | 2.00 | 150.0000 | 0.00 |
| | | 1779 | | | | |
| 2217 | 1333 | | 63.00 | 2.00 | 150.0000 | 0.00 |
| 2218 | 1779 | 2186 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 2219 | 2186 | 5531 | 199.00 | 2.00 | 150.0000 | 0.00 |
| 2220 | 5531 | 2133 | 133.00 | 2.00 | 150.0000 | 0.00 |
| | 2133 | | | | 150.0000 | |
| 2221 | | 1001 | 130.00 | 2.00 | | 0.00 |
| 2222 | 5531 | 1655 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2223 | 1655 | 2213 | 634.00 | 2.00 | 150.0000 | 0.00 |
| 2224 | 2213 | 2097 | 187.00 | 2.00 | 150.0000 | 0.00 |
| 2225 | 2097 | 5532 | 291.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2226 | 5517 | 2286 | 2293.00 | 6.00 | 150.0000 | 0.00 |
| 2227 | 2286 | 823 | 203.00 | 6.00 | 150.0000 | 0.00 |
| 2228 | 823 | 5533 | 446.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2229 | 5533 | 5534 | 136.00 | | 1560.0000 | 0.00 |
| 2230 | 5534 | 1513 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2231 | 1513 | 320 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 2232 | 320 | 2279 | 171.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2233 | 5534 | 5535 | 160.00 | 6.00 | 150.0000 | 0.00 |
| 2234 | 5535 | 375 | 575.00 | 2.00 | 150.0000 | 0.00 |
| 2235 | 375 | 548 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2236 | 548 | 2377 | 170.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2237 | 2377 | 2495 | 340.00 | 2.00 | 150.0000 | 0.00 |
| 2238 | 5533 | 2208 | 369.00 | 2.00 | 150.0000 | 0.00 |
| 2239 | 2208 | 5666 | 412.00 | 2.00 | 150.0000 | 0.00 |
| 2240 | 5666 | 1539 | 1426.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2241 | 1539 | 1589 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 2242 | 1589 | 284 | 460.00 | 2.00 | 150.0000 | 0.00 |
| 2243 | 284 | 2597 | 25.00 | 2.00 | 150.0000 | 0.00 |
| | 5535 | 5536 | 470.00 | 6.00 | 150.0000 | 0.00 |
| 2244 | | | | | | |
| 2245 | 5536 | 662 | 430.00 | 2.00 | 150.0000 | 0.00 |
| 2246 | 662 | 2621 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2247 | 2621 | 2096 | 300.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2248 | 2096 | 663 | 671.00 | 2.00 | 150.0000 | 0.00 |

| 2249 | 5536 | 5538 | 333.00 | 6.00 | 150.0000 | 0.00 |
|---------|------|------|----------|-------|----------|------|
| 2250 | 5538 | 5537 | 198.00 | 6.00 | 150.0000 | 0.00 |
| | 5539 | 5540 | 1808.00 | 4.00 | 150.0000 | 0.00 |
| 2251 | | | | | | |
| 2252 | 5540 | 5541 | 575.00 | 3.00 | 150.0000 | 0.00 |
| 2253 | 5541 | 5542 | 785.00 | 3.00 | 150.0000 | 0.00 |
| 2254 | 5505 | 1934 | 4089.00 | 4.00 | 150.0000 | 0.00 |
| 2255 | 1934 | 2154 | 2602.00 | 4.00 | 150.0000 | 0.00 |
| 2256 | 2154 | 2192 | 3373.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2257 | 2192 | 8066 | 57.00 | 4.00 | 150.0000 | 0.00 |
| 2258 | 8066 | 1764 | 161.00 | 4.00 | 150.0000 | 0.00 |
| 2259 | 1764 | 5543 | 43.00 | 4.00 | 150.0000 | 0.00 |
| 2260 | 5543 | 2336 | 703.00 | 2.00 | 150.0000 | 0.00 |
| 2261 | 5543 | 1650 | 253.00 | 4.00 | 150.0000 | 0.00 |
| 2262 | 1650 | 1935 | 455.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 2263 | 1935 | 2357 | 594.00 | 4.00 | | 0.00 |
| 2264 | 2357 | 2705 | 52.00 | 4.00 | 150.0000 | 0.00 |
| 2265 | 2705 | 5544 | 1823.00 | 4.00 | 150.0000 | 0.00 |
| 2266 | 5544 | 1768 | 108.00 | 2.00 | 150.0000 | 0.00 |
| 2267 | 1768 | 2553 | 172.00 | 2.00 | 150.0000 | 0.00 |
| 2268 | 2553 | 1796 | 156.00 | 2.00 | 150.0000 | 0.00 |
| 2269 | 1796 | 1793 | 716.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2270 | 1793 | 1797 | 123.00 | 2.00 | 150.0000 | 0.00 |
| 2271 | 1797 | 5545 | 344.00 | 2.00 | 150.0000 | 0.00 |
| 2272 | 5545 | 1783 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2273 | 1783 | 2363 | 24.00 | 2.00 | 150.0000 | 0.00 |
| 2274-XX | 5502 | 5545 | 14880.00 | 10.00 | 150.0000 | 0.00 |
| 2275 | 5544 | 2561 | 107.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2276 | 2561 | 2502 | 1250.00 | 4.00 | 150.0000 | 0.00 |
| 2277 | 2502 | 1734 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 2278 | 1734 | 1785 | 568.00 | 4.00 | 150.0000 | 0.00 |
| 2279 | 1785 | 2661 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 2280 | 2661 | 1444 | 429.00 | 4.00 | 150.0000 | 0.00 |
| 2281 | 1444 | 54 | 172.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2282 | 54 | 1787 | 280.00 | 4.00 | 150.0000 | 0.00 |
| 2283 | 1787 | 5546 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 2284 | 5546 | 1810 | 125.00 | 2.00 | 150.0000 | 0.00 |
| 2285 | 1810 | 2636 | 263.00 | 2.00 | 150.0000 | 0.00 |
| 2286 | 2636 | 2366 | 52.00 | 2.00 | 150.0000 | 0.00 |
| 2287 | 2366 | 8046 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2288 | 5546 | 1782 | 408.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2289 | 1782 | 1636 | 53.00 | 4.00 | 150.0000 | 0.00 |
| 2290 | 1636 | 1795 | 318.00 | 4.00 | 150.0000 | 0.00 |
| 2291 | 1795 | 1770 | 286.00 | 4.00 | 150.0000 | 0.00 |
| 2292 | 1786 | 5548 | 210.00 | 2.00 | 150.0000 | 0.00 |
| 2293 | 1786 | 1807 | 355.00 | 2.00 | 150.0000 | 0.00 |
| 2294 | 5547 | 2375 | 210.00 | 1.00 | 150.0000 | 0.00 |
| | 1770 | 5547 | 193.00 | 4.00 | 150.0000 | 0.00 |
| 2295 | | | | | | |
| 2296 | 5548 | 1808 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2297 | 5547 | 5548 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 2298 | 5548 | 2581 | 192.00 | 4.00 | 150.0000 | 0.00 |
| 2299 | 2581 | 487 | 153.00 | 4.00 | 150.0000 | 0.00 |
| 2300 | 5549 | 1801 | 639.00 | 2.00 | 150.0000 | 0.00 |
| 2301 | 1801 | 2386 | 264.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2302 | 2386 | 1806 | 1515.00 | 2.00 | 150.0000 | 0.00 |
| 2303 | 1806 | 1766 | 156.00 | 2.00 | 150.0000 | 0.00 |
| 2304 | 5549 | 5550 | 689.00 | 3.00 | 150.0000 | 0.00 |
| 2305 | 5550 | 1791 | 114.00 | 3.00 | 150.0000 | 0.00 |
| 2306 | 1791 | 1767 | 531.00 | 3.00 | 150.0000 | 0.00 |
| 2307 | 1767 | 1769 | 2016.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | 150.0000 | |
| 2308 | 1769 | 5551 | 40.00 | 3.00 | | 0.00 |
| 2309 | 5551 | 5552 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2310 | 5552 | 1802 | 125.00 | 3.00 | 150.0000 | 0.00 |
| 2311 | 5552 | 2157 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 2312 | 2157 | 2671 | 229.00 | 2.00 | 150.0000 | 0.00 |
| 2313 | 2671 | 1772 | 170.00 | 2.00 | 150.0000 | 0.00 |
| | | 5553 | 635.00 | 3.00 | 150.0000 | 0.00 |
| 2314 | 5551 | | | | | |
| 2315 | 5553 | 1799 | 248.00 | 2.50 | 150.0000 | 0.00 |
| 2316 | 1799 | 315 | 770.00 | 2.50 | 150.0000 | 0.00 |
| 2317 | 315 | 1765 | 240.00 | 2.50 | 150.0000 | 0.00 |
| 2318 | 1765 | 2138 | 573.00 | 2.50 | 150.0000 | 0.00 |
| 2319 | 2138 | 1792 | 334.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |

| 2320 | 1792 | 1692 | 154.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 2321 | 1692 | 5554 | 168.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2322 | 5554 | 1560 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 2323 | 1560 | 1096 | 1077.00 | 2.00 | 150.0000 | 0.00 |
| 2324 | 1096 | 1135 | 73.00 | 2.00 | 150.0000 | 0.00 |
| 2325 | 1135 | 2540 | 513.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2326 | 2540 | 1804 | 309.00 | 2.00 | 150.0000 | 0.00 |
| 2327 | 1804 | 2287 | 206.00 | 2.00 | 150.0000 | 0.00 |
| 2328 | 2287 | 1803 | 263.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2329 | 1803 | 1047 | 28.00 | 2.00 | 150.0000 | 0.00 |
| 2330 | 1047 | 1789 | 1559.00 | 2.00 | 150.0000 | 0.00 |
| 2331 | 5553 | 2582 | 230.00 | 3.00 | 150.0000 | 0.00 |
| 2332 | 2582 | 5555 | 108.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2333 | 5555 | 428 | 175.00 | 1.00 | 150.0000 | 0.00 |
| 2334 | 5555 | 2212 | 706.00 | 2.50 | 150.0000 | 0.00 |
| 2335 | 2212 | 2601 | 223.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2336 | 2601 | 1798 | 138.00 | 2.50 | 150.0000 | 0.00 |
| 2337 | 1798 | 5556 | 540.00 | 2.50 | 150.0000 | 0.00 |
| 2338 | 5556 | 1778 | 1340.00 | 2.00 | 150.0000 | 0.00 |
| 2339 | 5556 | 7074 | 1165.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2340 | 487 | 2635 | 162.00 | 4.00 | 150.0000 | 0.00 |
| 2341 | 5609 | 505 | 1760.00 | 6.00 | 150.0000 | 0.00 |
| 2342 | 505 | 485 | 27.00 | 6.00 | 150.0000 | 0.00 |
| 2343 | 485 | 461 | 73.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2344 | 461 | 460 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 2345 | 460 | 5557 | 845.00 | 6.00 | 150.0000 | 0.00 |
| 2346 | 5557 | 1465 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 2347 | 1465 | 503 | 88.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2348 | 503 | 1061 | 115.00 | 6.00 | 150.0000 | 0.00 |
| 2349 | 1061 | 5558 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 2350 | 5558 | 5559 | 28.00 | 3.00 | 150.0000 | 0.00 |
| | 5558 | 532 | | | | |
| 2351 | | | 579.00 | 2.00 | 150.0000 | 0.00 |
| 2352 | 532 | 2068 | 392.00 | 2.00 | 150.0000 | 0.00 |
| 2353 | 5559 | 5561 | 454.00 | 1.00 | 150.0000 | 0.00 |
| 2354 | 5561 | 5560 | 495.00 | 1.00 | 150.0000 | 0.00 |
| 2355 | 2068 | 2491 | 591.00 | 2.00 | | |
| | | | | | 150.0000 | 0.00 |
| 2356 | 2491 | 5562 | 1542.00 | 2.00 | 150.0000 | 0.00 |
| 2357 | 5559 | 1732 | 197.00 | 3.00 | 150.0000 | 0.00 |
| 2358 | 1732 | 1895 | 760.00 | 3.00 | 150.0000 | 0.00 |
| | | | 50.00 | | | |
| 2359 | 1895 | 335 | | 3.00 | 150.0000 | 0.00 |
| 2360 | 335 | 5563 | 149.00 | 3.00 | 150.0000 | 0.00 |
| 2361 | 161 | 286 | 15.00 | 2.00 | 150.0000 | 0.00 |
| 2362 | 5563 | 5564 | 80.00 | 2.00 | 150.0000 | 0.00 |
| | | 598 | | | 150.0000 | 0.00 |
| 2363 | 5564 | | 75.00 | 2.00 | | |
| 2364 | 5564 | 304 | 607.00 | 2.00 | 150.0000 | 0.00 |
| 2365 | 304 | 25 | 121.00 | 2.00 | 150.0000 | 0.00 |
| 2366 | 5563 | 1119 | 818.00 | 3.00 | 150.0000 | 0.00 |
| 2367 | 1119 | 1478 | 149.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2368 | 1478 | 9 | 1064.00 | 3.00 | 150.0000 | 0.00 |
| 2369 | 9 | 912 | 581.00 | 3.00 | 150.0000 | 0.00 |
| 2370 | 912 | 321 | 155.00 | 3.00 | 150.0000 | 0.00 |
| 2371 | 321 | 5565 | 502.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2372 | 5565 | 5566 | 24.00 | 4.00 | 150.0000 | 0.00 |
| 2373 | 5566 | 833 | 60.00 | 2.50 | 150.0000 | 0.00 |
| 2374 | 833 | 1118 | 67.00 | 2.50 | 150.0000 | 0.00 |
| | | | | 2.50 | | |
| 2375 | 1118 | 5567 | 1345.00 | | 150.0000 | 0.00 |
| 2376 | 5565 | 1683 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2377 | 1683 | 1585 | 346.00 | 2.00 | 150.0000 | 0.00 |
| 2378 | 216 | 1517 | 251.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2379 | 1517 | 2560 | 315.00 | 2.00 | 150.0000 | 0.00 |
| 2380 | 2560 | 824 | 485.00 | 2.00 | 150.0000 | 0.00 |
| 2381 | 824 | 898 | 446.00 | 2.00 | 150.0000 | 0.00 |
| 2382 | 1585 | 216 | 252.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2383 | 5566 | 5568 | 80.00 | 4.00 | 150.0000 | 0.00 |
| 2384 | 5568 | 5569 | 3645.00 | 4.00 | 150.0000 | 0.00 |
| 2385 | 5569 | 2568 | 1811.00 | 2.00 | 150.0000 | 0.00 |
| 2386 | 2568 | 2569 | 118.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2387 | 5040 | 1909 | 1964.00 | 2.50 | 150.0000 | 0.00 |
| 2388 | 1909 | 1112 | 102.00 | 2.50 | 150.0000 | 0.00 |
| 2389 | 1112 | 2477 | 491.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2390 | 2477 | 1344 | 597.00 | 2.50 | 150.0000 | 0.00 |

| 2391 | 1344 | 546 | 383.00 | 2.50 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 2392 | 546 | 1836 | 66.00 | 2.50 | 150.0000 | 0.00 |
| 2393 | 1836 | 1113 | 125.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2394 | 1113 | 1390 | 92.00 | 2.50 | 150.0000 | 0.00 |
| 2395 | 1390 | 2626 | 121.00 | 2.50 | 150.0000 | 0.00 |
| 2396 | 2626 | 1339 | 71.00 | 2.50 | 150.0000 | 0.00 |
| 2397 | 1339 | 2209 | 20.00 | 2.50 | 150.0000 | 0.00 |
| 2398 | 5570 | 1156 | 349.00 | 4.00 | 150.0000 | 0.00 |
| | 1156 | | 531.00 | 4.00 | | |
| 2399 | | 5040 | | | 150.0000 | 0.00 |
| 2400 | 5040 | 1467 | 711.00 | 4.00 | 150.0000 | 0.00 |
| 2401 | 5375 | 126 | 110.00 | 3.00 | 150.0000 | 0.00 |
| 2402 | 126 | 1690 | 185.00 | 3.00 | 150.0000 | 0.00 |
| 2403 | 1690 | 2207 | 278.00 | 3.00 | 150.0000 | 0.00 |
| 2404 | 2207 | 2088 | 223.00 | 3.00 | 150.0000 | 0.00 |
| | 2088 | | | | | |
| 2405 | | 1617 | 291.00 | 3.00 | 150.0000 | 0.00 |
| 2406 | 1617 | 1610 | 474.00 | 3.00 | 150.0000 | 0.00 |
| 2407 | 1610 | 5356 | 329.00 | 3.00 | 150.0000 | 0.00 |
| 2408 | 5374 | 481 | 81.00 | 2.00 | 150.0000 | 0.00 |
| 2409 | 779 | 547 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2410 | 547 | 77 | 229.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2411 | 1616 | 5364 | 114.00 | 3.00 | 150.0000 | 0.00 |
| 2412 | 5569 | 195 | 988.00 | 4.00 | 150.0000 | 0.00 |
| 2413 | 195 | 2570 | 902.00 | 4.00 | 150.0000 | 0.00 |
| 2414 | 2570 | 2572 | 272.00 | 4.00 | 150.0000 | 0.00 |
| 2415 | 2572 | 2573 | 201.00 | 4.00 | 150.0000 | 0.00 |
| 2416 | 2573 | 2574 | 251.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2417 | 2574 | 2575 | 101.00 | 4.00 | 150.0000 | 0.00 |
| 2418 | 2575 | 2576 | 83.00 | 4.00 | 150.0000 | 0.00 |
| 2419 | 2576 | 2632 | 332.00 | 4.00 | 150.0000 | 0.00 |
| 2420 | 2632 | 2693 | 49.00 | 4.00 | 150.0000 | 0.00 |
| 2421 | 2693 | 2577 | 26.00 | 4.00 | 150.0000 | 0.00 |
| 2422 | 2577 | 5571 | 2869.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2423 | 5572 | 1961 | 1034.00 | 6.00 | 150.0000 | 0.00 |
| 2424 | 1961 | 5573 | 1095.00 | 6.00 | 150.0000 | 0.00 |
| 2425 | 5574 | 1099 | 60.00 | 1.00 | 150.0000 | 0.00 |
| 2426 | 5574 | 1652 | 180.00 | 1.00 | 150.0000 | 0.00 |
| 2427 | 5573 | 5574 | 110.00 | 1.00 | 150.0000 | 0.00 |
| 2428 | 5573 | 1281 | 261.00 | 4.00 | 150.0000 | 0.00 |
| 2429 | 1281 | 204 | 140.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2430 | 204 | 1678 | 140.00 | 4.00 | 150.0000 | 0.00 |
| 2431 | 1678 | 5575 | 191.00 | 4.00 | 150.0000 | 0.00 |
| 2432 | 5575 | 790 | 80.00 | 6.00 | 150.0000 | 0.00 |
| 2433 | 5575 | 992 | 321.00 | 4.00 | 150.0000 | 0.00 |
| 2434 | 790 | 1040 | 321.00 | 6.00 | 150.0000 | 0.00 |
| 2435 | 992 | 2051 | 358.00 | 4.00 | 150.0000 | 0.00 |
| | | 5576 | 157.00 | 4.00 | 150.0000 | |
| 2436 | 2051 | | | | | 0.00 |
| 2437 | 5576 | 1833 | 173.00 | 4.00 | 150.0000 | 0.00 |
| 2438 | 1833 | 1656 | 174.00 | 4.00 | 150.0000 | 0.00 |
| 2439 | 1656 | 5577 | 547.00 | 4.00 | 150.0000 | 0.00 |
| 2440 | 5577 | 2284 | 70.00 | 1.00 | 150.0000 | 0.00 |
| 2441 | 5578 | 5397 | 2555.00 | 6.00 | 150.0000 | 0.00 |
| | 1995 | 1826 | 94.00 | 6.00 | 150.0000 | 0.00 |
| 2444 | | | | | | |
| 2445 | 1826 | 2405 | 59.00 | 6.00 | 150.0000 | 0.00 |
| 2446 | 2284 | 232 | 169.00 | 1.00 | 150.0000 | 0.00 |
| 2447 | 232 | 2173 | 103.00 | 1.00 | 150.0000 | 0.00 |
| 2448 | 5577 | 1315 | 618.00 | 2.00 | 150.0000 | 0.00 |
| 2449 | 1315 | 1520 | 245.00 | 2.00 | 150.0000 | 0.00 |
| | 1520 | 1834 | 274.00 | 2.00 | 150.0000 | 0.00 |
| 2450 | | | | | | |
| 2451 | 1834 | 2319 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 2452 | 2319 | 2667 | 262.00 | 2.00 | 150.0000 | 0.00 |
| 2453 | 2667 | 1674 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2454 | 1674 | 2415 | 497.00 | 2.00 | 150.0000 | 0.00 |
| 2455 | 1040 | 1963 | 1838.00 | 6.00 | 150.0000 | 0.00 |
| | | 5580 | 476.00 | 6.00 | 150.0000 | |
| 2456 | 1963 | | | | | 0.00 |
| 2457 | 5580 | 2039 | 262.00 | 2.00 | 150.0000 | 0.00 |
| 2458 | 2039 | 1777 | 247.00 | 2.00 | 150.0000 | 0.00 |
| 2459 | 1777 | 188 | 852.00 | 2.00 | 150.0000 | 0.00 |
| 2460 | 188 | 2155 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2461 | 2155 | 2103 | 1005.00 | 2.00 | 150.0000 | 0.00 |
| | | | 1966.00 | 2.00 | 150.0000 | 0.00 |
| 2462 | 2103 | 210 | | | | |
| 2463 | 210 | 683 | 515.00 | 2.00 | 150.0000 | 0.00 |

| 2464 | 5581 | 5580 | 2920.00 | 6.00 | 150.0000 | 0.00 |
|------|------|-------|---------|-------|----------|------|
| 2465 | 5581 | 1218 | 639.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2466 | 5581 | 1236 | 770.00 | 6.00 | 150.0000 | 0.00 |
| 2467 | 1236 | 2164 | 152.00 | 6.00 | 150.0000 | 0.00 |
| 2468 | 2164 | 5582 | 742.00 | 6.00 | 150.0000 | 0.00 |
| 2469 | 5582 | 1974 | 1382.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2470 | 1974 | 2464 | 203.00 | 6.00 | 150.0000 | 0.00 |
| 2471 | 2464 | 1087 | 1046.00 | 6.00 | 150.0000 | 0.00 |
| 2472 | 1087 | 650 | 405.00 | 6.00 | 150.0000 | 0.00 |
| 2473 | 650 | 948 | 769.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2474 | 948 | 950 | 502.00 | 6.00 | 150.0000 | 0.00 |
| 2475 | 950 | 949 | 151.00 | 6.00 | 150.0000 | 0.00 |
| 2476 | 949 | 5583 | 4155.00 | 6.00 | 150.0000 | 0.00 |
| 2477 | 5584 | 5585 | 120.00 | 10.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2479 | 5583 | Hwy83 | 143.00 | 6.00 | 150.0000 | 0.00 |
| 2480 | 5585 | 263 | 4842.00 | 4.00 | 150.0000 | 0.00 |
| 2481 | 5586 | 28 | 1631.00 | 2.50 | 150.0000 | 0.00 |
| 2482 | 28 | 654 | 94.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2483 | 5586 | 1238 | 453.00 | 2.00 | 150.0000 | 0.00 |
| 2484 | 1238 | 875 | 5649.00 | 2.00 | 150.0000 | 0.00 |
| 2485 | 875 | 1015 | 243.00 | 2.00 | 150.0000 | 0.00 |
| 2486 | 263 | 5586 | 553.00 | 4.00 | 150.0000 | 0.00 |
| | | | 289.00 | | | |
| 2487 | 5584 | 162 | | 10.00 | 150.0000 | 0.00 |
| 2488 | 162 | 5587 | 2240.00 | 10.00 | 150.0000 | 0.00 |
| 2489 | 5587 | 1658 | 185.00 | 4.00 | 150.0000 | 0.00 |
| 2490 | 5587 | 5588 | 813.00 | 10.00 | 150.0000 | 0.00 |
| | | | 1402.00 | | 150.0000 | |
| 2491 | 5588 | 380 | | 2.00 | | 0.00 |
| 2492 | 380 | 359 | 625.00 | 2.00 | 150.0000 | 0.00 |
| 2493 | 359 | 1657 | 196.00 | 2.00 | 150.0000 | 0.00 |
| 2494 | 5588 | 5589 | 3189.00 | 10.00 | 150.0000 | 0.00 |
| | 5589 | | | | | 0.00 |
| 2495 | | 1262 | 232.00 | 10.00 | 150.0000 | |
| 2496 | 1262 | 5590 | 489.00 | 10.00 | 150.0000 | 0.00 |
| 2497 | 5590 | 770 | 81.00 | 8.00 | 150.0000 | 0.00 |
| 2498 | 770 | 1342 | 324.00 | 8.00 | 150.0000 | 0.00 |
| 2499 | 5590 | 2669 | 198.00 | 10.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2500 | 2669 | 1223 | 100.00 | 10.00 | 150.0000 | 0.00 |
| 2501 | 1184 | 1223 | 206.00 | 10.00 | 150.0000 | 0.00 |
| 2502 | 1184 | 1170 | 615.00 | 10.00 | 150.0000 | 0.00 |
| 2503 | 1170 | 2383 | 10.00 | 8.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2504 | 1170 | 361 | 131.00 | 10.00 | 150.0000 | 0.00 |
| 2505 | 361 | 2340 | 15.00 | 10.00 | 150.0000 | 0.00 |
| 2506 | 2340 | 1819 | 130.00 | 10.00 | 150.0000 | 0.00 |
| 2507 | 1819 | 1990 | 26.00 | 10.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2508 | 1990 | 5591 | 836.00 | 10.00 | 150.0000 | 0.00 |
| 2509 | 5591 | 2030 | 2556.00 | 8.00 | 150.0000 | 0.00 |
| 2510 | 2030 | 610 | 84.00 | 4.00 | 150.0000 | 0.00 |
| 2511 | 610 | 407 | 73.00 | 4.00 | 150.0000 | 0.00 |
| 2512 | 407 | 982 | 1141.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2513 | 982 | 1160 | 305.00 | 4.00 | 150.0000 | 0.00 |
| 2514 | 1160 | 619 | 1021.00 | 4.00 | 150.0000 | 0.00 |
| 2515 | 619 | 5592 | 1049.00 | 2.50 | 150.0000 | 0.00 |
| 2516 | 5592 | 2098 | 1854.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2517 | 2098 | 1453 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 2518 | 5592 | 5593 | 897.00 | 2.00 | 150.0000 | 0.00 |
| 2519 | 5593 | 2468 | 435.00 | 2.00 | 150.0000 | 0.00 |
| 2520 | 2468 | 2237 | 1919.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2521 | 2237 | 5594 | 833.00 | 2.00 | 150.0000 | 0.00 |
| 2522 | 5594 | 1115 | 402.00 | 1.00 | 150.0000 | 0.00 |
| 2523 | 5594 | 1428 | 146.00 | 2.00 | 150.0000 | 0.00 |
| 2524 | 1428 | 39 | 1866.00 | 2.00 | 150.0000 | 0.00 |
| | | | 19.00 | 2.00 | 150.0000 | 0.00 |
| 2525 | 355 | 1679 | | | | |
| 2526 | 1679 | 1889 | 1512.00 | 2.00 | 150.0000 | 0.00 |
| 2527 | 1889 | 2044 | 973.00 | 2.00 | 150.0000 | 0.00 |
| 2528 | 2044 | 2365 | 576.00 | 2.00 | 150.0000 | 0.00 |
| | | 355 | 94.00 | 2.00 | 150.0000 | 0.00 |
| 2529 | 39 | | | | | |
| 2530 | 5591 | 1393 | 54.00 | 12.00 | 150.0000 | 0.00 |
| 2531 | 1393 | 5595 | 1970.00 | 12.00 | 150.0000 | 0.00 |
| 2532 | 5595 | 1419 | 575.00 | 2.00 | 150.0000 | 0.00 |
| 2533 | 1419 | 1910 | 762.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2534 | 1910 | 5596 | 49.00 | 2.00 | 150.0000 | 0.00 |
| 2535 | 5596 | 772 | 55.00 | 1.00 | 150.0000 | 0.00 |
| | | | | | | |

| 2536 | 5595 | 644 | 1928.00 | 12.00 | 150.0000 | 0.00 |
|--------------|------|------|----------|-------|----------|------|
| 2537 | 644 | 89 | 10.00 | 8.00 | 150.0000 | 0.00 |
| 2538 | 644 | 1781 | 3707.00 | 12.00 | 150.0000 | 0.00 |
| 2539 | 1781 | 771 | 446.00 | 12.00 | 150.0000 | 0.00 |
| | | 5597 | | | | |
| 2540 | 771 | | 808.00 | 12.00 | 150.0000 | 0.00 |
| 2541 | 5597 | 1491 | 5270.00 | 12.00 | 150.0000 | 0.00 |
| 2542 | 1491 | 2584 | 75.00 | 12.00 | 150.0000 | 0.00 |
| 2543 | 2584 | 2021 | 77.00 | 12.00 | 150.0000 | 0.00 |
| 2544 | 2021 | 1642 | 482.00 | 12.00 | 150.0000 | 0.00 |
| 2545 | 1642 | 1705 | 70.00 | 12.00 | 150.0000 | 0.00 |
| 2546 | 1705 | 1839 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2547 | 1705 | 1007 | 537.00 | 12.00 | 150.0000 | 0.00 |
| 2548 | 1007 | 2434 | 291.00 | 12.00 | 150.0000 | 0.00 |
| 2549 | 2434 | 5598 | 55.00 | 12.00 | 150.0000 | 0.00 |
| 2550 | 5598 | 1648 | 291.00 | 1.00 | 150.0000 | 0.00 |
| | 1648 | 127 | 142.00 | | | |
| 2551 | | | | 1.00 | 150.0000 | 0.00 |
| 2552 | 5598 | 308 | 737.00 | 10.00 | 150.0000 | 0.00 |
| 2553 | 308 | 5599 | 179.00 | 10.00 | 150.0000 | 0.00 |
| 2554 | 5599 | 1931 | 110.00 | 1.00 | 150.0000 | 0.00 |
| 2555 | 1931 | 1680 | 150.00 | 1.00 | 150.0000 | 0.00 |
| 2556 | 5599 | 1788 | 143.00 | 10.00 | 150.0000 | 0.00 |
| 2557 | 1788 | 5600 | 498.00 | 10.00 | 150.0000 | 0.00 |
| 2558 | 5600 | 176 | 110.00 | 2.00 | 150.0000 | 0.00 |
| 2559 | 176 | 1029 | 502.00 | 1.00 | 150.0000 | 0.00 |
| 2560 | 1029 | 1933 | 101.00 | 1.00 | 150.0000 | 0.00 |
| | 5600 | 625 | | | | |
| 2561 | | | 966.00 | 10.00 | 150.0000 | 0.00 |
| 2562 | 625 | 5601 | 77.00 | 10.00 | 150.0000 | 0.00 |
| 2563 | 5601 | 2014 | 473.00 | 2.00 | 150.0000 | 0.00 |
| 2564 | 2014 | 2704 | 331.00 | 2.00 | 150.0000 | 0.00 |
| 2565 | 1623 | 2660 | 1606.00 | 2.00 | 150.0000 | 0.00 |
| 2566 | 2660 | 2411 | 204.00 | 2.00 | 150.0000 | 0.00 |
| 2567 | 2411 | 1516 | 75.00 | 2.00 | 150.0000 | 0.00 |
| 2568 | 1516 | 1746 | 330.00 | 2.00 | 150.0000 | 0.00 |
| 2569 | 1746 | 1506 | 101.00 | 2.00 | 150.0000 | 0.00 |
| 2570 | 5438 | 7063 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 2571 | 415 | 417 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 2572 | 417 | 524 | 38.00 | 2.00 | 150.0000 | 0.00 |
| 2573 | 524 | 173 | 38.00 | 2.00 | 150.0000 | 0.00 |
| 2574 | 173 | 328 | 31.00 | 2.00 | 150.0000 | 0.00 |
| 2575 | 328 | 1601 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 2576 | 1601 | 725 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 2577 | 725 | 1392 | 42.00 | 2.00 | 150.0000 | 0.00 |
| 2578 | 1392 | 217 | 71.00 | 2.00 | 150.0000 | 0.00 |
| 2579 | 217 | 389 | | | | |
| | | | 78.00 | 2.00 | 150.0000 | 0.00 |
| 2580 | 389 | 220 | 78.00 | 2.00 | 150.0000 | 0.00 |
| 2581 | 220 | 7067 | 39.00 | 2.00 | 150.0000 | 0.00 |
| 2582 | 7067 | 58 | 55.00 | 2.00 | 150.0000 | 0.00 |
| 2583 | 58 | 5426 | 63.00 | 2.00 | 150.0000 | 0.00 |
| 2584 | 5601 | 658 | 178.00 | 10.00 | 150.0000 | 0.00 |
| 2585 | 658 | 5603 | 149.00 | 10.00 | 150.0000 | 0.00 |
| 2586 | 5603 | 1989 | 713.00 | 2.00 | 150.0000 | 0.00 |
| 2587 | 1989 | 2677 | 51.00 | 2.00 | 150.0000 | 0.00 |
| 2588 | 2677 | 2689 | 487.00 | 2.00 | 150.0000 | 0.00 |
| 2589 | 2689 | 2682 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2590 | 5603 | 2 | 146.00 | 10.00 | 150.0000 | 0.00 |
| 2591 | 2 | 8062 | 133.00 | 10.00 | 150.0000 | 0.00 |
| 2592 | 8062 | 1076 | 170.00 | 10.00 | 150.0000 | 0.00 |
| 2593 | 1076 | 5604 | 452.00 | 10.00 | 150.0000 | 0.00 |
| 2594 | 5604 | 5665 | 523.00 | 2.00 | 150.0000 | 0.00 |
| | | | 329.00 | | | |
| 2595 | 1356 | 2271 | | 2.00 | 150.0000 | 0.00 |
| 2596 | 2271 | 1045 | 286.00 | 2.00 | 150.0000 | 0.00 |
| 2597 | 1045 | 2199 | 353.00 | 2.00 | 150.0000 | 0.00 |
| 2598 | 2199 | 2198 | 137.00 | 2.00 | 150.0000 | 0.00 |
| 2599 | 5665 | 2687 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2600 | 5604 | 2430 | 1196.00 | 10.00 | 150.0000 | 0.00 |
| 2601 | 2430 | 5605 | 1228.00 | 10.00 | 150.0000 | 0.00 |
| 2602 | 5605 | 5606 | 316.00 | 12.00 | 150.0000 | 0.00 |
| 2603 | 5606 | 2255 | 15166.00 | 8.00 | 150.0000 | 0.00 |
| 2604 | 5422 | 352 | 45.00 | 2.00 | 150.0000 | 0.00 |
| 2605 | 2255 | 1735 | 262.00 | 12.00 | 150.0000 | 0.00 |
| 2606 | 5607 | 921 | 973.00 | 2.00 | 150.0000 | 0.00 |
| - | | | | | | |

| 2607 | 5608 | 108 | 332.00 | 2.00 | 150.0000 | 0.00 |
|---------|--------|------|----------|-------|----------|------|
| 2608 | 108 | 1187 | 242.00 | 2.00 | 150.0000 | 0.00 |
| | 5607 | 5608 | 834.00 | | | |
| 2609 | | | | 6.00 | 150.0000 | 0.00 |
| 2610 | 5608 | 9004 | 64.00 | 6.00 | 150.0000 | 0.00 |
| 2611 | 5243 | 8039 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2612 | 5635 | 1927 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2613 | 289 | 5644 | 561.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2615 | 5608 | 5612 | 8584.00 | 8.00 | 150.0000 | 0.00 |
| 2616 | 5612 | 5613 | 1839.00 | 4.00 | 150.0000 | 0.00 |
| 2617 | 5613 | 8056 | 808.00 | 2.00 | 150.0000 | 0.00 |
| 2618 | 8056 | 8055 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | 8055 | | 121.00 | 2.00 | | |
| 2619 | | 8058 | | | 150.0000 | 0.00 |
| 2620 | 8058 | 8057 | 34.00 | 2.00 | 150.0000 | 0.00 |
| 2621 | 5613 | 2148 | 1682.00 | 2.00 | 150.0000 | 0.00 |
| 2622 | 2148 | 2503 | 261.00 | 2.00 | 150.0000 | 0.00 |
| 2623 | 2503 | 2178 | 340.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2624 | 2178 | 2175 | 27.00 | 2.00 | 150.0000 | 0.00 |
| 2625 | 2175 | 2174 | 477.00 | 2.00 | 150.0000 | 0.00 |
| 2626 | 2174 | 2177 | 585.00 | 2.00 | 150.0000 | 0.00 |
| 2627 | 2177 | 2180 | 472.00 | 2.00 | 150.0000 | 0.00 |
| 2628 | 2180 | 2179 | 430.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2629 | 2179 | 2176 | 206.00 | 2.00 | 150.0000 | 0.00 |
| 2630 | 5430 | 416 | 48.00 | 2.00 | 150.0000 | 0.00 |
| 2631-XX | 5496 | 5502 | 13710.00 | 10.00 | 150.0000 | 0.00 |
| 2632 | 5488 | 9002 | 102.00 | 4.00 | 150.0000 | 0.00 |
| 2633 | 5490 | 9001 | 42.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2634 | 5492 | 5493 | 43.00 | 3.00 | 150.0000 | 0.00 |
| 2635 | 5493 | 9000 | 39.00 | 3.00 | 150.0000 | 0.00 |
| 2636 | FGN-BB | J-44 | 58.00 | 6.00 | 150.0000 | 0.00 |
| 2637 | 5617 | 5497 | 55.00 | 6.00 | 150.0000 | 0.00 |
| | 5618 | 1572 | | 3.00 | 150.0000 | |
| 2638 | | | 672.00 | | | 0.00 |
| 2639 | 1572 | 1592 | 127.00 | 3.00 | 150.0000 | 0.00 |
| 2640 | 1592 | 1551 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2641 | 1551 | 1593 | 396.00 | 3.00 | 150.0000 | 0.00 |
| 2642 | 1593 | 159 | 262.00 | 3.00 | 150.0000 | 0.00 |
| | 159 | 2450 | | 3.00 | 150.0000 | |
| 2643 | | | 11.00 | | | 0.00 |
| 2644 | 2450 | 932 | 141.00 | 3.00 | 150.0000 | 0.00 |
| 2645 | 932 | 98 | 313.00 | 3.00 | 150.0000 | 0.00 |
| 2646 | 98 | 1229 | 320.00 | 3.00 | 150.0000 | 0.00 |
| 2647 | 1229 | 5619 | 20.00 | 3.00 | 150.0000 | 0.00 |
| | | | | 3.00 | | |
| 2648 | 5619 | 215 | 204.00 | | 150.0000 | 0.00 |
| 2649 | 1384 | 5620 | 811.00 | 3.00 | 150.0000 | 0.00 |
| 2650 | 1566 | 660 | 178.00 | 3.00 | 150.0000 | 0.00 |
| 2651 | 660 | 2449 | 185.00 | 3.00 | 150.0000 | 0.00 |
| 2652 | 2449 | 714 | 25.00 | 3.00 | 150.0000 | 0.00 |
| | 714 | 1332 | 266.00 | 3.00 | 150.0000 | 0.00 |
| 2653 | | | | | | |
| 2654 | 1332 | 2498 | 51.00 | 3.00 | 150.0000 | 0.00 |
| 2655 | 2498 | 181 | 263.00 | 3.00 | 150.0000 | 0.00 |
| 2656 | 5501 | 2331 | 458.00 | 6.00 | 150.0000 | 0.00 |
| 2657 | 2331 | 121 | 73.00 | 6.00 | 150.0000 | 0.00 |
| | 5618 | | | | 150.0000 | |
| 2658 | | 1384 | 208.00 | 3.00 | | 0.00 |
| 2659 | 5618 | 5503 | 574.00 | 3.00 | 150.0000 | 0.00 |
| 2660 | 1379 | 1566 | 41.00 | 3.00 | 150.0000 | 0.00 |
| 2661 | 5620 | 1379 | 445.00 | 3.00 | 150.0000 | 0.00 |
| 2662 | 5620 | 1511 | 260.00 | 3.00 | 150.0000 | 0.00 |
| | | | 62.00 | 6.00 | | |
| 2663 | 5515 | 2458 | | | 150.0000 | 0.00 |
| 2664 | 2458 | 1527 | 433.00 | 6.00 | 150.0000 | 0.00 |
| 2666 | 2144 | 5513 | 172.00 | 6.00 | 150.0000 | 0.00 |
| 2667 | 5625 | 199 | 124.00 | 2.00 | 150.0000 | 0.00 |
| 2668 | 199 | 2135 | 104.00 | 2.00 | 150.0000 | 0.00 |
| | 2135 | 2038 | 357.00 | 2.00 | 150.0000 | 0.00 |
| 2669 | | | | | | |
| 2670 | 2038 | 1475 | 91.00 | 2.00 | 150.0000 | 0.00 |
| 2671 | 1596 | 1476 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2672 | 5513 | 5625 | 745.00 | 6.00 | 150.0000 | 0.00 |
| 2673 | 5537 | 5626 | 1000.00 | 6.00 | 150.0000 | 0.00 |
| | | | | 4.00 | | |
| 2674 | 5626 | 5627 | 500.00 | | 150.0000 | 0.00 |
| 2675 | 5627 | 8054 | 120.00 | 4.00 | 150.0000 | 0.00 |
| 2676 | 8054 | 143 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2677 | 143 | 5628 | 210.00 | 4.00 | 150.0000 | 0.00 |
| 2678 | 5628 | 1691 | 700.00 | 2.00 | 150.0000 | 0.00 |
| 2679 | 1691 | 840 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2013 | *03* | 040 | 10.00 | 2.00 | | 0.00 |

| 2680 | 840 | 739 | 190.00 | 2.00 | 150.0000 | 0.00 |
|--------------|--------------|-------------|----------------|--------------|----------------------|--------------|
| 2681 | 739 | 8018 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 2682 | 8018 | 1372 | | | | |
| | | | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2683 | 5628 | 655 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2684 | 655 | 2695 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2685 | 2695 | 639 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2686 | 639 | 13 | 220.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2687 | 13 | 5629 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2688 | 5629 | 1080 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2689 | 1080 | 1224 | 230.00 | 2.00 | 150.0000 | 0.00 |
| 2690 | 1224 | 759 | 40.00 | 2.00 | 150.0000 | 0.00 |
| | 5629 | 1630 | 50.00 | | | |
| 2691 | | | | 1.00 | 150.0000 | 0.00 |
| 2692 | 1630 | 1639 | 230.00 | 1.00 | 150.0000 | 0.00 |
| 2693 | 1639 | 1063 | 30.00 | 1.00 | 150.0000 | 0.00 |
| 2694 | 5626 | 5630 | 100.00 | 6.00 | 150.0000 | 0.00 |
| 2695 | 5630 | 5631 | 100.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2696 | 5631 | 5632 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2697 | 5632 | 2471 | 250.00 | 3.00 | 150.0000 | 0.00 |
| 2698 | 2471 | 5633 | 280.00 | 3.00 | 150.0000 | 0.00 |
| 2699 | 5633 | 718 | 400.00 | 2.00 | 150.0000 | 0.00 |
| 2700 | 718 | 5634 | 800.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2701 | 5634 | 280 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2702 | 280 | 1287 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2703 | 1287 | 5635 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2704 | 5635 | 196 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2705 | 196 | 1915 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2706 | 1927 | 1926 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2707 | 1926 | 1946 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2708 | 1946 | 2000 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2709 | 2000 | 1999 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2710 | 1999 | 511 | 200.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2711 | 511 | 5636 | 760.00 | 2.00 | 150.0000 | 0.00 |
| 2712 | 5636 | 2204 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 2713 | 2204 | 5637 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 2714 | 5637 | 5640 | 200.00 | 2.00 | 150.0000 | 0.00 |
| | 5637 | 5638 | 200.00 | 2.00 | 150.0000 | |
| 2715 | | | | | | 0.00 |
| 2716 | 5638 | 5639 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2717-XX | 5638 | 5632 | 180.00 | 3.00 | 150.0000 | 0.00 |
| 2718 | 5639 | 5640 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 2719 | 5639 | 5641 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2720 | 5641 | 1894 | 80.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2721 | 1894 | 711 | 140.00 | 2.00 | 150.0000 | 0.00 |
| 2722 | 5641 | 2041 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2723 | 2041 | 447 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2724 | 447 | 17 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2725 | 17 | 2309 | 100.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2726 | 2433 | 1420 | 500.00 | 6.00 | 150.0000 | 0.00 |
| 2727 | 5640 | 2673 | 160.00 | 6.00 | 150.0000 | 0.00 |
| 2728 | 2673 | 2433 | 80.00 | 6.00 | 150.0000 | 0.00 |
| 2729 | 5631 | 1556 | 110.00 | 6.00 | 150.0000 | 0.00 |
| 2730 | 1556 | 5639 | 50.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2731 | 5643 | 289 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 2732 | 5643 | 1420 | 60.00 | 4.00 | 150.0000 | 0.00 |
| 2733 | 1420 | 693 | 10.00 | 6.00 | 150.0000 | 0.00 |
| 2734 | 693 | 73 | 50.00 | 6.00 | 150.0000 | 0.00 |
| | 73 | 82 | 60.00 | 6.00 | 150.0000 | 0.00 |
| 2735 | | | | | | |
| 2736 | 82 | 5642 | 300.00 | 6.00 | 150.0000 | 0.00 |
| 2737 | 5644 | 1210 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2738 | 1210 | 372 | 130.00 | 3.00 | 150.0000 | 0.00 |
| 2739 | 372 | 15 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2740 | 5644 | 5645 | 200.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2741 | 5645 | 2140 | 140.00 | 3.00 | 150.0000 | 0.00 |
| 2742 | 2140 | 845 | 60.00 | 3.00 | 150.0000 | 0.00 |
| 2743 | 845 | 700 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 2744 | 700 | 990 | 100.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2745 | 990 | 1272 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 2746 | 1272 | 221 | 30.00 | 3.00 | 150.0000 | 0.00 |
| 2747 | 221 | 23 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 2748 | 23 | 1659 | 150.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2749 | | | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2749
2750 | 1659
2107 | 2107
298 | 10.00
70.00 | 3.00
3.00 | 150.0000
150.0000 | 0.00
0.00 |

| 2751 | 298 | 601 | 200.00 | 3.00 | 150.0000 | 0.00 |
|------|------|------|--------|------|----------|------|
| 2752 | 5645 | 591 | 100.00 | 3.00 | 150.0000 | 0.00 |
| 2753 | 591 | 483 | 10.00 | 3.00 | 150.0000 | 0.00 |
| | 483 | | | | | |
| 2754 | | 2202 | 100.00 | 3.00 | 150.0000 | 0.00 |
| 2755 | 2202 | 2117 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2756 | 2117 | 1377 | 150.00 | 3.00 | 150.0000 | 0.00 |
| 2757 | 1377 | 5646 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2758 | 5646 | 5647 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2759 | 5647 | 1546 | 160.00 | 3.00 | 150.0000 | 0.00 |
| 2760 | 1546 | 1483 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2761 | 1483 | 844 | 130.00 | 3.00 | 150.0000 | 0.00 |
| 2762 | 844 | 5648 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2763 | 5648 | 1092 | 50.00 | 3.00 | 150.0000 | 0.00 |
| 2764 | 1092 | 5649 | 250.00 | 3.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2765 | 5649 | 2684 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2766 | 2684 | 802 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2767 | 802 | 65 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2768 | 65 | 419 | 70.00 | 3.00 | 150.0000 | 0.00 |
| 2769 | 419 | 1303 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2770 | 1303 | 1969 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2771 | 1969 | 1375 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2772 | 2172 | 1375 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2773 | 991 | 2172 | 90.00 | 2.00 | 150.0000 | 0.00 |
| 2774 | 991 | 5650 | 150.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2775 | 5650 | 102 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2776 | 102 | 276 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2777 | 276 | 1100 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2778 | 1100 | 182 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2779 | 182 | 733 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2780 | 733 | 570 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2781 | 570 | 219 | 120.00 | 6.00 | 150.0000 | 0.00 |
| 2782 | 219 | 5642 | 50.00 | 6.00 | 150.0000 | 0.00 |
| 2783 | 5642 | 5647 | 720.00 | 4.00 | 150.0000 | 0.00 |
| 2784 | 5630 | 5539 | 650.00 | 4.00 | 150.0000 | 0.00 |
| 2785 | 5542 | 9003 | 52.00 | 3.00 | 150.0000 | 0.00 |
| 2786 | 5605 | 510 | 350.00 | 2.00 | 150.0000 | 0.00 |
| 2787 | 510 | 200 | 250.00 | 2.00 | 150.0000 | |
| | | 2512 | | | | 0.00 |
| 2788 | 200 | | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2789 | 2512 | 2513 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2790 | 2513 | 2537 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2791 | 2537 | 264 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2792 | 264 | 2516 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2793 | 2516 | 2515 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2794 | 2515 | 2514 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2795 | 2514 | 2666 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2796 | 2666 | 2302 | 250.00 | 2.00 | 150.0000 | 0.00 |
| 2797 | 2302 | 2506 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 2798 | 2506 | 2507 | 300.00 | 2.00 | 150.0000 | 0.00 |
| 2799 | 5660 | 5610 | 500.00 | 4.00 | 150.0000 | 0.00 |
| 2800 | 757 | 1653 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2801 | 1653 | 1920 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2802 | 1920 | 1150 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2803 | 5610 | 5611 | 300.00 | 4.00 | 150.0000 | 0.00 |
| 2804 | 5611 | 1020 | 150.00 | 2.00 | 150.0000 | 0.00 |
| 2805 | 1020 | 164 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2806 | 5611 | 1925 | 50.00 | 4.00 | 150.0000 | 0.00 |
| 2807 | 1925 | 2452 | 150.00 | 4.00 | 150.0000 | 0.00 |
| 2808 | 2452 | 5651 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 2809 | 5651 | 606 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2810 | 606 | 6 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2811 | 6 | 322 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2812 | 322 | 172 | 30.00 | 2.00 | 150.0000 | |
| | | | | | | 0.00 |
| 2813 | 5651 | 5652 | 150.00 | 4.00 | 150.0000 | 0.00 |
| 2814 | 5652 | 5654 | 100.00 | 4.00 | 150.0000 | 0.00 |
| 2815 | 5654 | 1268 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2816 | 1268 | 212 | 120.00 | 2.00 | 150.0000 | 0.00 |
| 2817 | 212 | 1004 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2818 | 5654 | 5655 | 150.00 | 4.00 | 150.0000 | 0.00 |
| 2819 | 5655 | 793 | 250.00 | 3.00 | 150.0000 | 0.00 |
| 2820 | 793 | 794 | 10.00 | 3.00 | 150.0000 | 0.00 |
| 2821 | 794 | 1499 | 150.00 | 3.00 | 150.0000 | 0.00 |
| | | | | | | |

| 2822 | 5656 | 193 | 200.00 | 2.00 | 150.0000 | 0.00 |
|------|------|------|---------|------|----------|------|
| 2823 | 1499 | 5656 | 30.00 | 3.00 | 150.0000 | 0.00 |
| | 193 | | 100.00 | | | |
| 2824 | | 471 | | 2.00 | 150.0000 | 0.00 |
| 2825 | 471 | 283 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2826 | 283 | 1286 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2827 | 1286 | 1149 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2828 | 5656 | 5657 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2829 | 5657 | 88 | 30.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2830 | 88 | 175 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2831 | 175 | 441 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2832 | 441 | 1479 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2833 | 1479 | 1537 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2834 | 1537 | 1800 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2835 | 1800 | 706 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2836 | 706 | 1586 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2837 | 1586 | 1503 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 2838 | 1503 | 889 | 60.00 | 2.00 | 150.0000 | 0.00 |
| 2839 | 889 | 1240 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2840 | 5653 | 699 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2841 | 699 | 5657 | 400.00 | 2.00 | | |
| | | | | | 150.0000 | 0.00 |
| 2842 | 5653 | 499 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2843 | 499 | 2674 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2844 | 2674 | 929 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2845 | 929 | 1267 | 70.00 | 2.00 | 150.0000 | 0.00 |
| 2846 | 1267 | 545 | 30.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2847 | 545 | 1591 | 40.00 | 2.00 | 150.0000 | 0.00 |
| 2848 | 1591 | 1093 | 80.00 | 2.00 | 150.0000 | 0.00 |
| 2849 | 1093 | 5658 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2850 | 5658 | 5659 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2851 | 5659 | 788 | 30.00 | 2.00 | 150.0000 | 0.00 |
| 2852 | 5659 | 789 | 20.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2853 | 5658 | 869 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2854 | 869 | 171 | 50.00 | 2.00 | 150.0000 | 0.00 |
| 2855 | 171 | 599 | 200.00 | 2.00 | 150.0000 | 0.00 |
| 2856 | 599 | 1590 | 105.00 | 2.00 | 150.0000 | 0.00 |
| 2857 | 5660 | 821 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2858 | 821 | 1665 | 10.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2859 | 5610 | 784 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2860 | 1476 | 621 | 800.00 | 2.00 | 150.0000 | 0.00 |
| 2861 | 621 | 2590 | 1000.00 | 2.00 | 150.0000 | 0.00 |
| 2862 | 2590 | 1775 | 1100.00 | 2.00 | 150.0000 | 0.00 |
| 2863 | 1775 | 2557 | 900.00 | 2.00 | 150.0000 | 0.00 |
| 2864 | 2557 | 860 | 500.00 | 2.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2865 | 860 | 2591 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2866 | 5622 | 9005 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 2867 | 5624 | 9006 | 40.00 | 3.00 | 150.0000 | 0.00 |
| 2868 | 1527 | 5512 | 47.00 | 6.00 | 150.0000 | 0.00 |
| 2869 | 5606 | 9007 | 74.00 | 6.00 | 150.0000 | 0.00 |
| 2870 | 5512 | 2144 | 83.00 | 6.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2871 | 5625 | 5660 | 250.00 | 4.00 | 150.0000 | 0.00 |
| 2872 | 784 | 757 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2873 | 5652 | 5653 | 10.00 | 4.00 | 150.0000 | 0.00 |
| 2874 | 1475 | 1596 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2875 | 2123 | 5002 | 460.00 | 2.00 | 150.0000 | 0.00 |
| 2876 | 1321 | 5012 | 88.00 | 4.00 | 150.0000 | 0.00 |
| | | | | | | |
| 2877 | 808 | 2702 | 894.00 | 4.00 | 150.0000 | 0.00 |
| 2878 | 2702 | 5041 | 461.00 | 4.00 | 150.0000 | 0.00 |
| 2879 | 5526 | 2587 | 100.00 | 2.00 | 150.0000 | 0.00 |
| 2880 | 5532 | 5662 | 2405.00 | 2.00 | 150.0000 | 0.00 |
| 2881 | 5662 | 2605 | 975.00 | 2.00 | 150.0000 | 0.00 |
| | 2605 | 2583 | 248.00 | 2.00 | 150.0000 | 0.00 |
| 2882 | | | | | | |
| 2883 | 2583 | 179 | 250.00 | 2.00 | 150.0000 | 0.00 |
| 2884 | 179 | 1402 | 53.00 | 2.00 | 150.0000 | 0.00 |
| 2885 | 1402 | 281 | 420.00 | 2.00 | 150.0000 | 0.00 |
| 2886 | 2635 | 5549 | 195.00 | 4.00 | 150.0000 | 0.00 |
| 2887 | 5232 | 388 | 1112.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |
| 2888 | 388 | 1670 | 254.00 | 2.50 | 150.0000 | 0.00 |
| 2889 | 1670 | 5663 | 107.00 | 2.50 | 150.0000 | 0.00 |
| 2890 | 5663 | 5664 | 83.00 | 2.00 | 150.0000 | 0.00 |
| 2891 | 5664 | 432 | 440.00 | 2.00 | 150.0000 | 0.00 |
| 2892 | 5663 | 306 | 538.00 | 2.50 | 150.0000 | 0.00 |
| | | | | | | |

| 2893 | 306 | 703 | 160.00 | 2.50 | 150.0000 | 0.00 |
|------------------|--------------------|-------------------|-----------------|--------------|----------------------|--------------|
| 2894 | 5377 | 115 | 537.00 | 2.00 | 150.0000 | 0.00 |
| 2895 | 115 | 2066 | 113.00 | 2.00 | 150.0000 | 0.00 |
| 2896 | 2066 | 7070 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2897 | 7070 | 2511 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2898 | 2511 | 7071 | 97.00 | 2.00 | 150.0000 | 0.00 |
| 2899 | 7071 | 1726 | 152.00 | 2.00 | 150.0000 | 0.00 |
| 2900 | 1726 | 197 | 10.00 | 2.00 | 150.0000 | 0.00 |
| 2901
2903 | 197
5665 | 2740
1356 | 65.00
13.00 | 2.00 | 150.0000 | 0.00 |
| 2904 | 1735 | 5607 | 1442.00 | 12.00 | 150.0000
150.0000 | 0.00 |
| 2907 | 62 | 552 | 110.00 | 2.00 | 150.0000 | 0.00 |
| P-1295 | 5572 | R-2 | 3396.00 | 6.00 | 150.0000 | 0.00 |
| P-130 | | McMahan-1 | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-1322 | J-1 | 5361 | 115.00 | 2.00 | 150.0000 | 0.00 |
| P-1451 | 5120 | J -3 | 127.00 | 1.50 | 150.0000 | 0.00 |
| P-157 | 5667 | Payne-2 | 17.00 | 6.00 | 150.0000 | 0.00 |
| P-1695 | JimNetheryJ: | imNethery | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-173 | 5667 | Payne-1 | 24.00 | 6.00 | 150.0000 | 0.00 |
| P-1784 | 5661 | J-22 | 73.00 | 3.00 | 150.0000 | 0.00 |
| P-1949 | Hwy83-Plan | Hwy83-2 | 39.00 | 4.00 | 150.0000 | 0.00 |
| P-208 | Tebo | Tebo-1 | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-209 | Tebo | Tebo-2 | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-2138 | | wy83-Plan | 121.00 | 4.00 | 150.0000 | 0.00 |
| P-2140 | Hwy83-Plan | Hwy83-1 | 35.00 | 4.00 | 150.0000 | 0.00 |
| P-2141 | J-37 | J-22 | 15.00 | 3.00 | 150.0000 | 0.00 |
| P-2142 | J-37 | 5505 | 33.00 | 4.00 | 150.0000 | 0.00 |
| P-2442 | J-21 | King-2 | 108.00 | 6.00 | 150.0000 | 0.00 |
| P-2443 | J-21 | King-1 | 66.00 | 6.00 | 150.0000 | 0.00 |
| P-2478 | | rossRoad- | 352.00 | 6.00 | 150.0000 | 0.00 |
| P-2614 | Plant-A5 | 5668 | 10.00 | 6.00 | 100.0000 | 0.00 |
| P-2665 | Hemphill-T | 34-Pump-1
5335 | 154.00
76.00 | 6.00
6.00 | 150.0000 | 0.00 |
| P-2902
P-2905 | Payne-2 | 5048 | 15.00 | 6.00 | 150.0000
150.0000 | 0.00
0.00 |
| P-2906 | McMahan | J-8 | 45.00 | 4.00 | 150.0000 | 0.00 |
| P-2908 | 5047 | Plant-A5 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2909 | 5668 | 5047 | 97.00 | 6.00 | 150.0000 | 0.00 |
| P-2910 | McMahan | 5035 | 53.00 | 2.00 | 150.0000 | 0.00 |
| P-2911 | McMahan-1 | McMahan | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-2912 | McMahan-2 | McMahan | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-2913 | Payne-1 | 5048 | 12.00 | 6.00 | 150.0000 | 0.00 |
| P-2914 | 5048 | PRV-1 | 225.00 | 6.00 | 150.0000 | 0.00 |
| P-2915 | 5071 | Tebo | 2330.00 | 4.00 | 150.0000 | 0.00 |
| P-2916 | 1232 | J-29 | 1278.00 | 6.00 | 150.0000 | 0.00 |
| P-2917 | JimNetheryJ: | | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-2918 | Tebo-1 | J-29 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2919 | Tebo-2 | J-29 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2920 | JimNethery | 5394 | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-2921 | JimNethery
5579 | 5394 | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-2922
P-2923 | | J-21
5578 | 174.00
67.00 | 6.00
6.00 | 150.0000
150.0000 | 0.00
0.00 |
| P-2923
P-2924 | King-1
King-2 | 5578 | 101.00 | 6.00 | 150.0000 | 0.00 |
| P-2925 | 5462 | Midlake | 30.00 | 6.00 | 150.0000 | 0.00 |
| P-2926 | Midlake 1 | | 49.00 | 6.00 | 150.0000 | 0.00 |
| P-2927 | Midlake N | | 49.00 | 6.00 | 150.0000 | 0.00 |
| P-2928 | J-24 | 5415 | 23.00 | 6.00 | 150.0000 | 0.00 |
| P-2929 | Midlake-2 | J-24 | 50.00 | 6.00 | 150.0000 | 0.00 |
| P-2930 | Midlake-1 | J-24 | 52.00 | 6.00 | 150.0000 | 0.00 |
| P-2931 | J-37 | 5506 | 23.00 | 8.00 | 150.0000 | 0.00 |
| P-2932 | Hwy83-1 | J-37 | 32.00 | 4.00 | 150.0000 | 0.00 |
| P-2933 | Hwy83-2 | J-37 | 27.00 | 4.00 | 150.0000 | 0.00 |
| P-2934 | 5221 | J-45 | 109.00 | 6.00 | 150.0000 | 0.00 |
| P-2935 | J-44 V | WTHwy83-1 | 35.00 | 6.00 | 150.0000 | 0.00 |
| P-2936 | CrossRoad- | J-45 | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-2937 | Bron-Pump-B | conson-ES | 19.00 | 6.00 | 150.0000 | 0.00 |
| P-2938 | CrossRoad- | J-45 | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-2939 | J-53 | 5617 | 94.00 | 6.00 | 150.0000 | 0.00 |
| P-2940 | WTHwy83-1 | J-53 | 26.00 | 6.00 | 150.0000 | 0.00 |
| P-2941 | WTHyw83-2 | J-53 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-2942 | | TMidlake- | 15.00 | 6.00 | 150.0000 | 0.00 |
| P-2943 | WTMidlake- | 5494 | 17.00 | 6.00 | 150.0000 | 0.00 |

| P-2944 | WTMidlake- | 5494 | 25.00 | 6.00 | 150.0000 | 0.00 |
|--------|--------------|----------|---------|-------|----------|------|
| P-2945 | Hwy83 | 5585 | 37.00 | 10.00 | 150.0000 | 0.00 |
| P-2946 | J-18Br | on-Pump- | 9.00 | 6.00 | 150.0000 | 0.00 |
| P-2947 | Bronson-ESBr | onPump-2 | 13.00 | 6.00 | 150.0000 | 0.00 |
| P-2948 | J-69 | 5260 | 3035.00 | 6.00 | 150.0000 | 0.00 |
| P-2949 | Bronson-ES | 5119 | 13.00 | 6.00 | 150.0000 | 0.00 |
| P-2951 | 184-Pump-1 | J-63 | 152.00 | 6.00 | 150.0000 | 0.00 |
| P-2952 | Midlake | Pump-1 | 46.00 | 6.00 | 150.0000 | 0.00 |
| P-2953 | 184-Pump-2 | T-1 | 171.00 | 6.00 | 150.0000 | 0.00 |
| P-2954 | 5335 | T-1 | 61.00 | 6.00 | 150.0000 | 0.00 |
| P-2955 | Pump-1 | J-24 | 47.00 | 6.00 | 150.0000 | 0.00 |
| P-2956 | 184-Pump-2 | J-63 | 143.00 | 6.00 | 150.0000 | 0.00 |
| P-2957 | WTHyw83-2 | J-44 | 20.00 | 6.00 | 150.0000 | 0.00 |
| P-367 | BronPump-2 | J-18 | 10.00 | 6.00 | 150.0000 | 0.00 |
| P-373 | J-3 | 1369 | 36.00 | 1.50 | 150.0000 | 0.00 |
| P-520 | J-1 | 5360 | 346.00 | 2.00 | 150.0000 | 0.00 |
| P-696 | J-11 M | cMahan-2 | 6.00 | 6.00 | 150.0000 | 0.00 |
| P-763 | CrossRoad-Cr | ossRoad- | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-764 | CrossRoad-Cr | ossRoad- | 10.00 | 4.00 | 150.0000 | 0.00 |
| P-777 | 5218 | J-45 | 3.00 | 3.00 | 150.0000 | 0.00 |
| P-87 | 5034 | J-8 | 249.00 | 4.00 | 150.0000 | 0.00 |
| P-88 | 5609 | R-1 | 1293.00 | 6.00 | 150.0000 | 0.00 |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE 184-Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 2)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 387.69 | 0.00 | 1.00 |
| 276.92 | 250.00 | 1.00 |
| 180.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE 184-Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (శ) |
| | | |
| 387.69 | 0.00 | 1.00 |
| 276.92 | 250.00 | 1.00 |
| 180.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Bron-Pump- DESCRIBED BY THE' FOLLOWING DATA: (ID= 4)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 210.00 | 0.00 | 1.00 |
| 150.00 | 200.00 | 1.00 |
| 97.50 | 300.00 | 1.00 |

THERE IS A DEVICE AT NODE BronPump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 5)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 210.00 | 0.00 | 1.00 |
| 150.00 | 200.00 | 1.00 |
| 97.50 | 300.00 | 1.00 |
| | | |

THERE IS A DEVICE AT NODE CrossRoad- DESCRIBED BY THE' FOLLOWING DATA: (ID= 6)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 193.85 | 0.00 | 1.00 |
| 138.46 | 250.00 | 1.00 |
| 90.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE CrossRoad- DESCRIBED BY THE' FOLLOWING DATA: (ID= 7)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| | | |
| 193.85 | 0.00 | 1.00 |
| 138.46 | 250.00 | 1.00 |
| 90.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Hwy83-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY |
|--------------|-------------------|-----------------|
| 210.00 | 0.00 | 75.00 (Default) |
| 200.00 | 250.00 | 75.00 (Default) |
| 160.00 | 400.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.990

THERE IS A DEVICE AT NODE Hwy83-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|-----------------|
| (ft) | (gpm) | (%) |
| 210.00 | 0.00 | 75.00 (Default) |
| 200.00 | 250.00 | 75.00 (Default) |
| 160.00 | 400.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.980

THERE IS A DEVICE AT NODE JimNethery DESCRIBED BY THE' FOLLOWING DATA: (ID= 8)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 678.46 | 0.00 | 1.00 |
| 484.62 | 250.00 | 1.00 |
| 315.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE JimNethery DESCRIBED BY THE' FOLLOWING DATA: (ID= 9)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 678.46 | 0.00 | 1.00 |
| 484.62 | 250.00 | 1.00 |
| 315.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE King-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 10)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 225.00 | 1.00 |
| 120.00 | 337.50 | 1.00 |

THERE IS A DEVICE AT NODE King-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 11)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 258.46 | 0.00 | 1.00 |
| 184.62 | 225.00 | 1.00 |
| 120.00 | 337.50 | 1.00 |

THERE IS A DEVICE AT NODE McMahan-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 12)

HEAD FLOWRATE EFFICIENCY

| (ft) | (gpm) | (%) |
|--------|--------|------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 240.00 | 1.00 |
| 120.00 | 360.00 | 1.00 |

THERE IS A DEVICE AT NODE McMahan-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 13)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 258.46 | 0.00 | 1.00 |
| 184.62 | 240.00 | 1.00 |
| 120.00 | 360.00 | 1.00 |

THERE IS A DEVICE AT NODE Midlake-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 14)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|------------------|-------------------|----------------|
| 252.00
180.00 | 0.00 | 1.00 |
| 117.00 | 450.00 | 1.00 |

THERE IS A DEVICE AT NODE Midlake-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 15)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 252.00 | 0.00 | 1.00 |
| 180.00 | 300.00 | 1.00 |
| 117.00 | 450.00 | 1.00 |

THERE IS A DEVICE AT NODE Payme-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 16)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| 206.77 | 0.00 | 1.00 |
| 147.69 | 250.00 | 1.00 |
| 96.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Payme-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 17)

| HEAD
(ft) | FLOWRATE (gpm) | EFFICIENCY
(%) |
|--------------|----------------|-------------------|
| 206.77 | 0.00 | 1.00 |
| 147.69 | 250.00 | 1.00 |
| 96.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 18)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 252.00 | 0.00 | 1.00 |
| 180.00 | 300.00 | 1.00 |
| 117.00 | 450.00 | 1.00 |

THERE IS A DEVICE AT NODE Tebo-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 19)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 226.15 | 0.00 | 1.00 |
| 161.54 | 250.00 | 1.00 |
| 105.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE Tebo-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 20)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 226.15 | 0.00 | 1.00 |
| 161.54 | 250.00 | 1.00 |
| 105.00 | 375.00 | 1.00 |

THERE IS A DEVICE AT NODE WTHwy83-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 21)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| 210.00 | 0.00 | 1.00 |
| 150.00 | 150.00 | 1.00 |
| 97.50 | 225.00 | 1.00 |

THERE IS A DEVICE AT NODE WTHYW83-2 DESCRIBED BY THE FOLLOWING DATA: (ID= 22)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 210.00 | 0.00 | 1.00 |
| 150.00 | 150.00 | 1.00 |
| 97.50 | 225.00 | 1.00 |

THERE IS A DEVICE AT NODE WTMidlake- DESCRIBED BY THE' FOLLOWING DATA: (ID= 23)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 200.00 | 1.00 |
| 120.00 | 300.00 | 1.00 |

THERE IS A DEVICE AT NODE WTMidlake- DESCRIBED BY THE' FOLLOWING DATA: (ID= 24)

| FLOWRATE | EFFICIENCY |
|----------|-------------------------|
| (gpm) | (%) |
| | |
| 0.00 | 1.00 |
| 200.00 | 1.00 |
| 300.00 | 1.00 |
| | (gpm)
0.00
200.00 |

END NODE DATA

| node
name | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | JUNCTION
ELEVATION
(ft) | |
|--------------|---------------|-----------------------------|-------------------------------|--|
| 2 | | 1.00 | 190.00 | |
| 4 | | 1.00 | 360.00 | |
| 5 | | 1.00 | 220.00 | |
| 6 | | 1.00 | 190.00 | |
| 7 | | 1.00 | 330.00 | |
| 9 | | 1.00 | 250.00 | |
| 10 | | 1.00 | 330.00 | |
| 12 | | 1.00 | 185.00 | |
| 13 | | 1.00 | 200.00 | |
| 14 | | 1.00 | 300.00 | |
| 15 | | 1.00 | 230.00 | |
| 16 | | 1.00 | 200.00 | |
| 17 | | 1.00 | 215.00 | |
| 19 | | 1.00 | 210.00 | |
| 20 | | 1.00 | 190.00 | |
| 23 | | 1.00 | 230.00 | |
| 25 | | 1.00 | 290.00 | |
| 26 | | 1.00 | 290.00 | |
| 27 | | 1.00 | 280.00 | |
| | | | | |

| 28 | 1.00 | 290.00 |
|-----|------|--------|
| | | |
| 30 | 1.00 | 200.00 |
| 31 | 1.00 | 190.00 |
| | | |
| 32 | 1.00 | 310.00 |
| 33 | 1.00 | 330.00 |
| | | |
| 35 | 1.00 | 200.00 |
| 36 | 1.00 | 290.00 |
| | | |
| 38 | 1.00 | 190.00 |
| | | 220 00 |
| 39 | 1.00 | 230.00 |
| 40 | 1.00 | 190.00 |
| | | |
| 41 | 1.00 | 195.00 |
| 42 | 1.00 | 220.00 |
| | | |
| 43 | 1.00 | 185.00 |
| 46 | 1.00 | 185.00 |
| | | |
| 47 | 1.00 | 190.00 |
| 48 | 1.00 | 480.00 |
| | | |
| 49 | 1.00 | 185.00 |
| 50 | 1.00 | 425.00 |
| | | |
| 51 | 1.00 | 230.00 |
| 54 | 1.00 | 315.00 |
| | | |
| 55 | 1.00 | 350.00 |
| | 1.00 | |
| 56 | | 210.00 |
| 57 | 1.00 | 390.00 |
| | | |
| 58 | 1.00 | 185.00 |
| 60 | 1.00 | 300.00 |
| | | |
| 61 | 1.00 | 220.00 |
| 62 | 1.00 | 410.00 |
| | | |
| 64 | 1.00 | 270.00 |
| 65 | 1.00 | 210.00 |
| | | |
| 66 | 1.00 | 330.00 |
| 67 | 1.00 | 185.00 |
| | | |
| 68 | 1.00 | 240.00 |
| 70 | 1.00 | 390.00 |
| | | |
| 71 | 1.00 | 420.00 |
| | | |
| 72 | 1.00 | 180.00 |
| 73 | 1.00 | 215.00 |
| | | |
| 74 | 1.00 | 400.00 |
| 75 | 1.00 | 220.00 |
| | | |
| 77 | 1.00 | 200.00 |
| 79 | 1.00 | 320.00 |
| | | |
| 80 | 1.00 | 340.00 |
| 81 | 1.00 | 265.00 |
| | | |
| 82 | 1.00 | 215.00 |
| 83 | 1.00 | 200.00 |
| | | |
| 84 | 1.00 | 210.00 |
| | 1.00 | 210.00 |
| 86 | | |
| 88 | 1.00 | 185.00 |
| | 1.00 | 280.00 |
| 89 | | |
| 90 | 1.00 | 210.00 |
| | 1.00 | 190.00 |
| 91 | | |
| 92 | 1.00 | 185.00 |
| | 1.00 | 190.00 |
| 93 | | |
| 94 | 1.00 | 250.00 |
| | 1.00 | 320.00 |
| 96 | | |
| 98 | 1.00 | 260.00 |
| | | 185.00 |
| 100 | 1.00 | |
| 101 | 1.00 | 185.00 |
| | | |
| 102 | 1.00 | 200.00 |
| 106 | 1.00 | 350.00 |
| | | |
| 107 | 1.00 | 350.00 |
| 108 | 1.00 | 240.00 |
| | | |
| 109 | 1.00 | 180.00 |
| 110 | 1.00 | 230.00 |
| | | |
| 111 | 1.00 | 370.00 |
| 112 | 1.00 | 270.00 |
| | | |
| 113 | 1.00 | 220.00 |
| | 1.00 | 210.00 |
| 115 | | |
| 116 | 1.00 | 185.00 |
| | | 185.00 |
| 117 | 1.00 | |
| 120 | 1.00 | 230.00 |
| | | |
| | 1 00 | |
| 121 | 1.00 | 260.00 |

| 123 | 1.00 | 190.00 |
|--|--|--|
| | | |
| 124 | 1.00 | 210.00 |
| 125 | 1.00 | 360.00 |
| 126 | 1.00 | 210.00 |
| 127 | 1.00 | 230.00 |
| | | |
| 130 | 1.00 | 320.00 |
| 131 | 1.00 | 185.00 |
| 132 | 1.00 | 190.00 |
| | | |
| 133 | 1.00 | 430.00 |
| 134 | 1.00 | 180.00 |
| 136 | 1.00 | 310.00 |
| | | |
| 137 | 1.00 | 340.00 |
| 139 | 1.00 | 210.00 |
| 140 | 1.00 | 190.00 |
| | 1.00 | |
| 141 | | 185.00 |
| 142 | 1.00 | 200.00 |
| 143 | 1.00 | 235.00 |
| 144 | 1.00 | 330.00 |
| | | |
| 145 | 1.00 | 230.00 |
| 147 | 1.00 | 230.00 |
| 148 | 1.00 | 230.00 |
| | | |
| 150 | 1.00 | 400.00 |
| 151 | 1.00 | 210.00 |
| 153 | 1.00 | 210.00 |
| 154 | 1.00 | 300.00 |
| | | |
| 155 | 1.00 | 320.00 |
| 156 | 1.00 | 360.00 |
| 157 | 1.00 | 300.00 |
| | | 240.00 |
| 159 | 1.00 | |
| 160 | 1.00 | 210.00 |
| 161 | 1.00 | 220.00 |
| 162 | 1.00 | 310.00 |
| 163 | 1.00 | 210.00 |
| | | |
| 164 | 1.00 | 190.00 |
| 167 | 1.00 | 310.00 |
| 168 | 1.00 | 190.00 |
| 169 | 1.00 | 310.00 |
| | | |
| 171 | 1.00 | 190.00 |
| 172 | 1.00 | 185.00 |
| 173 | 1.00 | 185.00 |
| 174 | 1.00 | 410.00 |
| | | |
| 175 | 1.00 | 185.00 |
| 176 | 1.00 | 210.00 |
| 178 | 1.00 | 230.00 |
| 179 | 1.00 | 250.00 |
| | | |
| 180 | 1.00 | 320.00 |
| 181 | 1.00 | 250.00 |
| 182 | 1.00 | 205.00 |
| 185 | 1.00 | 280.00 |
| | | |
| 186 | 1.00 | 190.00 |
| 187 | 1.00 | 390.00 |
| 188 | 1.00 | 260.00 |
| 189 | 1.00 | 320.00 |
| | | 250.00 |
| 191 | 1.00 | |
| 193 | 1.00 | 185.00 |
| 194 | 1.00 | 460.00 |
| 195 | 1.00 | 270.00 |
| | | |
| 196 | 1.00 | 190.00 |
| 197 | 1.00 | 220.00 |
| 198 | | 210.00 |
| 199 | 1.00 | • |
| | | 200 00 |
| | 1.00 | 200.00 |
| 200 | 1.00 | 180.00 |
| 200
201 | 1.00 | |
| 201 | 1.00
1.00
1.00 | 180.00 |
| 201
202 | 1.00
1.00
1.00
1.00 | 180.00
330.00
270.00 |
| 201
202
203 | 1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00 |
| 201
202 | 1.00
1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00
270.00 |
| 201
202
203 | 1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00 |
| 201
202
203
204
206 | 1.00
1.00
1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00
270.00
300.00 |
| 201
202
203
204
206
208 | 1.00
1.00
1.00
1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00
270.00
300.00
370.00 |
| 201
202
203
204
206
208
209 | 1.00
1.00
1.00
1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00
270.00
300.00
370.00
185.00 |
| 201
202
203
204
206
208
209
210 | 1.00
1.00
1.00
1.00
1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00
270.00
300.00
370.00
185.00
190.00 |
| 201
202
203
204
206
208
209 | 1.00
1.00
1.00
1.00
1.00
1.00
1.00 | 180.00
330.00
270.00
210.00
270.00
300.00
370.00
185.00 |

| 213 | 1.00 | 190.00 |
|-----|------|--------|
| | | |
| 215 | 1.00 | 264.00 |
| 216 | 1.00 | 260.00 |
| 217 | 1.00 | 185.00 |
| | | |
| 218 | 1.00 | 360.00 |
| 219 | 1.00 | 205.00 |
| 220 | 1.00 | 185.00 |
| 221 | 1.00 | 230.00 |
| | | |
| 223 | 1.00 | 350.00 |
| 224 | 1.00 | 275.00 |
| 225 | 1.00 | 310.00 |
| | | 370.00 |
| 226 | 1.00 | |
| 227 | 1.00 | 185.00 |
| 228 | 1.00 | 310.00 |
| 229 | 1.00 | 190.00 |
| | | |
| 230 | 1.00 | 270.00 |
| 231 | 1.00 | 190.00 |
| 232 | 1.00 | 250.00 |
| 233 | 1.00 | 190.00 |
| | | |
| 234 | 1.00 | 250.00 |
| 235 | 1.00 | 240.00 |
| 236 | 1.00 | 210.00 |
| 237 | 1.00 | 360.00 |
| | | |
| 238 | 1.00 | 440.00 |
| 240 | 1.00 | 260.00 |
| 241 | 1.00 | 190.00 |
| | | |
| 248 | 1.00 | 340.00 |
| 249 | 1.00 | 320.00 |
| 250 | 1.00 | 320.00 |
| 251 | 1.00 | 185.00 |
| | | |
| 252 | 1.00 | 320.00 |
| 253 | 1.00 | 210.00 |
| 254 | 1.00 | 180.00 |
| | | |
| 255 | 1.00 | 190.00 |
| 256 | 1.00 | 200.00 |
| 258 | 1.00 | 300.00 |
| 259 | 1.00 | 190.00 |
| | | 310.00 |
| 260 | 1.00 | |
| 262 | 1.00 | 190.00 |
| 263 | 1.00 | 330.00 |
| 264 | 1.00 | 190.00 |
| | | |
| 265 | 1.00 | 220.00 |
| 266 | 1.00 | 185.00 |
| 267 | 1.00 | 260.00 |
| 268 | 1.00 | 210.00 |
| | | |
| 269 | 1.00 | 190.00 |
| 270 | 1.00 | 190.00 |
| 271 | 1.00 | 330.00 |
| 272 | 1.00 | 180.00 |
| | | |
| 276 | 1.00 | 200.00 |
| 279 | 1.00 | 185.00 |
| 280 | 1.00 | 200.00 |
| 281 | 1.00 | 230.00 |
| | | |
| 282 | 1.00 | 185.00 |
| 283 | 1.00 | 185.00 |
| 284 | 1.00 | 200.00 |
| 286 | 1.00 | 220.00 |
| | | |
| 288 | 1.00 | 190.00 |
| 289 | 1.00 | 215.00 |
| 290 | 1.00 | 190.00 |
| | 1.00 | 185.00 |
| 291 | | |
| 292 | 1.00 | 190.00 |
| 293 | 1.00 | 190.00 |
| 294 | 1.00 | 270.00 |
| | | |
| 297 | 1.00 | 200.00 |
| 298 | 1.00 | 220.00 |
| 300 | 1.00 | 205.00 |
| 302 | 1.00 | 320.00 |
| | | |
| 303 | 1.00 | 200.00 |
| 304 | 1.00 | 290.00 |
| 305 | 1.00 | 340.00 |
| | | |

| 306 | 1.00 | 310.00 |
|-----|------|--------|
| | | |
| 307 | 1.00 | 190.00 |
| 308 | 1.00 | 220.00 |
| | | |
| 309 | 1.00 | 240.00 |
| 310 | 1.00 | 240.00 |
| 311 | 1.00 | |
| | | 200.00 |
| 312 | 1.00 | 240.00 |
| 313 | 1.00 | 340.00 |
| | | |
| 315 | 1.00 | 260.00 |
| 320 | 1.00 | 240.00 |
| | | |
| 321 | 1.00 | 250.00 |
| 322 | 1.00 | 195.00 |
| 324 | 1.00 | 200.00 |
| | | |
| 326 | 1.00 | 360.00 |
| 327 | 1.00 | 300.00 |
| | | |
| 328 | 1.00 | 185.00 |
| 329 | 1.00 | 320.00 |
| 330 | 1.00 | 310.00 |
| | | |
| 332 | 1.00 | 220.00 |
| 333 | 1.00 | 270.00 |
| | | |
| 335 | 1.00 | 285.00 |
| 336 | 1.00 | 190.00 |
| 337 | 1.00 | 200.00 |
| | | |
| 338 | 1.00 | 310.00 |
| 339 | 1.00 | 285.00 |
| | | |
| 340 | 1.00 | 290.00 |
| 341 | 1.00 | 310.00 |
| | | |
| 342 | 1.00 | 280.00 |
| 343 | 1.00 | 290.00 |
| 344 | 1.00 | 200.00 |
| | | |
| 345 | 1.00 | 320.00 |
| 347 | 1.00 | 410.00 |
| | 1.00 | |
| 348 | | 340.00 |
| 349 | 1.00 | 280.00 |
| 352 | 1.00 | 190.00 |
| | | |
| 354 | 1.00 | 185.00 |
| 355 | 1.00 | 230.00 |
| | | |
| 356 | 1.00 | 290.00 |
| 357 | 1.00 | 430.00 |
| 358 | 1.00 | 200.00 |
| | | |
| 359 | 1.00 | 300.00 |
| 361 | 1.00 | 290.00 |
| | 1.00 | |
| 363 | | 345.00 |
| 365 | 1.00 | 310.00 |
| 368 | 1.00 | 185.00 |
| | | |
| 369 | 1.00 | 360.00 |
| 370 | 1.00 | 185.00 |
| | | |
| 372 | 1.00 | 230.00 |
| 373 | 1.00 | 190.00 |
| 374 | 1.00 | 340.00 |
| | | |
| 375 | 1.00 | 220.00 |
| 377 | 1.00 | 310.00 |
| 378 | 1.00 | 385.00 |
| | | |
| 379 | 1.00 | 360.00 |
| 380 | 1.00 | 300.00 |
| | | |
| 383 | 1.00 | 190.00 |
| 388 | 1.00 | 300.00 |
| 389 | 1.00 | 185.00 |
| | | |
| 390 | 1.00 | 200.00 |
| 391 | 1.00 | 185.00 |
| | | |
| 394 | 1.00 | 320.00 |
| 396 | 1.00 | 300.00 |
| 397 | 1.00 | |
| | | 340.00 |
| 398 | 1.00 | 325.00 |
| 404 | 1.00 | 530.00 |
| | | |
| 405 | 1.00 | 220.00 |
| 406 | 1.00 | 275.00 |
| | | |
| 407 | 1.00 | 250.00 |
| 408 | 1.00 | 285.00 |
| 409 | 1.00 | 340.00 |
| | | |
| 410 | 1.00 | 230.00 |
| | | |

| 412 | 1.00 | 340.00 |
|-----|------|--------|
| 414 | 1.00 | 440.00 |
| 415 | 1.00 | 185.00 |
| | 1.00 | |
| 416 | | 200.00 |
| 417 | 1.00 | 185.00 |
| 418 | 1.00 | 190.00 |
| 419 | 1.00 | 210.00 |
| 423 | 1.00 | 420.00 |
| 426 | 1.00 | 360.00 |
| 428 | 1.00 | 260.00 |
| 430 | 1.00 | 231.00 |
| 432 | 1.00 | 310.00 |
| 433 | 1.00 | 190.00 |
| 434 | 1.00 | 335.00 |
| 435 | 1.00 | 375.00 |
| 436 | 1.00 | 220.00 |
| | | |
| 438 | 1.00 | 220.00 |
| 439 | 1.00 | 330.00 |
| 441 | 1.00 | 185.00 |
| 443 | 1.00 | 470.00 |
| 444 | 1.00 | 390.00 |
| 447 | 1.00 | 215.00 |
| 450 | 1.00 | 360.00 |
| 452 | 1.00 | 325.00 |
| 454 | 1.00 | 340.00 |
| 455 | 1.00 | 330.00 |
| 457 | 1.00 | 190.00 |
| 460 | 1.00 | 295.00 |
| | | |
| 461 | 1.00 | 295.00 |
| 462 | 1.00 | 290.00 |
| 464 | 1.00 | 190.00 |
| 465 | 1.00 | 360.00 |
| 466 | 1.00 | 330.00 |
| 468 | 1.00 | 460.00 |
| 471 | 1.00 | 185.00 |
| 472 | 1.00 | 445.00 |
| 473 | 1.00 | 390.00 |
| 474 | 1.00 | 400.00 |
| 475 | 1.00 | 250.00 |
| 476 | 1.00 | 270.00 |
| 478 | 1.00 | 180.00 |
| | | |
| 479 | 1.00 | 190.00 |
| 480 | 1.00 | 400.00 |
| 481 | 1.00 | 210.00 |
| 482 | 1.00 | 180.00 |
| 483 | 1.00 | 240.00 |
| 484 | 1.00 | 185.00 |
| 485 | 1.00 | 295.00 |
| 487 | 1.00 | 300.00 |
| 489 | 1.00 | 190.00 |
| 490 | 1.00 | 200.00 |
| 491 | 1.00 | 430.00 |
| 492 | 1.00 | 280.00 |
| | | |
| 493 | 1.00 | 210.00 |
| 494 | 1.00 | 320.00 |
| 495 | 1.00 | 335.00 |
| 497 | 1.00 | 265.00 |
| 498 | 1.00 | 306.00 |
| 499 | 1.00 | 190.00 |
| 501 | 1.00 | 210.00 |
| 502 | 1.00 | 260.00 |
| 503 | 1.00 | 290.00 |
| 505 | 1.00 | 295.00 |
| | 1.00 | 470.00 |
| 506 | | |
| 507 | 1.00 | 185.00 |
| 510 | 1.00 | 190.00 |
| 511 | 1.00 | 200.00 |
| 512 | 1.00 | 185.00 |
| 513 | 1.00 | 200.00 |
| 514 | 1.00 | 285.00 |
| 515 | 1.00 | 220.00 |
| | | |

51

| 515 | | 200 00 |
|-----|------|--------|
| 517 | 1.00 | 300.00 |
| 518 | 1.00 | 300.00 |
| 524 | 1.00 | 185.00 |
| 525 | 1.00 | 185.00 |
| 526 | 1.00 | 200.00 |
| | | |
| 528 | 1.00 | 190.00 |
| 529 | 1.00 | 200.00 |
| 530 | 1.00 | 360.00 |
| 532 | 1.00 | 290.00 |
| | | |
| 533 | 1.00 | 210.00 |
| 534 | 1.00 | 190.00 |
| 536 | 1.00 | 345.00 |
| 537 | 1.00 | 310.00 |
| 540 | 1.00 | 185.00 |
| | | |
| 541 | 1.00 | 190.00 |
| 543 | 1.00 | 340.00 |
| 545 | 1.00 | 190.00 |
| 546 | 1.00 | 370.00 |
| 547 | 1.00 | 210.00 |
| | | |
| 548 | 1.00 | 220.00 |
| 549 | 1.00 | 380.00 |
| 550 | 1.00 | 190.00 |
| 551 | 1.00 | 185.00 |
| | 1.00 | |
| 552 | | 410.00 |
| 554 | 1.00 | 325.00 |
| 558 | 1.00 | 340.00 |
| 559 | 1.00 | 220.00 |
| 560 | 1.00 | 200.00 |
| | | |
| 562 | 1.00 | 185.00 |
| 565 | 1.00 | 250.00 |
| 569 | 1.00 | 360.00 |
| 570 | 1.00 | 205.00 |
| 572 | 1.00 | 330.00 |
| | | |
| 573 | 1.00 | 345.00 |
| 575 | 1.00 | 345.00 |
| 577 | 1.00 | 190.00 |
| 579 | 1.00 | 390.00 |
| | 1.00 | 250.00 |
| 580 | | |
| 581 | 1.00 | 310.00 |
| 582 | 1.00 | 350.00 |
| 583 | 1.00 | 370.00 |
| 584 | 1.00 | 220.00 |
| | 1.00 | 210.00 |
| 585 | | |
| 586 | 1.00 | 290.00 |
| 588 | 1.00 | 340.00 |
| 589 | 1.00 | 185.00 |
| 590 | 1.00 | 185.00 |
| | | |
| 591 | 1.00 | 240.00 |
| 592 | 1.00 | 190.00 |
| 595 | 1.00 | 390.00 |
| 596 | 1.00 | 200.00 |
| 598 | 1.00 | 280.00 |
| | | |
| 599 | 1.00 | 190.00 |
| 600 | 1.00 | 185.00 |
| 601 | 1.00 | 220.00 |
| 602 | 1.00 | 210.00 |
| 605 | 1.00 | 190.00 |
| | | |
| 606 | 1.00 | 190.00 |
| 607 | 1.00 | 190.00 |
| 610 | 1.00 | 250.00 |
| 611 | 1.00 | 430.00 |
| | | |
| 612 | 1.00 | 360.00 |
| 614 | 1.00 | 210.00 |
| 615 | 1.00 | 180.00 |
| 616 | 1.00 | 280.00 |
| | | |
| 618 | 1.00 | 250.00 |
| 619 | 1.00 | 240.00 |
| 620 | 1.00 | 300.00 |
| 621 | 1.00 | 220.00 |
| 624 | 1.00 | 185.00 |
| | | |
| 625 | 1.00 | 200.00 |
| | | |

| 627 | 1.00 | 190.00 |
|------------|------|--------|
| 629 | 1.00 | 420.00 |
| | | |
| 630 | 1.00 | 420.00 |
| 631 | 1.00 | 420.00 |
| 634 | 1.00 | 185.00 |
| 639 | 1.00 | 215.00 |
| | | |
| 640 | 1.00 | 185.00 |
| 641 | 1.00 | 390.00 |
| 642 | 1.00 | 185.00 |
| | | |
| 644 | 1.00 | 280.00 |
| 645 | 1.00 | 200.00 |
| 646 | 1.00 | 370.00 |
| | | |
| 647 | 1.00 | 220.00 |
| 648 | 1.00 | 320.00 |
| 649 | 1.00 | 185.00 |
| | 1.00 | 230.00 |
| 650 | | |
| 651 | 1.00 | 280.00 |
| 653 | 1.00 | 205.00 |
| 654 | 1.00 | 290.00 |
| | | |
| 655 | 1.00 | 235.00 |
| 656 | 1.00 | 280.00 |
| 657 | 1.00 | 210.00 |
| | | |
| 658 | 1.00 | 200.00 |
| 659 | 1.00 | 190.00 |
| 660 | 1.00 | 290.00 |
| 661 | 1.00 | 230.00 |
| | | |
| 662 | 1.00 | 245.00 |
| 663 | 1.00 | 230.00 |
| 664 | 1.00 | 360.00 |
| | | |
| 668 | 1.00 | 290.00 |
| 669 | 1.00 | 350.00 |
| 670 | 1.00 | 320.00 |
| | 1.00 | 185.00 |
| 671 | | |
| 672 | 1.00 | 300.00 |
| 673 | 1.00 | 340.00 |
| 676 | 1.00 | 360.00 |
| | 1.00 | 320.00 |
| 677 | | |
| 678 | 1.00 | 290.00 |
| 679 | 1.00 | 340.00 |
| 680 | 1.00 | 350.00 |
| | 1.00 | 400.00 |
| 682 | | |
| 683 | 1.00 | 215.00 |
| 684 | 1.00 | 390.00 |
| 688 | 1.00 | 240.00 |
| 691 | 1.00 | 345.00 |
| | | |
| 693 | 1.00 | 215.00 |
| 694 | 1.00 | 360.00 |
| 696 | 1.00 | 320.00 |
| | | |
| 697 | 1.00 | 260.00 |
| 699 | 1.00 | 190.00 |
| 700 | 1.00 | 240.00 |
| 701 | 1.00 | 200.00 |
| | | |
| 703 | 1.00 | 310.00 |
| 705 | 1.00 | 185.00 |
| 706 | 1.00 | 185.00 |
| | | |
| 708 | 1.00 | 210.00 |
| 710 | 1.00 | 320.00 |
| 711 | 1.00 | 225.00 |
| 712 | 1.00 | 388.00 |
| | | |
| 714 | 1.00 | 280.00 |
| 715 | 1.00 | 500.00 |
| 716 | 1.00 | 240.00 |
| 717 | 1.00 | 340.00 |
| | | |
| 718 | 1.00 | 230.00 |
| 720 | 1.00 | 210.00 |
| 723 | 1.00 | 330.00 |
| | | 370.00 |
| 724 | 1.00 | |
| 725 | 1.00 | 185.00 |
| 727 | | 210 00 |
| | 1.00 | 210.00 |
| 728 | | |
| 728 | 1.00 | 290.00 |
| 728
729 | | |

| 730 | 1.00 | 190.00 |
|------------|----------------------|----------------------------|
| | | |
| 731 | 1.00 | 220.00 |
| 732 | 1.00 | 310.00 |
| | 1.00 | |
| 733 | | 205.00 |
| 736 | 1.00 | 185.00 |
| 738 | 1.00 | 190.00 |
| | | |
| 739 | 1.00 | 220.00 |
| 740 | 1.00 | 310.00 |
| 741 | 1.00 | 470.00 |
| | | |
| 742 | 1.00 | 250.00 |
| 745 | 1.00 | 360.00 |
| | | |
| 746 | 1.00 | 210.00 |
| 747 | 1.00 | 270.00 |
| | | |
| 748 | 1.00 | 310.00 |
| 749 | 1.00 | 240.00 |
| 750 | 1.00 | 360.00 |
| | | |
| 751 | 1.00 | 300.00 |
| 752 | 1.00 | 380.00 |
| | | |
| 753 | 1.00 | 320.00 |
| 754 | 1.00 | 345.00 |
| 755 | 1.00 | 225.00 |
| | | |
| 757 | 1.00 | 195.00 |
| 758 | 1.00 | 185.00 |
| | | |
| 759 | 1.00 | 200.00 |
| 760 | 1.00 | 320.00 |
| 761 | 1.00 | 330.00 |
| | | |
| 763 | 1.00 | 300.00 |
| 766 | 1.00 | 300.00 |
| | | |
| 767 | 1.00 | 302.00 |
| 770 | 1.00 | 280.00 |
| 771 | 1.00 | |
| | | 240.00 |
| 772 | 1.00 | 290.00 |
| 773 | 1.00 | 260.00 |
| | | |
| 777 | 1.00 | 230.00 |
| 778 | 1.00 | 200.00 |
| 779 | 1.00 | 210.00 |
| | | |
| 781 | 1.00 | 380.00 |
| 782 | 1.00 | 360.00 |
| | | |
| 783 | 1.00 | 200.00 |
| 784 | 1.00 | 195.00 |
| | 1.00 | 190.00 |
| 788 | | |
| 789 | 1.00 | 190.00 |
| 790 | 1.00 | 270.00 |
| | | |
| 791 | 1.00 | 200.00 |
| 792 | 1.00 | 380.00 |
| | | |
| 793 | 1.00 | 185.00 |
| 794 | 1.00 | 185.00 |
| 795 | 1.00 | 480.00 |
| | | |
| 796 | 1.00 | 360.00 |
| 800 | 1.00 | 300.00 |
| | 1.00 | 340.00 |
| 801 | | |
| 802 | 1.00 | 210.00 |
| 804 | 1.00 | 215.00 |
| 806 | 1.00 | |
| | | 195.00 |
| 807 | 1.00 | 330.00 |
| 808 | 1.00 | 320.00 |
| | | |
| 811 | 1.00 | 350.00 |
| 813 | 1.00 | 190.00 |
| | 1.00 | |
| 814 | | 210.00 |
| 817 | 1.00 | 195.00 |
| 820 | 1.00 | 235.00 |
| | | |
| 821 | 1.00 | 195.00 |
| 823 | 1.00 | 250.00 |
| | | |
| 824 | 1.00 | 260.00 |
| 825 | 1.00 | 330.00 |
| 826 | 1.00 | 205.00 |
| | | |
| 827 | 1.00 | 185.00 |
| 830 | 1.00 | 320.00 |
| | | 220.00 |
| 831 | 1 ^ ^ | 000 |
| 031 | 1.00 | 330.00 |
| | | |
| 832
833 | 1.00
1.00
1.00 | 330.00
370.00
260.00 |

| 834 | 1.00 | 210.00 |
|-----|------|--------|
| 838 | 1.00 | 370.00 |
| | 1.00 | 220.00 |
| 840 | | |
| 841 | 1.00 | 300.00 |
| 842 | 1.00 | 280.00 |
| 843 | 1.00 | 240.00 |
| 844 | 1.00 | 230.00 |
| 845 | 1.00 | 240.00 |
| 846 | 1.00 | 185.00 |
| | 1.00 | |
| 847 | | 340.00 |
| 848 | 1.00 | 320.00 |
| 849 | 1.00 | 430.00 |
| 852 | 1.00 | 200.00 |
| 853 | 1.00 | 290.00 |
| 854 | 1.00 | 210.00 |
| 857 | 1.00 | 350.00 |
| 858 | 1.00 | 210.00 |
| | | |
| 859 | 1.00 | 200.00 |
| 860 | 1.00 | 185.00 |
| 861 | 1.00 | 282.00 |
| 862 | 1.00 | 185.00 |
| 863 | 1.00 | 185.00 |
| 864 | 1.00 | 220.00 |
| 865 | 1.00 | 300.00 |
| | | |
| 866 | 1.00 | 300.00 |
| 869 | 1.00 | 190.00 |
| 870 | 1.00 | 430.00 |
| 872 | 1.00 | 390.00 |
| 873 | 1.00 | 360.00 |
| 874 | 1.00 | 185.00 |
| 875 | 1.00 | 250.00 |
| 879 | 1.00 | 210.00 |
| | | |
| 880 | 1.00 | 370.00 |
| 881 | 1.00 | 420.00 |
| 883 | 1.00 | 200.00 |
| 885 | 1.00 | 360.00 |
| 887 | 1.00 | 215.00 |
| 888 | 1.00 | 200.00 |
| 889 | 1.00 | 185.00 |
| 890 | 1.00 | 260.00 |
| | | |
| 893 | 1.00 | 210.00 |
| 896 | 1.00 | 240.00 |
| 897 | 1.00 | 200.00 |
| 898 | 1.00 | 260.00 |
| 900 | 1.00 | 210.00 |
| 902 | 1.00 | 365.00 |
| 903 | 1.00 | 322.00 |
| 904 | 1.00 | 390.00 |
| | | |
| 905 | 1.00 | 340.00 |
| 907 | 1.00 | 270.00 |
| 908 | 1.00 | 380.00 |
| 910 | 1.00 | 230.00 |
| 911 | 1.00 | 190.00 |
| 912 | 1.00 | 250.00 |
| 913 | 1.00 | 185.00 |
| | 1.00 | 320.00 |
| 914 | | |
| 917 | 1.00 | 540.00 |
| 918 | 1.00 | 190.00 |
| 921 | 1.00 | 240.00 |
| 923 | 1.00 | 180.00 |
| 924 | 1.00 | 350.00 |
| 925 | 1.00 | 340.00 |
| | 1.00 | 360.00 |
| 926 | | |
| 927 | 1.00 | 370.00 |
| 928 | 1.00 | 360.00 |
| 929 | 1.00 | 190.00 |
| 930 | 1.00 | 340.00 |
| 932 | 1.00 | 230.00 |
| 933 | 1.00 | 270.00 |
| 934 | 1.00 | 190.00 |
| | | |
| 935 | 1.00 | 370.00 |

| 026 | 1 00 | 105 00 |
|---------------|------|--------|
| 936 | 1.00 | 185.00 |
| 938 | 1.00 | 415.00 |
| 939 | 1.00 | 220.00 |
| | 1.00 | 300.00 |
| 941 | | |
| 944 | 1.00 | 200.00 |
| 946 | 1.00 | 220.00 |
| | 1.00 | |
| 947 | | 185.00 |
| 948 | 1.00 | 250.00 |
| 949 | 1.00 | 250.00 |
| | | |
| 950 | 1.00 | 250.00 |
| 951 | 1.00 | 185.00 |
| 952 | 1.00 | 330.00 |
| | 1.00 | 390.00 |
| 956 | | |
| 957 | 1.00 | 185.00 |
| 960 | 1.00 | 210.00 |
| | 1.00 | 190.00 |
| 962 | | |
| 964 | 1.00 | 210.00 |
| 965 | 1.00 | 340.00 |
| 966 | 1.00 | 350.00 |
| | | |
| 967 | 1.00 | 190.00 |
| 969 | 1.00 | 195.00 |
| 971 | 1.00 | 370.00 |
| | 1.00 | |
| 972 | | 190.00 |
| 973 | 1.00 | 190.00 |
| 975 | 1.00 | 390.00 |
| 976 | 1.00 | 390.00 |
| | | |
| 977 | 1.00 | 510.00 |
| 978 | 1.00 | 220.00 |
| 979 | 1.00 | 420.00 |
| | | |
| 980 | 1.00 | 200.00 |
| 982 | 1.00 | 240.00 |
| 984 | 1.00 | 300.00 |
| | | |
| 990 | 1.00 | 240.00 |
| 991 | 1.00 | 210.00 |
| 992 | 1.00 | 270.00 |
| | | |
| 993 | 1.00 | 185.00 |
| 994 | 1.00 | 190.00 |
| 995 | 1.00 | 185.00 |
| | | |
| 996 | 1.00 | 330.00 |
| 997 | 1.00 | 190.00 |
| 999 | 1.00 | 185.00 |
| | 1.00 | 230.00 |
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| 1378 | 1.00 | 320.00 |
| | 1.00 | 290.00 |
| 1379 | | |
| 1380 | 1.00 | 270.00 |
| 1382 | 1.00 | 300.00 |
| 1383 | 1.00 | 290.00 |
| 1384 | 1.00 | 260.00 |
| 1386 | 1.00 | 280.00 |
| 1387 | 1.00 | 270.00 |
| 1388 | 1.00 | 270.00 |
| | | |
| 1390 | 1.00 | 390.00 |
| 1391 | 1.00 | 270.00 |
| 1392 | 1.00 | 185.00 |
| 1393 | 1.00 | 290.00 |
| 1394 | 1.00 | 195.00 |
| 1397 | 1.00 | 320.00 |
| 1399 | 1.00 | 195.00 |
| | 1.00 | 230.00 |
| 1402 | | |
| 1403 | 1.00 | 380.00 |
| 1404 | 1.00 | 185.00 |
| 1406 | 1.00 | 480.00 |
| 1408 | 1.00 | 300.00 |
| 1409 | 1.00 | 400.00 |
| 1410 | 1.00 | 370.00 |
| 1411 | 1.00 | 310.00 |
| | 1.00 | |
| 1413 | | 360.00 |
| 1414 | 1.00 | 310.00 |
| 1415 | 1.00 | 185.00 |
| 1416 | 1.00 | 380.00 |
| 1417 | 1.00 | 185.00 |
| 1418 | 1.00 | 320.00 |
| 1419 | 1.00 | 290.00 |
| 1420 | 1.00 | 215.00 |
| 1422 | 1.00 | 410.00 |
| 1423 | 1.00 | 270.00 |
| | | |
| 1424 | 1.00 | 190.00 |
| 1427 | 1.00 | 300.00 |
| 1428 | 1.00 | 220.00 |
| 1430 | 1.00 | 200.00 |
| 1431 | 1.00 | 360.00 |
| 1432 | 1.00 | 185.00 |
| 1433 | 1.00 | 185.00 |
| | 1.00 | 460.00 |
| 1434 | | |
| 1435 | 1.00 | 350.00 |
| 1436 | 1.00 | 325.00 |
| 1437 | 1.00 | 190.00 |
| 1438 | 1.00 | 190.00 |
| 1439 | 1.00 | 400.00 |
| 1441 | 1.00 | 195.00 |
| | 1.00 | 247.00 |
| 1443 | | |
| 1444 | 1.00 | 315.00 |
| 1446 | 1.00 | 248.00 |
| 1448 | 1.00 | 210.00 |
| 1449 | 1.00 | 200.00 |
| 1452 | 1.00 | 220.00 |
| 1453 | 1.00 | 220.00 |
| | 1.00 | 320.00 |
| 1454 | 1.00 | 340.00 |

| 1458 | 1.00 | 200.00 |
|------|------|--------|
| | | |
| 1459 | 1.00 | 320.00 |
| 1460 | 1.00 | 300.00 |
| 1461 | 1.00 | 330.00 |
| | | |
| 1464 | 1.00 | 370.00 |
| 1465 | 1.00 | 290.00 |
| 1467 | 1.00 | 290.00 |
| | | |
| 1468 | 1.00 | 200.00 |
| 1472 | 1.00 | 340.00 |
| 1473 | 1.00 | 210.00 |
| | | |
| 1474 | 1.00 | 190.00 |
| 1475 | 1.00 | 200.00 |
| 1476 | 1.00 | 200.00 |
| | | |
| 1477 | 1.00 | 250.00 |
| 1478 | 1.00 | 250.00 |
| 1479 | 1.00 | 185.00 |
| | | |
| 1480 | 1.00 | 280.00 |
| 1481 | 1.00 | 200.00 |
| 1482 | 1.00 | 202.00 |
| | | |
| 1483 | 1.00 | 230.00 |
| 1484 | 1.00 | 280.00 |
| 1486 | 1.00 | 190.00 |
| | | |
| 1487 | 1.00 | 210.00 |
| 1488 | 1.00 | 260.00 |
| 1490 | 1.00 | 280.00 |
| | | |
| 1491 | 1.00 | 250.00 |
| 1492 | 1.00 | 300.00 |
| 1494 | 1.00 | 320.00 |
| | | |
| 1495 | 1.00 | 190.00 |
| 1496 | 1.00 | 190.00 |
| 1497 | 1.00 | 185.00 |
| | | |
| 1499 | 1.00 | 185.00 |
| 1501 | 1.00 | 280.00 |
| 1502 | 1.00 | 190.00 |
| | | |
| 1503 | 1.00 | 185.00 |
| 1504 | 1.00 | 290.00 |
| 1505 | 1.00 | 190.00 |
| | | |
| 1506 | 1.00 | 270.00 |
| 1507 | 1.00 | 360.00 |
| 1508 | 1.00 | 210.00 |
| | | |
| 1509 | 1.00 | 340.00 |
| 1510 | 1.00 | 340.00 |
| 1511 | 1.00 | 310.00 |
| | | |
| 1513 | 1.00 | 240.00 |
| 1514 | 1.00 | 200.00 |
| 1516 | 1.00 | 270.00 |
| | | |
| 1517 | 1.00 | 260.00 |
| 1518 | 1.00 | 300.00 |
| 1519 | 1.00 | 300.00 |
| | | |
| 1520 | 1.00 | 250.00 |
| 1521 | 1.00 | 355.00 |
| 1522 | 1.00 | 220.00 |
| 1524 | 1.00 | 220.00 |
| | | |
| 1525 | 1.00 | 370.00 |
| 1527 | 1.00 | 190.00 |
| 1529 | 1.00 | 330.00 |
| | | |
| 1532 | 1.00 | 210.00 |
| 1533 | 1.00 | 270.00 |
| 1534 | 1.00 | 370.00 |
| | | |
| 1535 | 1.00 | 190.00 |
| 1537 | 1.00 | 185.00 |
| 1539 | 1.00 | 220.00 |
| | | |
| 1540 | 1.00 | 200.00 |
| 1541 | 1.00 | 225.00 |
| 1542 | 1.00 | 185.00 |
| | | |
| 1543 | 1.00 | 190.00 |
| 1544 | 1.00 | 305.00 |
| 1545 | 1.00 | 330.00 |
| | | |
| 1546 | 1.00 | 230.00 |
| 1547 | 1.00 | 340.00 |
| 1548 | 1.00 | 231.00 |
| | | |

| 1549 | 1.00 | 310.00 |
|------------------|------|--------|
| | | |
| 1550 | 1.00 | 285.00 |
| 1551 | 1.00 | 240.00 |
| 1552 | 1.00 | 290.00 |
| | | |
| 1553 | 1.00 | 340.00 |
| 1554 | 1.00 | 195.00 |
| 1555 | 1.00 | 330.00 |
| | | |
| 1556 | 1.00 | 225.00 |
| 1557 | 1.00 | 310.00 |
| 1560 | 1.00 | 225.00 |
| | | |
| 1561 | 1.00 | 300.00 |
| 1562 | 1.00 | 400.00 |
| 1564 | 1.00 | 320.00 |
| | | |
| 1565 | 1.00 | 290.00 |
| 1566 | 1.00 | 290.00 |
| 1568 | 1.00 | 220.00 |
| | | |
| 1569 | 1.00 | 190.00 |
| 1570 | 1.00 | 185.00 |
| 1571 | 1.00 | 340.00 |
| | | |
| 1572 | 1.00 | 240.00 |
| 1574 | 1.00 | 210.00 |
| 1576 | 1.00 | 360.00 |
| | | |
| 1577 | 1.00 | 280.00 |
| 1578 | 1.00 | 380.00 |
| 1579 | 1.00 | 370.00 |
| | | |
| 1580 | 1.00 | 330.00 |
| 1581 | 1.00 | 210.00 |
| 1582 | 1.00 | 340.00 |
| | 1.00 | |
| 1583 | | 190.00 |
| 1584 | 1.00 | 210.00 |
| 1585 | 1.00 | 260.00 |
| 1586 | 1.00 | 185.00 |
| | | |
| 1588 | 1.00 | 270.00 |
| 1589 | 1.00 | 220.00 |
| 1590 | 1.00 | 190.00 |
| | | |
| 1591 | 1.00 | 190.00 |
| 1592 | 1.00 | 240.00 |
| 1593 | 1.00 | 250.00 |
| | | |
| 1594 | 1.00 | 231.00 |
| 1595 | 1.00 | 320.00 |
| 1596 | 1.00 | 100.00 |
| | | |
| 1597 | 1.00 | 300.00 |
| 1599 | 1.00 | 340.00 |
| 1600 | 1.00 | 200.00 |
| 1601 | 1.00 | 185.00 |
| | | |
| 1603 | 1.00 | 185.00 |
| 1604 | 1.00 | 220.00 |
| 1605 | 1.00 | 310.00 |
| | | |
| 1607 | 1.00 | 330.00 |
| 1608 | 1.00 | 280.00 |
| 1610 | 1.00 | 210.00 |
| 1611 | 1.00 | 185.00 |
| | | |
| 1613 | 1.00 | 320.00 |
| 1616 | 1.00 | 200.00 |
| 1617 | 1.00 | 190.00 |
| | | |
| 1619 | 1.00 | 190.00 |
| 1621 | 1.00 | 355.00 |
| 1622 | 1.00 | 300.00 |
| | | |
| 1623 | 1.00 | 280.00 |
| 1624 | 1.00 | 280.00 |
| 1625 | 1.00 | 200.00 |
| | | |
| 1626 | 1.00 | 190.00 |
| 1630 | 1.00 | 200.00 |
| 1633 | 1.00 | 270.00 |
| | 1.00 | 385.00 |
| 1635 | | |
| 1636 | 1.00 | 310.00 |
| 1637 | 1.00 | 190.00 |
| 1638 | 1.00 | 200.00 |
| | | |
| 1639 | 1.00 | 200.00 |
| 1640 | 1.00 | 300.00 |
| 1641 | 1.00 | 300.00 |
| - · - | | , |

| 1642 | 1.00 | 250.00 |
|--------------|--------------|------------------|
| 1644 | 1.00 | 260.00 |
| 1645 | 1.00 | 340.00 |
| 1646 | 1.00 | 530.00 |
| | | |
| 1647 | 1.00 | 340.00 |
| 1648 | 1.00 | 230.00 |
| 1650 | 1.00 | 310.00 |
| 1651 | 1.00 | 250.00 |
| 1652 | 1.00 | 260.00 |
| | | |
| 1653 | 1.00 | 195.00 |
| 1654 | 1.00 | 260.00 |
| 1655 | 1.00 | 200.00 |
| 1656 | 1.00 | 270.00 |
| 1657 | 1.00 | 300.00 |
| | | |
| 1658 | 1.00 | 300.00 |
| 1659 | 1.00 | 220.00 |
| 1660 | 1.00 | 280.00 |
| 1661 | 1.00 | 300.00 |
| 1662 | 1.00 | 270.00 |
| | | |
| 1664 | 1.00 | 230.00 |
| 1665 | 1.00 | 195.00 |
| 1668 | 1.00 | 190.00 |
| 1669 | 1.00 | 200.00 |
| 1670 | 1.00 | 310.00 |
| 1671 | 1.00 | 210.00 |
| | | |
| 1672 | 1.00 | 240.00 |
| 1674 | 1.00 | 230.00 |
| 1675 | 1.00 | 300.00 |
| 1677 | 1.00 | 330.00 |
| 1678 | 1.00 | 270.00 |
| | 1.00 | 230.00 |
| 1679 | | |
| 1680 | 1.00 | 220.00 |
| 1681 | 1.00 | 270.00 |
| 1683 | 1.00 | 260.00 |
| 1684 | 1.00 | 250.00 |
| 1685 | 1.00 | 250.00 |
| | 1.00 | |
| 1686 | | 185.00 |
| 1687 | 1.00 | 245.00 |
| 1688 | 1.00 | 330.00 |
| 1689 | 1.00 | 270.00 |
| 1690 | 1.00 | 200.00 |
| 1691 | 1.00 | 220.00 |
| | 1.00 | |
| 1692 | | 240.00 |
| 1693 | 1.00 | 340.00 |
| 1694 | 1.00 | 330.00 |
| 1695 | 1.00 | 180.00 |
| 1696 | 1.00 | 190.00 |
| 1697 | 1.00 | 330.00 |
| | | |
| 1698 | 1.00 | 330.00 |
| 1699 | 1.00 | 310.00 |
| 1700 | 1.00 | 300.00 |
| 1703 | 1.00 | 330.00 |
| 1704 | 1.00 | 260.00 |
| 1705 | 1.00 | 250.00 |
| | | |
| 1706 | 1.00 | 190.00 |
| 1707 | 1.00 | 210.00 |
| 1708 | 1.00 | 330.00 |
| 1710 | 1.00 | 210.00 |
| 1713 | 1.00 | 360.00 |
| 1714 | 1.00 | 330.00 |
| | | |
| 1716 | 1.00 | 280.00 |
| 1717 | 1.00 | 350.00 |
| 1718 | 1.00 | 310.00 |
| 1719 | 1.00 | 300.00 |
| 1720 | 1.00 | 220.00 |
| | | |
| 1721 | 1.00 | 230.00 |
| 1722 | | |
| | 1.00 | 200.00 |
| 1724 | 1.00 | 185.00 |
| 1724
1725 | | |
| 1725 | 1.00 | 185.00 |
| | 1.00
1.00 | 185.00
250.00 |

| 1728 | 1.00 | 220.00 |
|--|--|--|
| | | |
| 1729 | 1.00 | 180.00 |
| 1732 | 1.00 | 290.00 |
| 1733 | 1.00 | 210.00 |
| | | |
| 1734 | 1.00 | 315.00 |
| 1735 | 1.00 | 240.00 |
| | | |
| 1736 | 1.00 | 185.00 |
| 1737 | 1.00 | 200.00 |
| | 1.00 | 300.00 |
| 1738 | | |
| 1740 | 1.00 | 190.00 |
| 1741 | 1.00 | 205.00 |
| | | |
| 1742 | 1.00 | 190.00 |
| 1744 | 1.00 | 220.00 |
| 1745 | 1.00 | 265.00 |
| | | |
| 1746 | 1.00 | 270.00 |
| 1747 | 1.00 | 210.00 |
| | | |
| 1748 | 1.00 | 200.00 |
| 1749 | 1.00 | 210.00 |
| 1750 | 1.00 | 200.00 |
| | | |
| 1751 | 1.00 | 220.00 |
| 1752 | 1.00 | 220.00 |
| | 1.00 | |
| 1753 | | 180.00 |
| 1755 | 1.00 | 205.00 |
| 1756 | 1.00 | 330.00 |
| | | |
| 1758 | 1.00 | 180.00 |
| 1759 | 1.00 | 180.00 |
| | | |
| 1760 | 1.00 | 190.00 |
| 1761 | 1.00 | 180.00 |
| 1762 | 1.00 | 190.00 |
| | | |
| 1763 | 1.00 | 190.00 |
| 1764 | 1.00 | 310.00 |
| 1765 | 1.00 | 260.00 |
| | | |
| 1766 | 1.00 | 280.00 |
| 1767 | 1.00 | 290.00 |
| | | |
| 1768 | 1.00 | 315.00 |
| 1769 | 1.00 | 280.00 |
| 1770 | 1.00 | 300.00 |
| | | |
| 1771 | 1.00 | 240.00 |
| 1772 | 1.00 | 280.00 |
| | | |
| 1773 | 1.00 | 185.00 |
| 1774 | 1.00 | 200.00 |
| 1775 | 1.00 | 200.00 |
| | | |
| 1777 | 1.00 | 250.00 |
| 1778 | 1.00 | 270.00 |
| | 1.00 | 200.00 |
| 1779 | | |
| 1780 | 1.00 | 180.00 |
| 1781 | 1.00 | 240.00 |
| | | |
| 1782 | 1.00 | 310.00 |
| 1783 | 1.00 | 310.00 |
| 1785 | 1.00 | 315.00 |
| | | |
| 1786 | 1.00 | 300.00 |
| 1787 | 1.00 | 315.00 |
| 1788 | 1.00 | 220.00 |
| | | |
| 1789 | 1.00 | 280.00 |
| 1790 | 1.00 | 185.00 |
| | 1.00 | 295.00 |
| 1791 | | |
| 1792 | 1.00 | 240.00 |
| 1793 | 1.00 | 310.00 |
| | | 220.00 |
| 1794 | | 440 00 |
| 1795 | 1.00 | 440.00 |
| 1,70 | | 440.00
310.00 |
| | 1.00
1.00 | 310.00 |
| 1796 | 1.00
1.00
1.00 | 310.00
315.00 |
| | 1.00
1.00
1.00
1.00 | 310.00 |
| 1796
1797 | 1.00
1.00
1.00
1.00 | 310.00
315.00
310.00 |
| 1796
1797
1798 | 1.00
1.00
1.00
1.00 | 310.00
315.00
310.00
260.00 |
| 1796
1797 | 1.00
1.00
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1.00
1.00 | 310.00
315.00
310.00
260.00
280.00 |
| 1796
1797
1798 | 1.00
1.00
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1.00 | 310.00
315.00
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| 1796
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1800 | 1.00
1.00
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1.00 | 310.00
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| 1796
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| 1796
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1802 | 1.00
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| 1796
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| 1796
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1802 | 1.00
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1.00
1.00
1.00 | 310.00
315.00
310.00
260.00
280.00
185.00
295.00
240.00
250.00 |

| 1807 | 1.00 | 310.00 |
|------|------|--------|
| | | |
| 1808 | 1.00 | 300.00 |
| 1809 | 1.00 | 460.00 |
| 1810 | 1.00 | 315.00 |
| 1811 | 1.00 | 360.00 |
| 1812 | 1.00 | 310.00 |
| | 1.00 | 340.00 |
| 1815 | | |
| 1816 | 1.00 | 300.00 |
| 1818 | 1.00 | 270.00 |
| 1819 | 1.00 | 290.00 |
| 1822 | 1.00 | 190.00 |
| | | |
| 1824 | 1.00 | 190.00 |
| 1825 | 1.00 | 220.00 |
| 1826 | 1.00 | 195.00 |
| 1827 | 1.00 | 270.00 |
| 1828 | 1.00 | 185.00 |
| | | |
| 1829 | 1.00 | 340.00 |
| 1831 | 1.00 | 340.00 |
| 1833 | 1.00 | 270.00 |
| 1834 | 1.00 | 250.00 |
| 1835 | 1.00 | 360.00 |
| | | |
| 1836 | 1.00 | 370.00 |
| 1837 | 1.00 | 300.00 |
| 1838 | 1.00 | 270.00 |
| 1839 | 1.00 | 250.00 |
| 1840 | 1.00 | 250.00 |
| | 1.00 | 290.00 |
| 1841 | | |
| 1851 | 1.00 | 210.00 |
| 1858 | 1.00 | 280.00 |
| 1870 | 1.00 | 190.00 |
| 1876 | 1.00 | 185.00 |
| | 1.00 | 280.00 |
| 1883 | | |
| 1884 | 1.00 | 360.00 |
| 1885 | 1.00 | 560.00 |
| 1887 | 1.00 | 420.00 |
| 1888 | 1.00 | 330.00 |
| 1889 | 1.00 | 230.00 |
| | 1.00 | |
| 1892 | | 200.00 |
| 1893 | 1.00 | 220.00 |
| 1894 | 1.00 | 225.00 |
| 1895 | 1.00 | 290.00 |
| 1896 | 1.00 | 290.00 |
| 1897 | 1.00 | 270.00 |
| | | |
| 1898 | 1.00 | 185.00 |
| 1899 | 1.00 | 292.00 |
| 1900 | 1.00 | 420.00 |
| 1901 | 1.00 | 340.00 |
| 1903 | 1.00 | 260.00 |
| | 1.00 | 340.00 |
| 1904 | | |
| 1905 | 1.00 | 360.00 |
| 1906 | 1.00 | 260.00 |
| 1907 | 1.00 | 200.00 |
| 1908 | 1.00 | 300.00 |
| | 1.00 | 340.00 |
| 1909 | | |
| 1910 | 1.00 | 290.00 |
| 1911 | 1.00 | 300.00 |
| 1912 | 1.00 | 390.00 |
| 1913 | 1.00 | 320.00 |
| 1914 | 1.00 | 270.00 |
| | | |
| 1915 | 1.00 | 190.00 |
| 1916 | 1.00 | 260.00 |
| 1917 | 1.00 | 210.00 |
| 1918 | 1.00 | 190.00 |
| 1919 | 1.00 | 294.00 |
| | | |
| 1920 | 1.00 | 195.00 |
| 1921 | 1.00 | 220.00 |
| 1922 | 1.00 | 340.00 |
| 1925 | 1.00 | 190.00 |
| 1926 | 1.00 | 200.00 |
| | 1.00 | 200.00 |
| 1927 | | |
| 1928 | 1.00 | 200.00 |

| 1930 | 1.00 | 315.00 |
|------|------|--------|
| | | |
| 1931 | 1.00 | 220.00 |
| 1932 | 1.00 | 370.00 |
| 1933 | 1.00 | 210.00 |
| | | |
| 1934 | 1.00 | 310.00 |
| 1935 | 1.00 | 310.00 |
| 1937 | 1.00 | 340.00 |
| | | |
| 1938 | 1.00 | 300.00 |
| 1939 | 1.00 | 360.00 |
| 1940 | 1.00 | 310.00 |
| | | |
| 1942 | 1.00 | 360.00 |
| 1943 | 1.00 | 270.00 |
| 1945 | 1.00 | 200.00 |
| | | |
| 1946 | 1.00 | 200.00 |
| 1948 | 1.00 | 220.00 |
| 1949 | 1.00 | 280.00 |
| 1950 | 1.00 | 230.00 |
| | | |
| 1951 | 1.00 | 190.00 |
| 1952 | 1.00 | 185.00 |
| 1953 | 1.00 | 310.00 |
| | | |
| 1955 | 1.00 | 310.00 |
| 1957 | 1.00 | 300.00 |
| 1958 | 1.00 | 210.00 |
| | | |
| 1959 | 1.00 | 290.00 |
| 1960 | 1.00 | 300.00 |
| 1961 | 1.00 | 260.00 |
| | 1.00 | |
| 1963 | | 246.00 |
| 1964 | 1.00 | 230.00 |
| 1965 | 1.00 | 300.00 |
| | | 340.00 |
| 1966 | 1.00 | |
| 1967 | 1.00 | 300.00 |
| 1968 | 1.00 | 390.00 |
| | 1.00 | 210.00 |
| 1969 | | |
| 1970 | 1.00 | 330.00 |
| 1971 | 1.00 | 340.00 |
| 1972 | 1.00 | 190.00 |
| | | |
| 1973 | 1.00 | 340.00 |
| 1974 | 1.00 | 200.00 |
| 1975 | 1.00 | 220.00 |
| | | |
| 1976 | 1.00 | 290.00 |
| 1977 | 1.00 | 230.00 |
| 1978 | 1.00 | 210.00 |
| | 1.00 | 330.00 |
| 1979 | | |
| 1980 | 1.00 | 325.00 |
| 1981 | 1.00 | 400.00 |
| 1982 | 1.00 | 212.00 |
| | | |
| 1984 | 1.00 | 260.00 |
| 1985 | 1.00 | 240.00 |
| 1986 | 1.00 | 340.00 |
| 1987 | 1.00 | 340.00 |
| | | |
| 1989 | 1.00 | 190.00 |
| 1990 | 1.00 | 290.00 |
| 1991 | 1.00 | 185.00 |
| | | |
| 1992 | 1.00 | 310.00 |
| 1994 | 1.00 | 290.00 |
| 1995 | 1.00 | 200.00 |
| | | |
| 1996 | 1.00 | 320.00 |
| 1999 | 1.00 | 200.00 |
| 2000 | 1.00 | 200.00 |
| | 1.00 | 320.00 |
| 2001 | | |
| 2002 | 1.00 | 200.00 |
| 2003 | 1.00 | 290.00 |
| 2004 | 1.00 | 200.00 |
| | | |
| 2006 | 1.00 | 330.00 |
| 2007 | 1.00 | 210.00 |
| 2008 | 1.00 | 330.00 |
| | | |
| 2009 | 1.00 | 355.00 |
| 2010 | 1.00 | 270.00 |
| 2011 | 1.00 | 220.00 |
| | | |
| 2013 | 1.00 | 210.00 |
| 2014 | 1.00 | 200.00 |
| | | |

| 2015 | 1 00 | 200 00 |
|------|------|--------|
| 2015 | 1.00 | 280.00 |
| 2016 | 1.00 | 448.00 |
| 2017 | 1.00 | 380.00 |
| | | |
| 2019 | 1.00 | 230.00 |
| 2021 | 1.00 | 250.00 |
| | | |
| 2023 | 1.00 | 185.00 |
| 2024 | 1.00 | 265.00 |
| 2025 | 1.00 | 540.00 |
| | | |
| 2028 | 1.00 | 315.00 |
| 2029 | 1.00 | 410.00 |
| | | |
| 2030 | 1.00 | 250.00 |
| 2031 | 1.00 | 330.00 |
| 2032 | 1.00 | 190.00 |
| | | |
| 2033 | 1.00 | 190.00 |
| 2035 | 1.00 | 190.00 |
| | | |
| 2037 | 1.00 | 220.00 |
| 2038 | 1.00 | 200.00 |
| 2039 | 1.00 | 250.00 |
| | | |
| 2040 | 1.00 | 470.00 |
| 2041 | 1.00 | 215.00 |
| | | |
| 2042 | 1.00 | 230.00 |
| 2043 | 1.00 | 448.00 |
| 2044 | 1.00 | 230.00 |
| | | |
| 2045 | 1.00 | 240.00 |
| 2046 | 1.00 | 300.00 |
| | | |
| 2048 | 1.00 | 280.00 |
| 2051 | 1.00 | 270.00 |
| 2052 | 1.00 | 310.00 |
| | | |
| 2055 | 1.00 | 350.00 |
| 2056 | 1.00 | 290.00 |
| | 1.00 | 280.00 |
| 2057 | | |
| 2058 | 1.00 | 270.00 |
| 2059 | 1.00 | 185.00 |
| | | |
| 2060 | 1.00 | 210.00 |
| 2061 | 1.00 | 360.00 |
| 2062 | 1.00 | 360.00 |
| | | |
| 2063 | 1.00 | 340.00 |
| 2064 | 1.00 | 200.00 |
| | | 190.00 |
| 2065 | 1.00 | |
| 2066 | 1.00 | 200.00 |
| 2067 | 1.00 | 470.00 |
| | | |
| 2068 | 1.00 | 290.00 |
| 2069 | 1.00 | 210.00 |
| 2070 | 1.00 | 310.00 |
| | | |
| 2071 | 1.00 | 185.00 |
| 2072 | 1.00 | 370.00 |
| 2073 | 1.00 | 185.00 |
| | | |
| 2075 | 1.00 | 300.00 |
| 2077 | 1.00 | 187.00 |
| | | |
| 2078 | 1.00 | 310.00 |
| 2079 | 1.00 | 290.00 |
| 2080 | 1.00 | 185.00 |
| | | |
| 2081 | 1.00 | 280.00 |
| 2082 | 1.00 | 185.00 |
| 2083 | 1.00 | 185.00 |
| | | |
| 2084 | 1.00 | 270.00 |
| 2086 | 1.00 | 215.00 |
| | | |
| 2088 | 1.00 | 190.00 |
| 2089 | 1.00 | 230.00 |
| 2090 | 1.00 | 250.00 |
| | | |
| 2091 | 1.00 | 214.00 |
| 2093 | 1.00 | 200.00 |
| | | |
| 2094 | 1.00 | 310.00 |
| 2096 | 1.00 | 230.00 |
| 2097 | 1.00 | 260.00 |
| | | |
| 2098 | 1.00 | 220.00 |
| 2099 | 1.00 | 190.00 |
| | | |
| 2100 | 1.00 | 190.00 |
| 2101 | 1.00 | 320.00 |
| 2103 | 1.00 | 230.00 |
| | 1.00 | 190.00 |
| 2104 | | |

| 2107 | 1.00 | 220.00 |
|------|------|--------|
| | | |
| 2108 | 1.00 | 180.00 |
| 2109 | 1.00 | 310.00 |
| 2110 | 1.00 | 280.00 |
| | | |
| 2111 | 1.00 | 190.00 |
| 2112 | 1.00 | 315.00 |
| 2113 | 1.00 | 190.00 |
| | | |
| 2115 | 1.00 | 340.00 |
| 2116 | 1.00 | 180.00 |
| | | |
| 2117 | 1.00 | 240.00 |
| 2118 | 1.00 | 340.00 |
| 2120 | 1.00 | 320.00 |
| | | |
| 2121 | 1.00 | 300.00 |
| 2123 | 1.00 | 420.00 |
| 2124 | 1.00 | 210.00 |
| | | |
| 2126 | 1.00 | 230.00 |
| 2127 | 1.00 | 180.00 |
| 2128 | 1.00 | 190.00 |
| | | |
| 2129 | 1.00 | 185.00 |
| 2131 | 1.00 | 400.00 |
| 2133 | 1.00 | 200.00 |
| | | |
| 2135 | 1.00 | 200.00 |
| 2138 | 1.00 | 240.00 |
| 2139 | 1.00 | 180.00 |
| | | |
| 2140 | 1.00 | 240.00 |
| 2141 | 1.00 | 270.00 |
| | | |
| 2142 | 1.00 | 220.00 |
| 2143 | 1.00 | 200.00 |
| 2144 | 1.00 | 190.00 |
| | | |
| 2145 | 1.00 | 230.00 |
| 2147 | 1.00 | 330.00 |
| 2148 | 1.00 | 190.00 |
| | | |
| 2152 | 1.00 | 320.00 |
| 2153 | 1.00 | 185.00 |
| 2154 | 1.00 | 300.00 |
| | | |
| 2155 | 1.00 | 260.00 |
| 2157 | 1.00 | 280.00 |
| 2158 | 1.00 | 300.00 |
| | | |
| 2160 | 1.00 | 200.00 |
| 2161 | 1.00 | 185.00 |
| 2164 | 1.00 | 190.00 |
| | | |
| 2165 | 1.00 | 190.00 |
| 2166 | 1.00 | 280.00 |
| 2167 | 1.00 | 190.00 |
| | | |
| 2168 | 1.00 | 300.00 |
| 2169 | 1.00 | 210.00 |
| 2170 | 1.00 | 230.00 |
| | | |
| 2172 | 1.00 | 210.00 |
| 2173 | 1.00 | 250.00 |
| 2174 | 1.00 | 190.00 |
| | | |
| 2175 | 1.00 | 190.00 |
| 2176 | 1.00 | 190.00 |
| 2177 | 1.00 | 190.00 |
| | | |
| 2178 | 1.00 | 190.00 |
| 2179 | 1.00 | 190.00 |
| 2180 | 1.00 | 190.00 |
| | | |
| 2181 | 1.00 | 200.00 |
| 2182 | 1.00 | 200.00 |
| 2183 | 1.00 | 190.00 |
| | | |
| 2185 | 1.00 | 450.00 |
| 2186 | 1.00 | 200.00 |
| 2188 | 1.00 | 190.00 |
| | | |
| 2189 | 1.00 | 185.00 |
| 2190 | 1.00 | 260.00 |
| | | |
| 2191 | 1.00 | 190.00 |
| 2192 | 1.00 | 310.00 |
| 2195 | 1.00 | 190.00 |
| | | |
| 2196 | 1.00 | 260.00 |
| 2197 | 1.00 | 190.00 |
| 2198 | 1.00 | 190.00 |
| | | |
| 2199 | 1.00 | 190.00 |
| | | |

| 2200 | 1.00 | 320.00 |
|------|------|--------|
| | | |
| 2202 | 1.00 | 240.00 |
| 2203 | 1.00 | 400.00 |
| | | |
| 2204 | 1.00 | 210.00 |
| 2205 | 1.00 | 220.00 |
| | 1.00 | 190.00 |
| 2206 | | |
| 2207 | 1.00 | 200.00 |
| 2208 | 1.00 | 230.00 |
| | | |
| 2209 | 1.00 | 400.00 |
| 2210 | 1.00 | 280.00 |
| | | |
| 2212 | 1.00 | 260.00 |
| 2213 | 1.00 | 260.00 |
| | | |
| 2214 | 1.00 | 230.00 |
| 2215 | 1.00 | 230.00 |
| 2217 | 1.00 | 310.00 |
| | | |
| 2219 | 1.00 | 351.00 |
| 2220 | 1.00 | 340.00 |
| | | |
| 2221 | 1.00 | 185.00 |
| 2222 | 1.00 | 290.00 |
| | 1.00 | 325.00 |
| 2223 | | |
| 2224 | 1.00 | 300.00 |
| 2227 | 1.00 | 210.00 |
| | | |
| 2228 | 1.00 | 275.00 |
| 2229 | 1.00 | 345.00 |
| | | |
| 2230 | 1.00 | 270.00 |
| 2231 | 1.00 | 190.00 |
| | | |
| 2232 | 1.00 | 330.00 |
| 2233 | 1.00 | 210.00 |
| 2234 | 1.00 | 390.00 |
| | | |
| 2235 | 1.00 | 190.00 |
| 2236 | 1.00 | 248.00 |
| | | |
| 2237 | 1.00 | 230.00 |
| 2238 | 1.00 | 220.00 |
| 2239 | 1.00 | 185.00 |
| | | |
| 2240 | 1.00 | 185.00 |
| 2241 | 1.00 | 185.00 |
| | 1.00 | |
| 2242 | | 310.00 |
| 2244 | 1.00 | 350.00 |
| 2245 | 1.00 | 300.00 |
| | | |
| 2246 | 1.00 | 200.00 |
| 2247 | 1.00 | 300.00 |
| 2248 | 1.00 | 220.00 |
| | | |
| 2249 | 1.00 | 440.00 |
| 2250 | 1.00 | 340.00 |
| | | |
| 2251 | 1.00 | 270.00 |
| 2252 | 1.00 | 380.00 |
| 2253 | 1.00 | 300.00 |
| | | |
| 2254 | 1.00 | 190.00 |
| 2255 | 1.00 | 240.00 |
| | 1.00 | 300.00 |
| 2256 | | |
| 2258 | 1.00 | 380.00 |
| 2259 | 1.00 | 280.00 |
| | | |
| 2260 | 1.00 | 210.00 |
| 2261 | 1.00 | 200.00 |
| 2262 | 1.00 | 300.00 |
| | | |
| 2264 | 1.00 | 240.00 |
| 2265 | 1.00 | 230.00 |
| | | |
| 2267 | 1.00 | 190.00 |
| 2268 | 1.00 | 180.00 |
| 2269 | 1.00 | 330.00 |
| | | |
| 2270 | 1.00 | 310.00 |
| 2271 | 1.00 | 190.00 |
| | | |
| 2272 | 1.00 | 410.00 |
| 2273 | 1.00 | 210.00 |
| 2274 | 1.00 | 230.00 |
| | | |
| 2276 | 1.00 | 320.00 |
| 2278 | 1.00 | 320.00 |
| | | |
| 2279 | 1.00 | 240.00 |
| 2280 | 1.00 | 180.00 |
| 2281 | 1.00 | 225.00 |
| | | |
| 2282 | 1.00 | 180.00 |
| | | |

| 2282 | 1.00 | 320.00 |
|------|------|--------|
| 2283 | | |
| 2284 | 1.00 | 250.00 |
| 2285 | 1.00 | 200.00 |
| | | |
| 2286 | 1.00 | 250.00 |
| 2287 | 1.00 | 240.00 |
| 2288 | 1.00 | 260.00 |
| | | |
| 2289 | 1.00 | 330.00 |
| 2290 | 1.00 | 330.00 |
| | | |
| 2292 | 1.00 | 210.00 |
| 2293 | 1.00 | 200.00 |
| 2295 | 1.00 | 340.00 |
| | | |
| 2296 | 1.00 | 185.00 |
| 2299 | 1.00 | 210.00 |
| | 1.00 | |
| 2300 | | 280.00 |
| 2301 | 1.00 | 200.00 |
| 2302 | 1.00 | 220.00 |
| | | |
| 2303 | 1.00 | 185.00 |
| 2305 | 1.00 | 180.00 |
| 2306 | 1.00 | 180.00 |
| | | |
| 2308 | 1.00 | 200.00 |
| 2309 | 1.00 | 215.00 |
| | 1.00 | |
| 2311 | | 210.00 |
| 2313 | 1.00 | 220.00 |
| 2314 | 1.00 | 330.00 |
| | | |
| 2315 | 1.00 | 180.00 |
| 2316 | 1.00 | 370.00 |
| | | |
| 2317 | 1.00 | 260.00 |
| 2319 | 1.00 | 240.00 |
| 2320 | 1.00 | 320.00 |
| | | |
| 2322 | 1.00 | 320.00 |
| 2324 | 1.00 | 340.00 |
| 2325 | 1.00 | 340.00 |
| | | |
| 2327 | 1.00 | 200.00 |
| 2328 | 1.00 | 260.00 |
| | | |
| 2329 | 1.00 | 231.00 |
| 2330 | 1.00 | 180.00 |
| 2331 | 1.00 | 250.00 |
| | | |
| 2332 | 1.00 | 330.00 |
| 2333 | 1.00 | 190.00 |
| 2334 | 1.00 | 300.00 |
| | | |
| 2336 | 1.00 | 310.00 |
| 2337 | 1.00 | 460.00 |
| | 1.00 | 180.00 |
| 2338 | | |
| 2339 | 1.00 | 200.00 |
| 2340 | 1.00 | 280.00 |
| | | |
| 2341 | 1.00 | 340.00 |
| 2342 | 1.00 | 185.00 |
| 2343 | 1.00 | 310.00 |
| | | |
| 2344 | 1.00 | 445.00 |
| 2345 | 1.00 | 325.00 |
| 2346 | 1.00 | 210.00 |
| | | |
| 2347 | 1.00 | 185.00 |
| 2353 | 1.00 | 185.00 |
| 2354 | 1.00 | 210.00 |
| | | |
| 2355 | 1.00 | 300.00 |
| 2356 | 1.00 | 360.00 |
| | 1.00 | 310.00 |
| 2357 | | |
| 2359 | 1.00 | 200.00 |
| 2360 | 1.00 | 320.00 |
| | | |
| 2362 | 1.00 | 280.00 |
| 2363 | 1.00 | 310.00 |
| 2365 | 1.00 | 230.00 |
| | | |
| 2366 | 1.00 | 315.00 |
| 2367 | 1.00 | 190.00 |
| | | |
| 2368 | 1.00 | 205.00 |
| 2370 | 1.00 | 185.00 |
| 2371 | 1.00 | 200.00 |
| | | |
| 2372 | 1.00 | 250.00 |
| 2375 | 1.00 | 300.00 |
| | | |
| 2377 | 1.00 | 230.00 |
| 2379 | 1.00 | 180.00 |
| | | |

| 2381 | 1.00 | 360.00 |
|------|------|--------|
| | | |
| 2383 | 1.00 | 280.00 |
| 2386 | 1.00 | 295.00 |
| 2387 | 1.00 | 280.00 |
| | | |
| 2388 | 1.00 | 185.00 |
| 2389 | 1.00 | 230.00 |
| | | |
| 2390 | 1.00 | 185.00 |
| 2391 | 1.00 | 270.00 |
| 2393 | 1.00 | 350.00 |
| | | |
| 2395 | 1.00 | 320.00 |
| 2397 | 1.00 | 180.00 |
| | 1.00 | 300.00 |
| 2398 | | |
| 2399 | 1.00 | 345.00 |
| 2400 | 1.00 | 340.00 |
| | | |
| 2401 | 1.00 | 185.00 |
| 2402 | 1.00 | 270.00 |
| 2403 | 1.00 | 345.00 |
| | | |
| 2405 | 1.00 | 195.00 |
| 2407 | 1.00 | 190.00 |
| | 1.00 | 315.00 |
| 2408 | | |
| 2410 | 1.00 | 185.00 |
| 2411 | 1.00 | 270.00 |
| | | |
| 2412 | 1.00 | 340.00 |
| 2413 | 1.00 | 210.00 |
| 2414 | 1.00 | 360.00 |
| | | |
| 2415 | 1.00 | 212.00 |
| 2416 | 1.00 | 190.00 |
| | | |
| 2417 | 1.00 | 250.00 |
| 2420 | 1.00 | 270.00 |
| 2425 | 1.00 | 190.00 |
| | | |
| 2426 | 1.00 | 220.00 |
| 2427 | 1.00 | 340.00 |
| 2428 | 1.00 | 310.00 |
| | | |
| 2430 | 1.00 | 210.00 |
| 2431 | 1.00 | 270.00 |
| | 1.00 | 350.00 |
| 2432 | | |
| 2433 | 1.00 | 215.00 |
| 2434 | 1.00 | 230.00 |
| | | |
| 2436 | 1.00 | 350.00 |
| 2437 | 1.00 | 340.00 |
| 2439 | 1.00 | 190.00 |
| | | |
| 2440 | 1.00 | 190.00 |
| 2442 | 1.00 | 185.00 |
| | | 370.00 |
| 2443 | 1.00 | |
| 2444 | 1.00 | 310.00 |
| 2445 | 1.00 | 270.00 |
| | | |
| 2447 | 1.00 | 190.00 |
| 2448 | 1.00 | 190.00 |
| 2449 | 1.00 | 290.00 |
| | | |
| 2450 | 1.00 | 240.00 |
| 2452 | 1.00 | 190.00 |
| | 1.00 | 320.00 |
| 2453 | | |
| 2454 | 1.00 | 280.00 |
| 2455 | 1.00 | 290.00 |
| | | 190.00 |
| 2458 | 1.00 | |
| 2459 | 1.00 | 330.00 |
| 2460 | 1.00 | 280.00 |
| | | |
| 2463 | 1.00 | 200.00 |
| 2464 | 1.00 | 200.00 |
| | 1.00 | 190.00 |
| 2466 | | |
| 2468 | 1.00 | 240.00 |
| 2469 | 1.00 | 210.00 |
| | | |
| 2470 | 1.00 | 260.00 |
| 2471 | 1.00 | 215.00 |
| 2472 | 1.00 | 300.00 |
| | | |
| 2473 | 1.00 | 210.00 |
| 2476 | 1.00 | 310.00 |
| | 1.00 | 340.00 |
| 2477 | | |
| 2479 | 1.00 | 300.00 |
| 2480 | 1.00 | 540.00 |
| | | |
| 2481 | 1.00 | 290.00 |

| 2482 | 1.00 | 210.00 |
|------|------|--------|
| | 1.00 | |
| 2483 | | 210.00 |
| 2484 | 1.00 | 210.00 |
| 2485 | 1.00 | 280.00 |
| | | |
| 2490 | 1.00 | 210.00 |
| 2491 | 1.00 | 290.00 |
| | | |
| 2493 | 1.00 | 190.00 |
| 2495 | 1.00 | 230.00 |
| 2498 | 1.00 | 270.00 |
| | | |
| 2499 | 1.00 | 320.00 |
| 2500 | 1.00 | 310.00 |
| | | |
| 2501 | 1.00 | 185.00 |
| 2502 | 1.00 | 315.00 |
| | 1.00 | |
| 2503 | | 190.00 |
| 2505 | 1.00 | 185.00 |
| 2506 | 1.00 | 220.00 |
| | | |
| 2507 | 1.00 | 220.00 |
| 2510 | 1.00 | 185.00 |
| 2511 | 1.00 | 200.00 |
| | | |
| 2512 | 1.00 | 190.00 |
| 2513 | 1.00 | 190.00 |
| | | |
| 2514 | 1.00 | 200.00 |
| 2515 | 1.00 | 190.00 |
| | 1.00 | 190.00 |
| 2516 | | |
| 2517 | 1.00 | 210.00 |
| 2518 | 1.00 | 190.00 |
| | | |
| 2519 | 1.00 | 200.00 |
| 2520 | 1.00 | 340.00 |
| | 1.00 | 330.00 |
| 2521 | | |
| 2522 | 1.00 | 300.00 |
| 2525 | 1.00 | 290.00 |
| | | |
| 2527 | 1.00 | 330.00 |
| 2528 | 1.00 | 200.00 |
| | 1.00 | 360.00 |
| 2529 | | |
| 2532 | 1.00 | 390.00 |
| 2533 | 1.00 | 330.00 |
| | | |
| 2534 | 1.00 | 190.00 |
| 2535 | 1.00 | 185.00 |
| | 1.00 | 190.00 |
| 2537 | | |
| 2538 | 1.00 | 190.00 |
| 2539 | 1.00 | 540.00 |
| | | |
| 2540 | 1.00 | 270.00 |
| 2541 | 1.00 | 190.00 |
| 2542 | 1.00 | 220.00 |
| | | |
| 2543 | 1.00 | 220.00 |
| 2544 | 1.00 | 210.00 |
| | | 250.00 |
| 2545 | 1.00 | |
| 2546 | 1.00 | 370.00 |
| 2547 | 1.00 | 220.00 |
| | | |
| 2550 | 1.00 | 480.00 |
| 2551 | 1.00 | 180.00 |
| 2552 | 1.00 | 200.00 |
| | | |
| 2553 | 1.00 | 315.00 |
| 2554 | 1.00 | 400.00 |
| | | |
| 2555 | 1.00 | 230.00 |
| 2557 | 1.00 | 185.00 |
| 2559 | 1.00 | 260.00 |
| | | |
| 2560 | 1.00 | 260.00 |
| 2561 | 1.00 | 315.00 |
| | 1.00 | 210.00 |
| 2562 | | |
| 2563 | 1.00 | 210.00 |
| 2564 | 1.00 | 190.00 |
| | | |
| 2565 | 1.00 | 185.00 |
| 2566 | 1.00 | 210.00 |
| | | |
| 2567 | 1.00 | 300.00 |
| 2568 | 1.00 | 224.00 |
| 2569 | 1.00 | 224.00 |
| | | |
| 2570 | 1.00 | 260.00 |
| 2572 | 1.00 | 260.00 |
| | | |
| 2573 | 1.00 | 260.00 |
| 2574 | 1.00 | 220.00 |
| | | |

| 2575 | 1.00 | 220.00 |
|------|------|--------|
| | | _ |
| 2576 | 1.00 | 210.00 |
| 2577 | 1.00 | 195.00 |
| 2578 | 1.00 | 270.00 |
| | 1.00 | |
| 2579 | | 220.00 |
| 2580 | 1.00 | 330.00 |
| 2581 | 1.00 | 300.00 |
| 2582 | 1.00 | 260.00 |
| | | |
| 2583 | 1.00 | 280.00 |
| 2584 | 1.00 | 250.00 |
| 2586 | 1.00 | 210.00 |
| 2587 | 1.00 | 200.00 |
| 2588 | 1.00 | 205.00 |
| | | |
| 2589 | 1.00 | 220.00 |
| 2590 | 1.00 | 220.00 |
| 2591 | 1.00 | 185.00 |
| 2592 | 1.00 | 330.00 |
| 2593 | 1.00 | 290.00 |
| | | |
| 2595 | 1.00 | 220.00 |
| 2597 | 1.00 | 200.00 |
| 2598 | 1.00 | 320.00 |
| 2599 | 1.00 | 190.00 |
| | | |
| 2600 | 1.00 | 190.00 |
| 2601 | 1.00 | 260.00 |
| 2602 | 1.00 | 290.00 |
| 2605 | 1.00 | 280.00 |
| 2606 | 1.00 | 290.00 |
| | | |
| 2608 | 1.00 | 190.00 |
| 2609 | 1.00 | 185.00 |
| 2610 | 1.00 | 190.00 |
| 2613 | 1.00 | 200.00 |
| | 1.00 | |
| 2617 | | 210.00 |
| 2618 | 1.00 | 210.00 |
| 2620 | 1.00 | 360.00 |
| 2621 | 1.00 | 240.00 |
| 2623 | 1.00 | 290.00 |
| | | |
| 2625 | 1.00 | 190.00 |
| 2626 | 1.00 | 400.00 |
| 2627 | 1.00 | 310.00 |
| 2628 | 1.00 | 385.00 |
| 2630 | 1.00 | 210.00 |
| | | |
| 2632 | 1.00 | 200.00 |
| 2633 | 1.00 | 335.00 |
| 2634 | 1.00 | 340.00 |
| 2635 | 1.00 | 300.00 |
| 2636 | 1.00 | 315.00 |
| | | |
| 2639 | 1.00 | 280.00 |
| 2640 | 1.00 | 185.00 |
| 2641 | 1.00 | 300.00 |
| 2643 | 1.00 | 210.00 |
| 2644 | 1.00 | 300.00 |
| | 1.00 | |
| 2646 | | 460.00 |
| 2647 | 1.00 | 330.00 |
| 2649 | 1.00 | 197.00 |
| 2651 | 1.00 | 210.00 |
| 2652 | 1.00 | 220.00 |
| | | |
| 2654 | 1.00 | 185.00 |
| 2659 | 1.00 | 340.00 |
| 2660 | 1.00 | 270.00 |
| 2661 | 1.00 | 315.00 |
| 2662 | 1.00 | 280.00 |
| | | |
| 2663 | 1.00 | 190.00 |
| 2665 | 1.00 | 325.00 |
| 2666 | 1.00 | 200.00 |
| 2667 | 1.00 | 230.00 |
| | 1.00 | |
| 2669 | | 280.00 |
| 2671 | 1.00 | 280.00 |
| 2672 | 1.00 | 350.00 |
| 2673 | 1.00 | 215.00 |
| 2674 | 1.00 | 190.00 |
| | | |
| 2675 | 1.00 | 440.00 |
| | | |

| 2677 | 1.00 | 190.00 |
|------|------|--------|
| 2678 | 1.00 | 260.00 |
| 2679 | 1.00 | 325.00 |
| 2680 | 1.00 | 340.00 |
| 2682 | 1.00 | 190.00 |
| | | |
| 2683 | 1.00 | 185.00 |
| 2684 | 1.00 | 210.00 |
| 2685 | 1.00 | 221.00 |
| 2686 | 1.00 | 300.00 |
| 2687 | 1.00 | 190.00 |
| 2688 | 1.00 | 220.00 |
| 2689 | 1.00 | 190.00 |
| 2691 | 1.00 | 470.00 |
| 2692 | 1.00 | 190.00 |
| 2693 | 1.00 | 200.00 |
| 2694 | 1.00 | 390.00 |
| | 1.00 | 220.00 |
| 2695 | | |
| 2696 | 1.00 | 340.00 |
| 2698 | 1.00 | 322.00 |
| 2699 | 1.00 | 350.00 |
| 2700 | 1.00 | 185.00 |
| 2701 | 1.00 | 250.00 |
| 2702 | 1.00 | 380.00 |
| 2703 | 1.00 | 270.00 |
| 2704 | 1.00 | 200.00 |
| 2705 | 1.00 | 310.00 |
| 2706 | 1.00 | 300.00 |
| 2707 | 1.00 | 210.00 |
| | | |
| 2708 | 1.00 | 210.00 |
| 2709 | 1.00 | 230.00 |
| 2710 | 1.00 | 350.00 |
| 2711 | 1.00 | 280.00 |
| 2712 | 1.00 | 290.00 |
| 2715 | 1.00 | 385.00 |
| 2718 | 1.00 | 360.00 |
| 2721 | 1.00 | 460.00 |
| 2724 | 1.00 | 310.00 |
| 2726 | 1.00 | 190.00 |
| 2727 | 1.00 | 185.00 |
| | | |
| 2728 | 1.00 | 185.00 |
| 2729 | 1.00 | 185.00 |
| 2730 | 1.00 | 190.00 |
| 2731 | 1.00 | 185.00 |
| 2732 | 1.00 | 185.00 |
| 2733 | 1.00 | 185.00 |
| 2734 | 1.00 | 185.00 |
| 2735 | 1.00 | 185.00 |
| 2736 | 1.00 | 185.00 |
| 2737 | 1.00 | 185.00 |
| 2738 | 1.00 | 185.00 |
| 2739 | 1.00 | 190.00 |
| 2740 | 1.00 | 220.00 |
| | | |
| 2741 | 1.00 | 185.00 |
| 2742 | 1.00 | 190.00 |
| 2743 | 1.00 | 190.00 |
| 2744 | 1.00 | 185.00 |
| 2745 | 1.00 | 190.00 |
| 2746 | 1.00 | 185.00 |
| 2747 | 1.00 | 190.00 |
| 2748 | 1.00 | 185.00 |
| 2749 | 1.00 | 190.00 |
| | 1.00 | 190.00 |
| 2750 | | |
| 2751 | 1.00 | 185.00 |
| 2752 | 1.00 | 185.00 |
| 2753 | 1.00 | 185.00 |
| 2754 | 1.00 | 185.00 |
| 2755 | 1.00 | 190.00 |
| 2756 | 1.00 | 190.00 |
| 2757 | 1.00 | 185.00 |
| 2758 | 1.00 | 185.00 |
| 2759 | 1.00 | 185.00 |
| | • | |

| 2760 | 1.00 | 185.00 |
|------|------|--------|
| | | |
| 2761 | 1.00 | 185.00 |
| 2762 | 1.00 | 185.00 |
| | 1.00 | |
| 2763 | | 190.00 |
| 2764 | 1.00 | 185.00 |
| 2765 | 1.00 | 185.00 |
| | | |
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| 2767 | 1.00 | 190.00 |
| | 1.00 | 185.00 |
| 2768 | | |
| 2769 | 1.00 | 190.00 |
| 2770 | 1.00 | 185.00 |
| | 1.00 | |
| 2771 | | 185.00 |
| 5001 | 0.00 | 433.00 |
| 5002 | 0.00 | 420.00 |
| | | |
| 5003 | 0.00 | 430.00 |
| 5004 | 0.00 | 300.00 |
| 5005 | 0.00 | 315.00 |
| | | |
| 5006 | 0.00 | 320.00 |
| 5007 | 0.00 | 325.00 |
| 5008 | 0.00 | 300.00 |
| | | |
| 5009 | 0.00 | 400.00 |
| 5010 | 0.00 | 430.00 |
| 5011 | 0.00 | 380.00 |
| | | |
| 5012 | 0.00 | 420.00 |
| 5013 | 0.00 | 374.00 |
| 5014 | 0.00 | 279.00 |
| | | |
| 5015 | 0.00 | 334.00 |
| 5016 | 0.00 | 323.00 |
| | 0.00 | 336.00 |
| 5017 | | |
| 5018 | 0.00 | 340.00 |
| 5019 | 0.00 | 370.00 |
| 5020 | | |
| | 0.00 | 375.00 |
| 5021 | 0.00 | 390.00 |
| 5022 | 0.00 | 380.00 |
| | | |
| 5023 | 0.00 | 380.00 |
| 5024 | 0.00 | 390.00 |
| 5025 | 0.00 | 312.00 |
| | | |
| 5026 | 0.00 | 360.00 |
| 5027 | 0.00 | 350.00 |
| 5028 | 0.00 | 390.00 |
| | | |
| 5029 | 0.00 | 390.00 |
| 5030 | 0.00 | 420.00 |
| 5031 | 0.00 | 270.00 |
| | 0.00 | |
| 5032 | | 380.00 |
| 5033 | 0.00 | 394.00 |
| 5034 | 0.00 | 400.00 |
| | 0.00 | |
| 5035 | | 400.00 |
| 5036 | 0.00 | 400.00 |
| 5037 | 0.00 | 340.00 |
| 5038 | 0.00 | |
| | | 390.00 |
| 5039 | 0.00 | 320.00 |
| 5040 | 0.00 | 300.00 |
| | 0.00 | 371.00 |
| 5041 | | |
| 5042 | 0.00 | 305.00 |
| 5043 | 0.00 | 430.00 |
| | 0.00 | 469.00 |
| 5044 | | |
| 5045 | 0.00 | 460.00 |
| 5046 | 0.00 | 534.00 |
| | | |
| 5047 | 0.00 | 560.00 |
| 5048 | 0.00 | 400.00 |
| 5049 | 0.00 | 420.00 |
| | | |
| 5050 | 0.00 | 323.00 |
| 5051 | 0.00 | 320.00 |
| 5052 | 0.00 | 310.00 |
| | | |
| 5053 | 0.00 | 350.00 |
| 5054 | 0.00 | 470.00 |
| 5055 | 0.00 | 470.00 |
| | | |
| 5056 | 0.00 | 445.00 |
| 5057 | 0.00 | 400.00 |
| | | |
| 5058 | 0.00 | 370.00 |
| 5059 | 0.00 | 370.00 |

| 5060 | 0.00 | 370.00 |
|--------------|------|------------------|
| | | |
| 5061 | 0.00 | 300.00 |
| 5062 | 0.00 | 335.00 |
| 5063 | 0.00 | 380.00 |
| | | |
| 5064 | 0.00 | 350.00 |
| 5065 | 0.00 | 336.00 |
| 5066 | 0.00 | 400.00 |
| | | |
| 5067 | 0.00 | 400.00 |
| 5068 | 0.00 | 420.00 |
| | | |
| 5069 | 0.00 | 340.00 |
| 5070 | 0.00 | 330.00 |
| 5071 | 0.00 | 330.00 |
| | | |
| 5072 | 0.00 | 320.00 |
| 5073 | 0.00 | 320.00 |
| | | |
| 5074 | 0.00 | 320.00 |
| 5075 | 0.00 | 321.00 |
| 5076 | 0.00 | 475.00 |
| | | |
| 5077 | 0.00 | 321.00 |
| 5078 | 0.00 | 310.00 |
| | 0.00 | |
| 5079 | | 300.00 |
| 5080 | 0.00 | 250.00 |
| 5081 | 0.00 | 299.00 |
| | | |
| 5082 | 0.00 | 310.00 |
| 5083 | 0.00 | 264.00 |
| 5084 | 0.00 | 250.00 |
| | | |
| 5085 | 0.00 | 280.00 |
| 5086 | 0.00 | 304.00 |
| | | |
| 5087 | 0.00 | 320.00 |
| 5088 | 0.00 | 280.00 |
| 5089 | 0.00 | 310.00 |
| | | |
| 5090 | 0.00 | 362.00 |
| 5091 | 0.00 | 388.00 |
| 5092 | 0.00 | |
| | | 340.00 |
| 5093 | 0.00 | 360.00 |
| 5094 | 0.00 | 370.00 |
| | | |
| 5095 | 0.00 | 285.00 |
| 5096 | 0.00 | 280.00 |
| 5097 | 0.00 | 280.00 |
| | | |
| 5098 | 0.00 | 280.00 |
| 5099 | 0.00 | 260.00 |
| 5100 | 0.00 | 290.00 |
| | | |
| 5101 | 0.00 | 330.00 |
| 5102 | 0.00 | 270.00 |
| | 0.00 | |
| 5103 | | 292.00 |
| 5104 | 0.00 | 292.00 |
| 5105 | 0.00 | 270.00 |
| | | |
| 5106 | 0.00 | 294.00 |
| 5107 | 0.00 | 365.00 |
| 5108 | 0.00 | 360.00 |
| | | |
| 5109 | 0.00 | 365.00 |
| 5110 | 0.00 | 365.00 |
| 5111 | 0.00 | 365.00 |
| | | |
| 5112 | 0.00 | 365.00 |
| 5113 | 0.00 | 370.00 |
| 5114 | 0.00 | 370.00 |
| | | |
| 5115 | 0.00 | 370.00 |
| 5116 | 0.00 | 360.00 |
| | | |
| 5117 | 0.00 | 360.00 |
| 5118 | 0.00 | 375.00 |
| 5119 | 0.00 | 390.00 |
| | | |
| 5120 | 0.00 | 390.00 |
| 5121 | 0.00 | 390.00 |
| 5122 | | |
| | 0.00 | 360.00 |
| 5123 | 0.00 | 330.00 |
| 5124 | 0.00 | 330.00 |
| | | |
| 5125 | 0.00 | 350.00 |
| 5126 | 0.00 | 345.00 |
| 5127 | 0.00 | 345.00 |
| | | |
| 5128 | 0.00 | 360.00 |
| | 0.00 | |
| 5129 | | |
| 5129
5130 | 0.00 | 370.00
360.00 |

| E131 | 0.00 | 360.00 |
|------|------|--------|
| 5131 | | |
| 5132 | 0.00 | 375.00 |
| 5133 | 0.00 | 365.00 |
| 5134 | 0.00 | 360.00 |
| 5135 | 0.00 | 365.00 |
| | | |
| 5136 | 0.00 | 310.00 |
| 5137 | 0.00 | 320.00 |
| 5138 | 0.00 | 320.00 |
| 5139 | 0.00 | 325.00 |
| | | |
| 5140 | 0.00 | 325.00 |
| 5141 | 0.00 | 290.00 |
| 5142 | 0.00 | 320.00 |
| 5143 | 0.00 | 290.00 |
| | | |
| 5144 | 0.00 | 310.00 |
| 5145 | 0.00 | 310.00 |
| 5146 | 0.00 | 305.00 |
| 5147 | 0.00 | 350.00 |
| 5148 | 0.00 | 360.00 |
| | | |
| 5149 | 0.00 | 310.00 |
| 5150 | 0.00 | 360.00 |
| 5151 | 0.00 | 310.00 |
| 5152 | 0.00 | 310.00 |
| | | |
| 5153 | 0.00 | 340.00 |
| 5154 | 0.00 | 330.00 |
| 5155 | 0.00 | 315.00 |
| 5156 | 0.00 | 290.00 |
| | | |
| 5157 | 0.00 | 260.00 |
| 5158 | 0.00 | 240.00 |
| 5159 | 0.00 | 240.00 |
| 5160 | 0.00 | 285.00 |
| | 0.00 | 222.00 |
| 5161 | | |
| 5162 | 0.00 | 265.00 |
| 5163 | 0.00 | 235.00 |
| 5164 | 0.00 | 258.00 |
| 5165 | 0.00 | 300.00 |
| | | |
| 5166 | 0.00 | 300.00 |
| 5167 | 0.00 | 300.00 |
| 5168 | 0.00 | 300.00 |
| 5169 | 0.00 | 250.00 |
| | | |
| 5170 | 0.00 | 250.00 |
| 5171 | 0.00 | 300.00 |
| 5172 | 0.00 | 270.00 |
| 5173 | 0.00 | 290.00 |
| 5174 | 0.00 | 290.00 |
| | | |
| 5175 | 0.00 | 270.00 |
| 5176 | 0.00 | 300.00 |
| 5177 | 0.00 | 280.00 |
| 5178 | 0.00 | 240.00 |
| 5179 | 0.00 | 300.00 |
| | | |
| 5180 | 0.00 | 280.00 |
| 5181 | 0.00 | 280.00 |
| 5182 | 0.00 | 275.00 |
| 5183 | 0.00 | 265.00 |
| | | |
| 5184 | 0.00 | 265.00 |
| 5185 | 0.00 | 264.00 |
| 5186 | 0.00 | 264.00 |
| 5187 | 0.00 | 260.00 |
| | 0.00 | 270.00 |
| 5188 | | |
| 5189 | 0.00 | 260.00 |
| 5190 | 0.00 | 229.00 |
| 5191 | 0.00 | 214.00 |
| 5192 | 0.00 | 214.00 |
| | | |
| 5193 | 0.00 | 220.00 |
| 5194 | 0.00 | 216.00 |
| 5195 | 0.00 | 216.00 |
| 5196 | 0.00 | 202.00 |
| | | |
| 5197 | 0.00 | 202.00 |
| 5198 | 0.00 | 181.00 |
| 5199 | 0.00 | 186.00 |
| 5200 | 0.00 | 186.00 |
| | | |
| 5201 | 0.00 | 180.00 |
| | | |

| 5202 | 0.00 | 180.00 |
|------|------|--------|
| 5203 | 0.00 | 180.00 |
| | 0.00 | |
| 5204 | | 180.00 |
| 5205 | 0.00 | 180.00 |
| 5207 | 0.00 | 360.00 |
| 5209 | 0.00 | 351.00 |
| 5210 | 0.00 | 340.00 |
| 5211 | 0.00 | 340.00 |
| 5212 | 0.00 | 330.00 |
| 5213 | 0.00 | 330.00 |
| | | |
| 5214 | 0.00 | 330.00 |
| 5215 | 0.00 | 335.00 |
| 5216 | 0.00 | 340.00 |
| 5217 | 0.00 | 345.00 |
| 5218 | 0.00 | 350.00 |
| 5219 | 0.00 | 314.00 |
| 5220 | 0.00 | 300.00 |
| | 0.00 | |
| 5221 | | 350.00 |
| 5222 | 0.00 | 310.00 |
| 5223 | 0.00 | 310.00 |
| 5224 | 0.00 | 310.00 |
| 5225 | 0.00 | 310.00 |
| 5226 | 0.00 | 310.00 |
| 5227 | 0.00 | 290.00 |
| 5228 | 0.00 | 290.00 |
| | | |
| 5229 | 0.00 | 290.00 |
| 5230 | 0.00 | 300.00 |
| 5231 | 0.00 | 260.00 |
| 5232 | 0.00 | 270.00 |
| 5233 | 0.00 | 270.00 |
| 5234 | 0.00 | 280.00 |
| 5235 | 0.00 | 300.00 |
| 5236 | 0.00 | 300.00 |
| | | |
| 5237 | 0.00 | 280.00 |
| 5238 | 0.00 | 280.00 |
| 5239 | 0.00 | 242.00 |
| 5240 | 0.00 | 280.00 |
| 5241 | 0.00 | 240.00 |
| 5242 | 0.00 | 290.00 |
| 5243 | 0.00 | 290.00 |
| 5244 | 0.00 | 295.00 |
| 5245 | 0.00 | 312.00 |
| | | |
| 5246 | 0.00 | 300.00 |
| 5247 | 0.00 | 296.00 |
| 5248 | 0.00 | 270.00 |
| 5249 | 0.00 | 302.00 |
| 5250 | 0.00 | 290.00 |
| 5251 | 0.00 | 270.00 |
| 5252 | 0.00 | 310.00 |
| 5253 | 0.00 | 310.00 |
| | | |
| 5254 | 0.00 | 330.00 |
| 5255 | 0.00 | 320.00 |
| 5256 | 0.00 | 320.00 |
| 5257 | 0.00 | 270.00 |
| 5258 | 0.00 | 320.00 |
| 5259 | 0.00 | 320.00 |
| 5260 | 0.00 | 350.00 |
| 5261 | 0.00 | 360.00 |
| | | |
| 5262 | 0.00 | 310.00 |
| 5263 | 0.00 | 245.00 |
| 5264 | 0.00 | 186.00 |
| 5265 | 0.00 | 212.00 |
| 5266 | 0.00 | 219.00 |
| 5267 | 0.00 | 225.00 |
| | 0.00 | 230.00 |
| 5268 | | |
| 5269 | 0.00 | 300.00 |
| 5270 | 0.00 | 300.00 |
| 5271 | 0.00 | 320.00 |
| 5272 | 0.00 | 320.00 |
| 5273 | 0.00 | 273.00 |
| 5274 | 0.00 | 319.00 |
| ·- | | |

| 5275 | 0.00 | 319.00 |
|--------------|--------------|------------------|
| 5276 | 0.00 | 235.00 |
| 5277 | 0.00 | 331.00 |
| 5278 | 0.00 | 340.00 |
| 5279 | 0.00 | 250.00 |
| 5280 | 0.00 | 286.00 |
| 5281 | 0.00 | 273.00 |
| 5282 | 0.00 | 310.00 |
| 5283 | 0.00 | 323.00 |
| 5284
5285 | 0.00
0.00 | 320.00
300.00 |
| 5286 | 0.00 | 300.00 |
| 5287 | 0.00 | 320.00 |
| 5288 | 0.00 | 340.00 |
| 5289 | 0.00 | 300.00 |
| 5290 | 0.00 | 282.00 |
| 5291 | 0.00 | 210.00 |
| 5292 | 0.00 | 200.00 |
| 5293 | 0.00 | 300.00 |
| 5294 | 0.00 | 250.00 |
| 5295 | 0.00 | 190.00 |
| 5296 | 0.00 | 340.00 |
| 5297 | 0.00 | 340.00 |
| 5298 | 0.00
0.00 | 340.00 |
| 5299 | | 390.00 |
| 5300
5301 | 0.00
0.00 | 437.00
457.00 |
| 5302 | 0.00 | 360.00 |
| 5303 | 0.00 | 350.00 |
| 5304 | 0.00 | 397.00 |
| 5305 | 0.00 | 260.00 |
| 5306 | 0.00 | 265.00 |
| 5307 | 0.00 | 240.00 |
| 5308 | 0.00 | 220.00 |
| 5309 | 0.00 | 200.00 |
| 5310 | 0.00 | 210.00 |
| 5311 | 0.00 | 230.00 |
| 5312 | 0.00 | 280.00 |
| 5313 | 0.00 | 248.00
241.00 |
| 5314
5315 | 0.00 | 211.00 |
| 5316 | 0.00 | 205.00 |
| 5317 | 0.00 | 200.00 |
| 5318 | 0.00 | 200.00 |
| 5319 | 0.00 | 210.00 |
| 5320 | 0.00 | 200.00 |
| 5321 | 0.00 | 323.00 |
| 5322 | 0.00 | 210.00 |
| 5323 | 0.00 | 220.00 |
| 5324 | 0.00 | 220.00 |
| 5325 | 0.00 | 215.00 |
| 5326 | 0.00 | 365.00
240.00 |
| 5327
5328 | 0.00
0.00 | 270.00 |
| 5329 | 0.00 | 252.00 |
| 5330 | 0.00 | 271.00 |
| 5331 | 0.00 | 300.00 |
| 5332 | 0.00 | 185.00 |
| 5333 | 0.00 | 207.00 |
| 5334 | 0.00 | 310.00 |
| 5335 | 0.00 | 320.00 |
| 5336 | 0.00 | 240.00 |
| 5337 | 0.00 | 230.00 |
| 5338 | 0.00 | 216.00 |
| 5339 | 0.00 | 220.00 |
| 5340 | 0.00 | 230.00 |
| 5341 | 0.00 | 197.00 |
| 5342 | 0.00 | 179.00 |
| 5343
5344 | 0.00
0.00 | 180.00
180.00 |
| 5344
5345 | 0.00 | 180.00 |
| 5345 | 5.00 | 100.00 |

| E246 | 0.00 | 180.00 |
|------|------|--------|
| 5346 | | |
| 5347 | 0.00 | 190.00 |
| 5348 | 0.00 | 180.00 |
| 5349 | 0.00 | 190.00 |
| 5350 | 0.00 | 180.00 |
| 5351 | 0.00 | 210.00 |
| 5352 | 0.00 | 210.00 |
| 5353 | 0.00 | 230.00 |
| | | |
| 5354 | 0.00 | 220.00 |
| 5355 | 0.00 | 215.00 |
| 5356 | 0.00 | 230.00 |
| 5357 | 0.00 | 220.00 |
| 5358 | 0.00 | 220.00 |
| 5359 | 0.00 | 200.00 |
| 5360 | 0.00 | 210.00 |
| 5361 | 0.00 | 210.00 |
| | | |
| 5362 | 0.00 | 210.00 |
| 5363 | 0.00 | 200.00 |
| 5364 | 0.00 | 200.00 |
| 5365 | 0.00 | 190.00 |
| 5366 | 0.00 | 190.00 |
| 5367 | 0.00 | 190.00 |
| 5368 | 0.00 | 190.00 |
| | 0.00 | 190.00 |
| 5369 | | |
| 5370 | 0.00 | 200.00 |
| 5371 | 0.00 | 190.00 |
| 5372 | 0.00 | 190.00 |
| 5373 | 0.00 | 190.00 |
| 5374 | 0.00 | 210.00 |
| 5375 | 0.00 | 210.00 |
| 5376 | 0.00 | 240.00 |
| | 0.00 | 214.00 |
| 5377 | | |
| 5378 | 0.00 | 205.00 |
| 5379 | 0.00 | 190.00 |
| 5380 | 0.00 | 200.00 |
| 5381 | 0.00 | 210.00 |
| 5382 | 0.00 | 186.00 |
| 5383 | 0.00 | 190.00 |
| 5384 | 0.00 | 185.00 |
| | 0.00 | 185.00 |
| 5385 | | |
| 5386 | 0.00 | 190.00 |
| 5387 | 0.00 | 185.00 |
| 5388 | 0.00 | 185.00 |
| 5389 | 0.00 | 185.00 |
| 5390 | 0.00 | 190.00 |
| 5391 | 0.00 | 270.00 |
| 5392 | 0.00 | 365.00 |
| 5393 | 0.00 | 350.00 |
| | 0.00 | 380.00 |
| 5394 | | |
| 5395 | 0.00 | 350.00 |
| 5396 | 0.00 | 321.00 |
| 5397 | 0.00 | 210.00 |
| 5398 | 0.00 | 207.00 |
| 5399 | 0.00 | 205.00 |
| 5400 | 0.00 | 193.00 |
| 5401 | 0.00 | 187.00 |
| | 0.00 | 185.00 |
| 5402 | | |
| 5403 | 0.00 | 185.00 |
| 5404 | 0.00 | 185.00 |
| 5405 | 0.00 | 185.00 |
| 5406 | 0.00 | 185.00 |
| 5407 | 0.00 | 185.00 |
| 5408 | 0.00 | 185.00 |
| | 0.00 | 205.00 |
| 5409 | | |
| 5410 | 0.00 | 200.00 |
| 5411 | 0.00 | 202.00 |
| 5412 | 0.00 | 202.00 |
| 5413 | 0.00 | 190.00 |
| 5414 | 0.00 | 195.00 |
| 5415 | 0.00 | 185.00 |
| 5416 | 0.00 | 190.00 |
| 2410 | 0.00 | |

| 5417 | 0.00 | 185.00 |
|------|------|--------|
| 5418 | 0.00 | 190.00 |
| | | |
| 5419 | 0.00 | 190.00 |
| 5420 | 0.00 | 195.00 |
| 5421 | 0.00 | 190.00 |
| | | |
| 5422 | 0.00 | 190.00 |
| 5423 | 0.00 | 190.00 |
| | 0.00 | |
| 5424 | | 185.00 |
| 5425 | 0.00 | 185.00 |
| 5426 | 0.00 | 185.00 |
| | | |
| 5427 | 0.00 | 185.00 |
| 5428 | 0.00 | 185.00 |
| 5429 | 0.00 | 185.00 |
| | | |
| 5430 | 0.00 | 200.00 |
| 5431 | 0.00 | 200.00 |
| 5432 | 0.00 | 200.00 |
| | | |
| 5433 | 0.00 | 185.00 |
| 5434 | 0.00 | 210.00 |
| 5435 | 0.00 | 210.00 |
| | | |
| 5436 | 0.00 | 231.00 |
| 5437 | 0.00 | 200.00 |
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235.00 |

| 5631 | 0.00 | 225.00 |
|--------------|----------------------|------------------|
| | 0.00 | |
| 5632 | | 225.00 |
| 5633 | 0.00 | 220.00 |
| 5634 | 0.00 | 210.00 |
| 5635 | 0.00 | 200.00 |
| | | |
| 5636 | 0.00 | 210.00 |
| 5637 | 0.00 | 210.00 |
| 5638 | 0.00 | 215.00 |
| | 0.00 | |
| 5639 | | 215.00 |
| 5640 | 0.00 | 215.00 |
| 5641 | 0.00 | 215.00 |
| 5642 | 0.00 | 210.00 |
| 5643 | 0.00 | 215.00 |
| | | |
| 5644 | 0.00 | 240.00 |
| 5645 | 0.00 | 240.00 |
| 5646 | 0.00 | 240.00 |
| 5647 | 0.00 | 240.00 |
| | | |
| 5648 | 0.00 | 230.00 |
| 5649 | 0.00 | 210.00 |
| 5650 | 0.00 | 200.00 |
| 5651 | 0.00 | 190.00 |
| | | |
| 5652 | 0.00 | 190.00 |
| 5653 | 0.00 | 190.00 |
| 5654 | 0.00 | 190.00 |
| 5655 | 0.00 | 190.00 |
| | | |
| 5656 | 0.00 | 185.00 |
| 5657 | 0.00 | 185.00 |
| 5658 | 0.00 | 190.00 |
| 5659 | 0.00 | 190.00 |
| | 0.00 | |
| 5660 | | 195.00 |
| 5661 | 0.00 | 300.00 |
| 5662 | 0.00 | 280.00 |
| 5663 | 0.00 | 300.00 |
| 5664 | 0.00 | 310.00 |
| | | |
| 5665 | 0.00 | 190.00 |
| 5666 | 0.00 | 230.00 |
| 5667 | 0.00 | 400.00 |
| 5668 | 0.00 | 560.00 |
| | | |
| 7000 | 1.00 | 430.00 |
| 7001 | 1.00 | 410.00 |
| 7002 | 1.00 | 380.00 |
| 7003 | 1.00 | 410.00 |
| | | |
| 7004 | 1.00 | 400.00 |
| 7005 | 1.00 | 530.00 |
| 7006 | 1.00 | 540.00 |
| 7007 | 1.00 | 445.00 |
| 7008 | 1.00 | 400.00 |
| | | |
| 7009 | 1.00 | 300.00 |
| 7010 | 1.00 | 390.00 |
| 7011 | 1.00 | 280.00 |
| 7012 | 1.00 | 310.00 |
| | | 365.00 |
| 7013 | 1.00 | |
| 7014 | 1.00 | 360.00 |
| 7015 | 1.00 | 380.00 |
| 7016 | 1.00 | 320.00 |
| 7017 | 1.00 | 340.00 |
| | | |
| 7018 | 1.00 | 370.00 |
| 7019 | 1.00 | 360.00 |
| 7020 | 1.00 | 360.00 |
| 7021 | 1.00 | 360.00 |
| | | |
| 7022 | 1.00 | 320.00 |
| 7023 | 1.00 | 310.00 |
| 7024 | 1.00 | 305.00 |
| 7025 | 1.00 | 310.00 |
| | | |
| 7026 | 1.00 | 360.00 |
| 7027 | | 350.00 |
| | 1.00 | |
| 7028 | | 290.00 |
| | 1.00 | |
| 7029 | 1.00
1.00 | 260.00 |
| 7029
7030 | 1.00
1.00
1.00 | 260.00
270.00 |
| 7029 | 1.00
1.00 | 260.00 |
| 7029
7030 | 1.00
1.00
1.00 | 260.00
270.00 |

| 7033 | 1.00 | 202.00 |
|------|------|--------|
| | | |
| 7034 | 1.00 | 330.00 |
| 7035 | 1.00 | 345.00 |
| 7036 | 1.00 | 326.00 |
| | | |
| 7037 | 1.00 | 310.00 |
| 7038 | 1.00 | 300.00 |
| | | 300.00 |
| 7039 | 1.00 | |
| 7040 | 1.00 | 320.00 |
| 7041 | 1.00 | 290.00 |
| | | |
| 7042 | 1.00 | 290.00 |
| 7043 | 1.00 | 425.00 |
| 7044 | 1.00 | 470.00 |
| | | |
| 7045 | 1.00 | 275.00 |
| 7046 | 1.00 | 215.00 |
| | 1.00 | |
| 7047 | | 215.00 |
| 7048 | 1.00 | 210.00 |
| 7049 | 1.00 | 210.00 |
| | | |
| 7050 | 1.00 | 210.00 |
| 7051 | 1.00 | 225.00 |
| 7052 | 1.00 | 215.00 |
| | | |
| 7053 | 1.00 | 215.00 |
| 7054 | 1.00 | 260.00 |
| 7055 | 1.00 | 270.00 |
| | | |
| 7056 | 1.00 | 190.00 |
| 7057 | 1.00 | 185.00 |
| | 1.00 | |
| 7058 | | 185.00 |
| 7059 | 1.00 | 185.00 |
| 7060 | 1.00 | 185.00 |
| | | |
| 7061 | 1.00 | 185.00 |
| 7062 | 1.00 | 185.00 |
| 7063 | 1.00 | 200.00 |
| | | |
| 7064 | 1.00 | 220.00 |
| 7065 | 1.00 | 220.00 |
| 7067 | 1.00 | 185.00 |
| | | |
| 7070 | 1.00 | 200.00 |
| 7071 | 1.00 | 220.00 |
| 7072 | 1.00 | 380.00 |
| | | |
| 7073 | 1.00 | 230.00 |
| 7074 | 1.00 | 260.00 |
| 7412 | 1.00 | 370.00 |
| | | |
| 8001 | 1.00 | 360.00 |
| 8002 | 1.00 | 310.00 |
| 8003 | 1.00 | 290.00 |
| | | |
| 8004 | 1.00 | 290.00 |
| 8005 | 1.00 | 360.00 |
| | 1.00 | |
| 8006 | | 300.00 |
| 8007 | 1.00 | 290.00 |
| 8008 | 1.00 | 290.00 |
| | 1.00 | 210.00 |
| 8009 | | |
| 8010 | 1.00 | 190.00 |
| 8011 | 1.00 | 190.00 |
| | | |
| 8012 | 1.00 | 210.00 |
| 8013 | 1.00 | 210.00 |
| 8014 | 1.00 | 200.00 |
| | | |
| 8016 | 1.00 | 185.00 |
| 8017 | 1.00 | 185.00 |
| 8018 | 1.00 | 220.00 |
| | | |
| 8019 | 1.00 | 220.00 |
| 8020 | 1.00 | 200.00 |
| 8021 | 1.00 | 200.00 |
| | | |
| 8022 | 1.00 | 298.00 |
| 8023 | 1.00 | 200.00 |
| 8024 | 1.00 | 360.00 |
| | | |
| 8025 | 1.00 | 200.00 |
| 8027 | 1.00 | 200.00 |
| | | |
| 8028 | 1.00 | 185.00 |
| 8029 | 1.00 | 190.00 |
| 8030 | 1.00 | 190.00 |
| | | |
| 8031 | 1.00 | 190.00 |
| 8032 | 1.00 | 300.00 |
| 8034 | 1.00 | 190.00 |
| 0004 | 1.00 | |

| 8035 | | 1.00 | 195.00 | |
|------------|--|--------|--------|--------|
| 8036 | | 1.00 | 190.00 | |
| 8037 | | 1.00 | 260.00 | |
| | | | | |
| 8038 | | 1.00 | 260.00 | |
| 8039 | | 1.00 | 290.00 | |
| 8040 | | 1.00 | 185.00 | |
| 8041 | | 1.00 | 185.00 | |
| 8042 | | 1.00 | 185.00 | |
| 8043 | | 1.00 | 330.00 | |
| | | 1.00 | | |
| 8044 | | | 200.00 | |
| 8045 | | 1.00 | 185.00 | |
| 8046 | | 1.00 | 315.00 | |
| 8047 | | 1.00 | 390.00 | |
| 8048 | | 1.00 | 240.00 | |
| 8049 | | 1.00 | 200.00 | |
| 8050 | | 1.00 | 280.00 | |
| | | | | |
| 8051 | | 1.00 | 448.00 | |
| 8052 | | 1.00 | 220.00 | |
| 8053 | | 1.00 | 205.00 | |
| 8054 | | 1.00 | 235.00 | |
| 8055 | | 1.00 | 190.00 | |
| | | 1.00 | 190.00 | |
| 8056 | | | | |
| 8057 | | 1.00 | 190.00 | |
| 8058 | | 1.00 | 190.00 | |
| 8059 | | 1.00 | 240.00 | |
| 8060 | | 1.00 | 470.00 | |
| 8061 | | 1.00 | 220.00 | |
| | | | | |
| 8062 | | 1.00 | 190.00 | |
| 8063 | | 1.00 | 185.00 | |
| 8064 | | 1.00 | 320.00 | |
| 8065 | | 1.00 | 220.00 | |
| 8066 | | 1.00 | 310.00 | |
| 8067 | | 1.00 | 460.00 | |
| | | | | |
| 8068 | | 1.00 | 190.00 | |
| 8069 | | 1.00 | 350.00 | |
| 8070 | | 1.00 | 180.00 | |
| 8071 | | 1.00 | 185.00 | |
| 8072 | | 1.00 | 330.00 | |
| 8073 | | 1.00 | 350.00 | |
| | | | | |
| 8074 | | 1.00 | 370.00 | |
| 8075 | | 1.00 | 330.00 | |
| 9000 | | 15.00 | 220.00 | |
| 9001 | | 25.00 | 220.00 | |
| 9002 | | 18.00 | 190.00 | |
| 9003 | | 112.00 | 190.00 | |
| | | | | |
| 9004 | | 59.00 | 248.00 | |
| 9005 | | 27.00 | 180.00 | |
| 9006 | | 26.00 | 180.00 | |
| 9007 | | 166.00 | 200.00 | |
| 184-Pump-1 | | 0.00 | 320.00 | |
| 184-Pump-2 | | 0.00 | 320.00 | |
| _ | | 0.00 | | |
| Bron-Pump- | | | 390.00 | |
| BronPump-2 | | 0.00 | 390.00 | |
| Bronson-ES | | | 390.00 | 511.00 |
| CrossRoad- | | 0.00 | 350.00 | |
| CrossRoad- | | 0.00 | 350.00 | |
| CrossRoad- | | | 350.00 | 370.00 |
| | Mn <mdld-455 <="" td=""><td></td><td></td><td>200.00</td></mdld-455> | | | 200.00 |
| FGN-AA | · · · · · · · · · · · · · · · · · · · | | 190.00 | |
| FGN-BB | Mn<83-D-455/ | | 190.00 | 200.00 |
| FGN-LL | 184D-500/ | | 320.00 | 500.00 |
| FGN-TT | Mn <ctyd-455 <="" td=""><td></td><td>190.00</td><td>455.00</td></ctyd-455> | | 190.00 | 455.00 |
| Hemphill-T | • | | 280.00 | 420.00 |
| Hwy83 | CLMS-380/ | | 310.00 | 390.00 |
| - | CTP -0-300/ | | | 320.00 |
| Hwy83-1 | | 0.00 | 300.00 | |
| Hwy83-2 | | 0.00 | 300.00 | _ |
| Hwy83-Plan | | | 300.00 | 382.00 |
| J-1 | | 0.00 | 210.00 | |
| J-11 | | 0.00 | 400.00 | |
| J-18 | | 0.00 | 390.00 | |
| | | | | |
| J-21 | | 0.00 | 269.00 | |
| J-22 | | 0.00 | 300.00 | |
| | | | | |

| | 0.00 | 185.00 | |
|--------------|--------------|--|---|
| | 0.00 | 325.00 | |
| | 0.00 | 390.00 | |
| | 0.00 | 300.00 | |
| | 0.00 | 300.00 | |
| | 0.00 | 190.00 | |
| | 0.00 | 350.00 | |
| | 1.00 | 320.00 | |
| | 0.00 | 190.00 | |
| | 0.00 | 320.00 | |
| | 0.00 | 340.00 | |
| | 0.00 | 0.00 | |
| | | 380.00 | 396.00 |
| | 0.00 | 380.00 | |
| | 0.00 | 380.00 | |
| | 0.00 | 269.00 | |
| | 0.00 | 269.00 | |
| | | 400.00 | 410.00 |
| | 0.00 | 400.00 | |
| | 0.00 | 400.00 | |
| | | 185.00 | 200.00 |
| | | 185.00 | |
| | | 185.00 | |
| | | 400.00 | |
| | 0.00 | 400.00 | |
| RdH-S/D-510/ | | 440.00 | 510.00 |
| | | 560.00 | 625.00 |
| | | 400.00 | |
| | 0.00 | | |
| | | | 360.00 |
| | | | 347.00 |
| | | | 340.00 |
| | | | 348.00 |
| | | | |
| | | | |
| | | 190.00 | |
| | | | |
| | | 190.00 | |
| | 0.00 | 190.00 | |
| | RdH-S/D-510/ | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | 0.00 325.00 0.00 390.00 0.00 300.00 0.00 300.00 0.00 190.00 0.00 350.00 1.00 320.00 0.00 190.00 0.00 320.00 0.00 340.00 0.00 340.00 0.00 380.00 0.00 380.00 0.00 380.00 0.00 380.00 0.00 269.00 0.00 269.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 400.00 0.00 325.00 0.00 325.00 0.00 190.00 0.00 190.00 |

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
MAXIMUM AND MINIMUM PRESSURES = 20

MAXIMUM AND MINIMUM PRESSURES = 20 MAXIMUM AND MINIMUM VELOCITIES = 20 MAXIMUM AND MINIMUM HEAD LOSS/1000 = 20

SUPPLY ZONE DATA

THIS SYSTEM HAS MULTIPLE SUPPLY ZONES

ZONE NO. 1 IS SUPPLIED THROUGH THE FOLLOWING PIPES: ${\sim} @ Bronson\text{-}EST$

ZONE NO. 2 IS SUPPLIED THROUGH THE FOLLOWING PIPES:

ZONE NO. 3 IS SUPPLIED THROUGH THE FOLLOWING PIPES:

SYSTEM CONFIGURATION

```
      NUMBER OF PIPES
      (p) = 2956

      NUMBER OF END NODES
      (j) = 2880

      NUMBER OF PRIMARY LOOPS
      (1) = 61

      NUMBER OF SUPPLY NODES
      (f) = 18

      NUMBER OF SUPPLY ZONES
      (z) = 3
```

CHANGES FOR NEXT SIMULATION (Change Number = 3)

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00338

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE
NAME | NODE N
#1 | IUMBERS
#2 | FLOWRATE | LOSS | MINOR | LINE
VELO. | HL/
1000 |
|--------------|--------------|---------------|------------------|--------------|-------|---------------|--------------|
| | | | (gpm) | (ft) | (ft) | (It/s) | (ft/ft) |
| 1 | 2675 | 133 | -1.25 | 0.05 | 0.00 | 0.13 | 0.05 |
| 2 | 133 | 5001 | -2.50 | 0.17 | 0.00 | 0.26 | 0.18 |
| 3 | 5001 | 357 | -2.50 | 0.24 | 0.00 | 0.26 | 0.18 |
| 4 | 357 | 2123 | -3.75 | 0.38 | 0.00 | 0.38 | 0.39 |
| 5 | 5002 | 5003 | 12.50 | 0.58 | 0.00 | 0.57 | 0.50 |
| 6 | 5003 | 1794 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 7 | 5003 | 71 | 11.25 | 0.11 | 0.00 | 0.51 | 0.41 |
| 8 | 71 | 74 | 10.00 | 0.17 | 0.00 | 0.45 | 0.33 |
| 9 | 74 | 682 | 8.75 | 0.04 | 0.00 | 0.40 | 0.26 |
| 10 | 682 | 70 | 7.50 | 0.04 | 0.00 | 0.34 | 0.19 |
| 11 | 5011 | 1888 | 6.25 | 1.58 | 0.00 | 0.64 | 0.99 |
| 12 | 1888 | 5004 | 5.00 | 0.37 | 0.00 | 0.33 | 0.22 |
| 13 | 5004 | 365 | 5.00 | 0.22 | 0.00 | 0.33 | 0.22 |
| 14 | 365 | 5005 | 3.75 | 0.06 | 0.00 | 0.25 | 0.13 |
| 15 | 5005 | 5006 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 16 | 5005 | 5007 | 3.75 | 0.05 | 0.00 | 0.25 | 0.13 |
| 17 | 5007 | 5008 | 3.75 | 0.40 | 0.00 | 0.25 | 0.13 |
| 18 | 5008 | 908 | 3.75 | 0.12 | 0.00 | 0.25 | 0.13 |
| 19 | 908 | 5009 | 2.50 | 0.06 | 0.00 | 0.16 | 0.06 |
| 20 | 5009 | 631 | 2.50 | 0.08 | 0.00 | 0.16 | 0.06 |
| 21 | 631 | 630 | 1.25 | 0.01 | 0.00 | 0.08 | 0.02 |
| 22 | 5002 | 979 | -17.50 | 0.02 | 0.00 | 0.45 | 0.23 |
| 23 | 979 | 611 | -18.75 | 0.15 | 0.00 | 0.48 | 0.26 |
| 24 | 611 | 5010 | -20.00 | 0.04 | 0.00 | 0.51 | 0.29 |
| 25 | 70 | 5011 | 6.25 | 0.09 | 0.00 | 0.28 | 0.14 |
| 26 | 5010 | 7000 | -20.00 | 0.02 | 0.00 | 0.51 | 0.29 |
| 27 | 7000 | 7001 | -21.25 | 0.57 | 0.00 | 0.54 | 0.33 |
| 28 | 7001 | 1321 | -22.50 | 0.33 | 0.00 | 0.57 | 0.36 |
| 29 | 5012 | 111 | 2.50 | 0.21 | 0.00 | 0.26 | 0.18 |
| 30 | 111 | 880 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 31 | 5012
62 | 552
174 | -26.25
3.75 | 0.54
0.03 | 0.00 | 0.67 | 0.48 |
| 32 | 174 | 938 | 2.50 | 0.03 | 0.00 | 0.38
0.26 | 0.39
0.18 |
| 33 | 938 | 629 | 1.25 | 0.00 | 0.00 | 0.28 | 0.18 |
| 34 | 552 | 150 | -32.50 | 0.00 | 0.00 | 0.13 | 0.03 |
| 35
36 | 150 | 7002 | -32.50
-33.75 | 1.13 | 0.00 | 0.86 | 0.72 |
| 36
37 | 7002 | 5013 | -35.75 | 1.13 | 0.00 | 0.89 | 0.77 |
| 38 | 5013 | 5014 | 17.50 | 1.08 | 0.00 | 0.45 | 0.23 |
| 30
39 | 5014 | 5014 | 17.50 | 0.55 | 0.00 | 0.45 | 0.23 |
| 40 | 5014 | 1693 | 3.75 | 0.00 | 0.00 | 0.45 | 0.23 |
| 41 | 1693 | 345 | 2.50 | 0.19 | 0.00 | 0.10 | 0.18 |
| 42 | 345 | 1138 | 1.25 | 0.15 | 0.00 | 0.28 | 0.15 |
| 43 | 5015 | 848 | 13.75 | 0.19 | 0.00 | 0.13 | 0.15 |
| 4.3 | 2012 | 040 | 13.13 | 0.19 | 0.00 | V.33 | 0.13 |

| 44 | 848 | 5016 | 12.50 | 0.08 | 0.00 | 0.32 | 0.12 |
|----------|--------------|------|---------|-------|------|------|-------|
| 45 | 5016 | 409 | 12.50 | 0.08 | 0.00 | 0.32 | 0.12 |
| 46 | 409 | 397 | 11.25 | 0.06 | 0.00 | 0.29 | 0.10 |
| 47 | | 5017 | 10.00 | 0.10 | 0.00 | | |
| | 397 | | | | | 0.45 | 0.33 |
| 48 | 5017 | 5018 | 10.00 | 0.40 | 0.00 | 0.45 | 0.33 |
| 49 | 5018 | 588 | 10.00 | 0.28 | 0.00 | 0.45 | 0.33 |
| 50 | 588 | 5019 | 8.75 | 0.60 | 0.00 | 0.40 | 0.26 |
| 51 | 5019 | 5020 | 8.75 | 0.22 | 0.00 | 0.40 | 0.26 |
| 52 | 5020 | 5022 | 3.75 | 0.11 | 0.00 | 0.38 | 0.39 |
| 53 | 5020 | 5021 | 5.00 | 0.04 | 0.00 | 0.23 | 0.09 |
| 54 | 5022 | 976 | 1.25 | 0.42 | 0.00 | 0.51 | 1.47 |
| 55 | 5022 | 444 | 2,50 | 0.32 | 0.00 | 0.26 | 0.18 |
| 56 | 444 | 1968 | 1.25 | 0.66 | 0.00 | 0.51 | 1.47 |
| | | | | | | | |
| 57 | 5021 | 5024 | 5.00 | 0.04 | 0.00 | 0.23 | 0.09 |
| 58 | 5024 | 975 | 3.75 | 0.01 | 0.00 | 0.38 | 0.39 |
| 59 | 641 | 2249 | 1.25 | 0.10 | 0.00 | 0.13 | 0.05 |
| 60 | 5024 | 1981 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 61 | 5013 | 5023 | -52.50 | 0.12 | 0.00 | 0.60 | 0.24 |
| 62 | 5023 | 7003 | 3.75 | 0.06 | 0.00 | 0.38 | 0.39 |
| 63 | 7003 | 1912 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| 64 | 1912 | 1464 | 1.25 | 0.06 | 0.00 | 0.13 | 0.05 |
| 65 | 1464 | 5025 | 0.00 | 0.00 | 0.00 | 0.00 | |
| | | | | | | | 0.00 |
| 66 | 5025 | 5026 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 67 | 5023 | 966 | -56.25 | 0.65 | 0.00 | 0.64 | 0.28 |
| 68 | 966 | 1352 | -57.50 | 0.28 | 0.00 | 0.65 | 0.29 |
| 69 | 1352 | 5027 | -58.75 | 0.34 | 0.00 | 0.67 | 0.30 |
| 70 | 5027 | 5030 | 213.13 | 7.08 | 0.00 | 2.42 | 3.25 |
| 71 | 5027 | 5031 | -271.88 | 17.94 | 0.00 | 3.08 | 5.10 |
| 72 | 5031 | 842 | -271.88 | 2.23 | 0.00 | 3.08 | 5.10 |
| 73 | 842 | 847 | -273.13 | 10.57 | 0.00 | 3.10 | 5.14 |
| 74 | 847 | 5028 | -274.38 | 20.28 | 0.00 | 3.11 | 5.19 |
| | | | | | | | |
| 75 | 5028 | 5029 | -281.88 | 0.69 | 0.00 | 3.20 | 5.45 |
| 76 | 5311 | 2205 | 2.50 | 0.00 | 0.00 | 0.26 | 0.18 |
| 77 | 5028 | 2112 | 7.50 | 4.36 | 0.00 | 0.77 | 1.39 |
| 78 | 2112 | 1397 | 6.25 | 2.10 | 0.00 | 0.64 | 0.99 |
| 79 | 1397 | 2147 | 5.00 | 0.80 | 0.00 | 0.51 | 0.66 |
| 80 | 2147 | 7004 | 3.75 | 1.09 | 0.00 | 0.38 | 0.39 |
| 81 | 7004 | 5032 | 2.50 | 0.08 | 0.00 | 0.16 | 0.06 |
| 82 | 5032 | 792 | 1.25 | 0.04 | 0.00 | 0.13 | 0.05 |
| 83 | 5032 | 1884 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 84 | 5029 | 549 | 2.50 | 0.13 | 0.00 | 0.26 | 0.18 |
| 85 | 549 | 1276 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 86 | 5029 | 1293 | -284.38 | 3.98 | 0.00 | 3.23 | 5.54 |
| 89 | 5035 | 5036 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 90 | 5034 | 801 | -127.04 | 10.57 | 0.00 | 3.24 | 8.98 |
| 91 | 801 | 434 | -128.29 | 2.19 | 0.00 | 3.28 | 9.14 |
| 92 | 434 | 5037 | -129.54 | 12.82 | 0.00 | 3.31 | 9.31 |
| 93 | 5037 | 4 | 3.75 | 1.58 | 0.00 | 0.38 | 0.39 |
| 94 | 4 | 5038 | 2.50 | 0.17 | 0.00 | 0.26 | 0.18 |
| 95 | 5038 | 1409 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 96 | 5038 | 474 | 1.25 | 0.04 | 0.00 | 0.13 | 0.05 |
| 97 | 5037 | 5039 | -133.29 | 3.79 | 0.00 | 3.40 | 9.81 |
| 98 | 5039 | 1107 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 98
99 | | 5570 | -134.54 | | 0.00 | | 9.98 |
| | 5039 | | | 21.87 | | 3.43 | |
| 100 | 1467 | 808 | -150.79 | 18.40 | 0.00 | 3.85 | 12.33 |
| 101 | 5041 | 5042 | -153.29 | 38.44 | 0.00 | 3.91 | 12.71 |
| 102 | 5042 | 2009 | -153.29 | 24.46 | 0.00 | 3.91 | 12.71 |
| 103 | 2009 | 2381 | -154.54 | 2.53 | 0.00 | 3.95 | 12.90 |
| 104 | 2381 | 870 | -155.79 | 43.64 | 0.00 | 3.98 | 13.10 |
| 105 | 870 | 5043 | -157.04 | 0.56 | 0.00 | 4.01 | 13.29 |
| 106 | 5043 | 506 | 57.99 | 0.15 | 0.00 | 0.66 | 0.29 |
| 107 | 5043 | 468 | -215.03 | 2.27 | 0.00 | 2.44 | 3.30 |
| 108 | 506 | 5044 | 56.74 | 0.20 | 0.00 | 0.64 | 0.28 |
| | | | | | | | |
| 109 | 5044 | 5054 | 5.00 | 0.26 | 0.00 | 0.51 | 0.66 |
| 110 | 5055 | 2067 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 111 | 5055 | 8060 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 112 | 5044 | 5045 | 51.74 | 0.04 | 0.00 | 0.59 | 0.24 |
| 113 | 5045 | 443 | 47.99 | 0.08 | 0.00 | 0.54 | 0.21 |
| 114 | 443 | 2550 | 46.74 | 0.06 | 0.00 | 0.53 | 0.20 |
| 115 | 2550 | 977 | 45.49 | 0.09 | 0.00 | 0.52 | 0.19 |
| 116 | 9 7 7 | 5046 | 44.24 | 0.52 | 0.00 | 0.50 | 0.18 |
| - | | | | - | - | | |

| 117 | 5046 | 1126 | 2.50 | 0.09 | 0.00 | 0.26 | 0.18 |
|-----|------|------|---------|-------|------|------|------|
| 118 | 1126 | 1646 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | 5047 | | | | | |
| 119 | 5046 | | 41.74 | 0.32 | 0.00 | 0.47 | 0.16 |
| 120 | 5668 | 2539 | 13.75 | 0.02 | 0.00 | 0.16 | 0.02 |
| 121 | 2539 | 917 | 12.50 | 0.01 | 0.00 | 0.14 | 0.02 |
| 122 | 917 | 2480 | 11.25 | 0.00 | 0.00 | 0.13 | 0.01 |
| | | | | | | | |
| 123 | 2480 | 1134 | 10.00 | 0.03 | 0.00 | 0.11 | 0.01 |
| 124 | 1134 | 404 | 8.75 | 0.02 | 0.00 | 0.10 | 0.01 |
| 125 | 404 | 7005 | 7.50 | 0.09 | 0.00 | 0.34 | 0.19 |
| | | | | | | | |
| 126 | 7005 | 7006 | 6.25 | 0.07 | 0.00 | 0.28 | 0.14 |
| 127 | 5045 | 194 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| 128 | 194 | 1434 | 2.50 | 0.10 | 0.00 | 0.26 | 0.18 |
| 129 | 1434 | 715 | 1.25 | 0.05 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 131 | 7006 | 2025 | 5.00 | 0.16 | 0.00 | 0.33 | 0.22 |
| 132 | 2025 | 1885 | 3.75 | 0.15 | 0.00 | 0.25 | 0.13 |
| 133 | 1885 | 1013 | 2.50 | 0.05 | 0.00 | 0.16 | 0.06 |
| 134 | 1013 | 1142 | 1.25 | 0.00 | 0.00 | 0.08 | 0.02 |
| | | 5055 | 3.75 | 0.05 | 0.00 | 0.38 | |
| 135 | 5054 | | | | | | 0.39 |
| 136 | 5055 | 2040 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 137 | 5054 | 8067 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 138 | 468 | 2721 | -216.28 | 0.37 | 0.00 | 2.45 | 3.34 |
| | | | | | | | |
| 139 | 2721 | 2646 | -217.53 | 0.59 | 0.00 | 2.47 | 3.37 |
| 140 | 2646 | 1809 | -218.78 | 0.71 | 0.00 | 2.48 | 3.41 |
| 141 | 1809 | 2337 | -220.03 | 3.84 | 0.00 | 2.50 | 3.45 |
| 142 | 2337 | 795 | -221.28 | 1.44 | 0.00 | 2.51 | 3.48 |
| | | | | 0.06 | | 2.52 | |
| 143 | 795 | 2691 | -222.53 | | 0.00 | | 3.52 |
| 144 | 2691 | 8051 | -223.78 | 7.52 | 0.00 | 2.54 | 3.56 |
| 145 | 8051 | 2043 | -225.03 | 0.26 | 0.00 | 2.55 | 3.59 |
| 146 | 2043 | 2016 | -226.28 | 0.34 | 0.00 | 2.57 | 3.63 |
| 147 | 2016 | 1227 | -227,53 | 1.50 | 0.00 | 2.58 | 3.67 |
| | | | | | | | |
| 148 | 1227 | 5056 | -228.78 | 1.12 | 0.00 | 2.60 | 3.70 |
| 149 | 7007 | 472 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 150 | 5056 | 7007 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 151 | 5056 | 2344 | -231.28 | 1.01 | 0.00 | 2.62 | 3.78 |
| | | | | | | | |
| 152 | 2344 | 2029 | -232.53 | 10.63 | 0.00 | 2.64 | 3.82 |
| 153 | 2029 | 2554 | -233.78 | 5.99 | 0.00 | 2.65 | 3.86 |
| 154 | 2554 | 2203 | -235,03 | 1.32 | 0.00 | 2.67 | 3.89 |
| 155 | 2203 | 1562 | -236.28 | 0.87 | 0.00 | 2.68 | 3.93 |
| | | | | | | | |
| 156 | 1562 | 5048 | -237.53 | 0.37 | 0.00 | 2.70 | 3.97 |
| 158 | 5667 | 1439 | -252.53 | 1.16 | 0.00 | 2.87 | 4.45 |
| 159 | 1439 | 5057 | -253.78 | 0.55 | 0.00 | 2.88 | 4.49 |
| 160 | 5057 | 7008 | -253.78 | 0.11 | 0.00 | 2.88 | 4.49 |
| | 7008 | 595 | -255.03 | 2.64 | 0.00 | 2.89 | 4.53 |
| 161 | | | | | | | |
| 162 | 595 | 956 | -256.28 | 0.80 | 0.00 | 2.91 | 4.57 |
| 163 | 956 | 5049 | -257.53 | 9.56 | 0.00 | 2.92 | 4.61 |
| 164 | 5049 | 1900 | -257.53 | 2.14 | 0.00 | 2.92 | 4.61 |
| 165 | 1900 | 796 | -258.78 | 8.51 | 0.00 | 2.94 | 4.65 |
| | | 5050 | | | | | |
| 166 | 796 | | -260.03 | 1.88 | 0.00 | 2.95 | 4.70 |
| 167 | 5050 | 5051 | 3.75 | 0.07 | 0.00 | 0.25 | 0.13 |
| 168 | 5051 | 5052 | 3.75 | 0.11 | 0.00 | 0.25 | 0.13 |
| 169 | 5052 | 5053 | 3.75 | 0.13 | 0.00 | 0.25 | 0.13 |
| 170 | 5053 | 2699 | 3.75 | 0.10 | 0.00 | 0.25 | 0.13 |
| | | | | | | | |
| 171 | 5058 | 208 | 1.25 | 0.00 | 0.00 | 0.08 | 0.02 |
| 172 | 5058 | 646 | 1.25 | 0.00 | 0.00 | 0.08 | 0.02 |
| 174 | 5059 | 1942 | 2.50 | 0.11 | 0.00 | 0.26 | 0.18 |
| 175 | 1942 | 2061 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 176 | 5059 | 5060 | 12.50 | 0.74 | 0.00 | 0.82 | 1.21 |
| 177 | 5060 | 781 | 2.50 | 7.16 | 0.00 | 1.02 | 5.32 |
| 178 | 781 | 2017 | 1.25 | 0.09 | 0.00 | 0.51 | 1.47 |
| 179 | 5060 | 1006 | 10.00 | 0.17 | 0.00 | 0.65 | 0.80 |
| | | | | | | | |
| 180 | 1006 | 5061 | 8.75 | 2.80 | 0.00 | 0.57 | 0.62 |
| 181 | 5061 | 5062 | 8.75 | 0.51 | 0.00 | 0.57 | 0.62 |
| 182 | 5062 | 495 | 1.25 | 0.45 | 0.00 | 0.51 | 1.47 |
| 183 | 5062 | 5063 | 7.50 | 2.50 | 0.00 | 0.49 | 0.47 |
| 184 | 5063 | 7072 | 2.50 | 1.99 | 0.00 | 1.02 | 5.32 |
| | | | | | | | |
| 185 | 7072 | 2258 | 1.25 | 0.37 | 0.00 | 0.51 | 1.47 |
| 186 | 5063 | 1067 | 5.00 | 0.39 | 0.00 | 0.33 | 0.22 |
| 187 | 1067 | 1231 | 3.75 | 0.25 | 0.00 | 0.25 | 0.13 |
| 188 | 1231 | 1005 | 2.50 | 0.03 | 0.00 | 0.16 | 0.06 |
| | | | | | | | |
| 189 | 1005 | 1578 | 1.25 | 0.01 | 0.00 | 0.08 | 0.02 |
| 190 | 5030 | 423 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |

| 191 | 423 | 5066 | 1.25 | 0.09 | 0.00 | 0.13 | 0.05 |
|-----|--------------|------|--------|------------|------|------|-------|
| 192 | 5066 | 2131 | 1.25 | 0.66 | 0.00 | 0.51 | 1.47 |
| 193 | 5066 | 5067 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | 0.77 | 0.00 | | 3.18 |
| 194 | 5030 | 5068 | 210.63 | | | 2.39 | |
| 195 | 5068 | 2185 | 208.13 | 0.67 | 0.00 | 2.36 | 3.11 |
| 196 | 2185 | 741 | 206.88 | 1.28 | 0.00 | 2.35 | 3.07 |
| 197 | 741 | 414 | 205.63 | 1.31 | 0.00 | 2.33 | 3.04 |
| 198 | 414 | 881 | 204.38 | 0.86 | 0.00 | 2.32 | 3.01 |
| 199 | 881 | 849 | 203.13 | 3.27 | 0.00 | 2.30 | 2.97 |
| 200 | 849 | 347 | 201.88 | 1.14 | 0.00 | 2.29 | 2.94 |
| 201 | 347 | 1472 | 200.63 | 48.98 | 0.00 | 5.12 | 20.92 |
| 202 | 1472 | 5069 | 199.38 | 2.28 | 0.00 | 5.09 | 20.68 |
| 203 | 5069 | 5065 | 199.38 | 96.18 | 0.00 | 5.09 | 20.68 |
| 204 | 5064 | 5065 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 205 | 5068 | 5076 | 2.50 | 1.36 | 0.00 | 0.26 | 0.18 |
| 206 | 5065 | 5070 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | | | | | |
| 207 | 5065 | 5071 | 199.38 | 17.17 | 0.00 | 5.09 | 20.68 |
| 210 | 1232 | 5072 | 83.88 | 0.08 | 0.00 | 0.95 | 0.58 |
| 211 | 5072 | 5073 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 212 | 5073 | 2078 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 213 | 5073 | 1353 | 2.50 | 0.14 | 0.00 | 0.26 | 0.18 |
| 214 | 1353 | 2200 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 215 | 5072 | 5074 | 80.13 | 0.60 | 0.00 | 0.91 | 0.53 |
| 216 | 5074 | 1490 | 80.13 | 0.64 | 0.00 | 0.91 | 0.53 |
| 217 | 1490 | 1716 | 78.88 | 0.02 | 0.00 | 0.89 | 0.52 |
| 218 | 1716 | 517 | 77.63 | 0.27 | 0.00 | 0.88 | 0.50 |
| 219 | 517 | 2623 | 76.38 | 0.63 | 0.00 | 0.87 | 0.49 |
| | 2623 | | | | | 0.85 | |
| 220 | | 5075 | 75.13 | 0.58 | 0.00 | | 0.47 |
| 221 | 5075 | 5077 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 222 | 5077 | 144 | 2.50 | 0.11 | 0.00 | 0.26 | 0.18 |
| 223 | 144 | 466 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 224 | 5075 | 558 | 72.63 | 0.34 | 0.00 | 0.82 | 0.44 |
| 225 | 558 | 130 | 71.38 | 0.52 | 0.00 | 0.81 | 0.43 |
| 226 | 130 | 1049 | 70.13 | 0.10 | 0.00 | 0.80 | 0.41 |
| 227 | 1049 | 5078 | 68.88 | 0.17 | 0.00 | 0.78 | 0.40 |
| 228 | 5078 | 1605 | 18.60 | 0.06 | 0.00 | 0.47 | 0.26 |
| 229 | 1605 | 2256 | 17.35 | 0.10 | 0.00 | 0.44 | 0.22 |
| 230 | 5078 | 5079 | 50.28 | 0.16 | 0.00 | 0.57 | 0.22 |
| 231 | 5079 | 5080 | 20.00 | 0.52 | 0.00 | 0.51 | 0.22 |
| | | | | | | | |
| 232 | 5080 | 5081 | 20.00 | 0.67 | 0.00 | 0.51 | 0.29 |
| 233 | 2256 | 5082 | 16.10 | 0.32 | 0.00 | 0.41 | 0.20 |
| 234 | 5083 | 5084 | 30.00 | 0.35 | 0.00 | 0.77 | 0.62 |
| 235 | 5083 | 5085 | 0.28 | 0.00 | 0.00 | 0.03 | 0.00 |
| 236 | 5085 | 2210 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 237 | 2210 | 1883 | 1.25 | 1.08 | 0.00 | 0.51 | 1.47 |
| 238 | 5085 | 356 | -2.22 | 0.24 | 0.00 | 0.23 | 0.15 |
| 239 | 356 | 7009 | -3.47 | 0.17 | 0.00 | 0.35 | 0.33 |
| 240 | 7009 | 1953 | -4.72 | 0.42 | 0.00 | 0.48 | 0.59 |
| 241 | 5082 | 5086 | 10.13 | 0.04 | 0.00 | 0.26 | 0.08 |
| 242 | 5082 | 1953 | 5,97 | 0.02 | 0.00 | 0.61 | 0.91 |
| | | | | | | | |
| 243 | 5079
5086 | 5083 | 30.28 | 1.17 | 0.00 | 0.77 | 0.63 |
| 244 | 5086 | 5088 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 245 | 5086 | 394 | 10.13 | 0.07 | 0.00 | 0.26 | 0.08 |
| 246 | 394 | 5087 | 8.88 | 0.00 | 0.00 | 0.23 | 0.06 |
| 247 | 5087 | 677 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 248 | 5087 | 1050 | 6.38 | 0.02 | 0.00 | 0.16 | 0.04 |
| 249 | 1050 | 5089 | 5.13 | 0.01 | 0.00 | 0.13 | 0.02 |
| 250 | 677 | 2152 | 1.25 | 0.09 | 0.00 | 0.13 | 0.05 |
| 251 | 5081 | 2028 | 20.00 | 0.30 | 0.00 | 0.51 | 0.29 |
| 252 | 2028 | 1930 | 18.75 | 0.01 | 0.00 | 0.48 | 0.26 |
| 252 | 1930 | 8075 | 17.50 | 0.17 | 0.00 | 0.45 | 0.23 |
| | | | | | | | |
| 254 | 8075 | 2325 | 16.25 | 0.15 | 0.00 | 0.41 | 0.20 |
| 255 | 2325 | 107 | 15.00 | 0.05 | 0.00 | 0.38 | 0.17 |
| 256 | 107 | 106 | 13.75 | 0.03 | 0.00 | 0.35 | 0.15 |
| 257 | 106 | 5090 | 12.50 | 0.22 | 0.00 | 0.32 | 0.12 |
| 258 | 5090 | 745 | 5.00 | 0.05 | 0.00 | 0.51 | 0.66 |
| 259 | 745 | 1056 | 3.75 | 0.25 | 0.00 | 0.38 | 0.39 |
| 260 | 1056 | 2031 | 2.50 | 0.18 | 0.00 | 0.26 | 0.18 |
| 261 | 2031 | 1955 | 1.25 | 0.04 | 0.00 | 0.13 | 0.05 |
| 262 | 5090 | 326 | 7.50 | 0.36 | 0.00 | 0.34 | 0.19 |
| 263 | 326 | 363 | 6.25 | 0.57 | 0.00 | 0.28 | 0.14 |
| | 520 | | | . , | | | |

| 264 | 363 | 2532 | 5.00 | 0.10 | 0.00 | 0.23 | 0.09 |
|--------|------|------|--------|------|------|------|------|
| 265 | 2532 | 7010 | 3.75 | 0.05 | 0.00 | 0.17 | 0.05 |
| 266 | 7010 | 5091 | 2.50 | 0.02 | 0.00 | 0.11 | 0.03 |
| 267 | 5091 | 2316 | 1.25 | 0.05 | 0.00 | 0.13 | 0.05 |
| 268 | 5091 | 5094 | 1.25 | 0.01 | 0.00 | 0.06 | 0.01 |
| 269 | 5094 | 724 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| | | | | | | | |
| 270 | 724 | 5092 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 271 | 5092 | 5093 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 272 | 5084 | 1284 | 30.00 | 0.98 | 0.00 | 0.77 | 0.62 |
| 273 | 1284 | 5095 | 28.75 | 0.46 | 0.00 | 0.73 | 0.57 |
| 274 | 5095 | 408 | 6.25 | 0.04 | 0.00 | 0.41 | 0.33 |
| 275 | 408 | 5096 | 5.00 | 0.22 | 0.00 | 0.33 | 0.22 |
| 276 | | 27 | 1.25 | 0.01 | 0.00 | 0.08 | |
| | 5096 | | | | | | 0.02 |
| 277 | 5096 | 5097 | 3.75 | 1.29 | 0.00 | 0.38 | 0.39 |
| 278 | 5097 | 342 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 279 | 342 | 1675 | 2.50 | 3.14 | 0.00 | 1.02 | 5.32 |
| 280 | 1675 | 8032 | 1.25 | 0.06 | 0.00 | 0.51 | 1.47 |
| 281 | 5095 | 1484 | 22.50 | 0.81 | 0.00 | 1.02 | 1.48 |
| 282 | 1484 | 5098 | 21.25 | 0.67 | 0.00 | 0.96 | 1.33 |
| 283 | 5098 | 7011 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 284 | 7011 | 1386 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 285 | 5098 | 5099 | 18.75 | 1.75 | 0.00 | 0.85 | 1.05 |
| 286 | 5099 | 751 | 18.75 | 1.79 | 0.00 | 0.85 | 1.05 |
| 287 | 5100 | 5101 | 3.75 | 0.33 | 0.00 | 0.25 | 0.13 |
| 288 | 5101 | 8043 | 3.75 | 0.36 | 0.00 | 0.38 | 0.39 |
| 289 | 8043 | 1036 | 2.50 | 0.13 | 0.00 | 0.26 | 0.18 |
| 290 | 1036 | 2314 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 291 | 751 | 5100 | 17.50 | 2.08 | 0.00 | 0.79 | 0.93 |
| 292 | 5100 | 7012 | 13.75 | 0.08 | 0.00 | 0.62 | 0.59 |
| 293 | 7012 | 2094 | 12.50 | 0.26 | 0.00 | 0.57 | 0.50 |
| 294 | 2094 | 2355 | 11.25 | 0.10 | 0.00 | 0.51 | 0.41 |
| 295 | 2355 | 5102 | 10.00 | 0.15 | 0.00 | 0.45 | 0.33 |
| 296 | 5102 | 5103 | 10.00 | 0.33 | 0.00 | 0.45 | 0.33 |
| | 1899 | 669 | 2.50 | 1.09 | | | |
| 297 | | | | | 0.00 | 0.26 | 0.18 |
| 298 | 669 | 582 | 1.25 | 0.08 | 0.00 | 0.13 | 0.05 |
| 299 | 5103 | 1480 | 6.25 | 0.27 | 0.00 | 0.41 | 0.33 |
| 300 | 5103 | 5104 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 301 | 5104 | 1899 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 302 | 1480 | 5105 | 5.00 | 0.17 | 0.00 | 0.33 | 0.22 |
| 303 | 5105 | 5106 | 5.00 | 0.31 | 0.00 | 0.33 | 0.22 |
| 304 | 5106 | 2322 | 5.00 | 0.63 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 305 | 2322 | 1035 | 3.75 | 0.05 | 0.00 | 0.38 | 0.39 |
| 306 | 1035 | 670 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 307 | 670 | 2395 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 308-XX | 5104 | 2659 | | | | | |
| 309 | 2659 | 1966 | -1.25 | 0.01 | 0.00 | 0.23 | 0.20 |
| 310 | 1966 | 5108 | -2.50 | 2.12 | 0.00 | 0.45 | 0.74 |
| 311 | 5108 | 712 | -2.50 | 0.58 | 0.00 | 0.26 | 0.18 |
| 312 | 712 | 1254 | -3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| | | | | | | | |
| 313 | 1254 | 1422 | -5.00 | 1.32 | 0.00 | 0.51 | 0.66 |
| 314 | 1422 | 2272 | -6.25 | 0.09 | 0.00 | 0.64 | 0.99 |
| 315 | 2272 | 1166 | -7.50 | 0.01 | 0.00 | 0.19 | 0.05 |
| 316 | 1166 | 57 | -8.75 | 0.03 | 0.00 | 0.22 | 0.06 |
| 317 | 57 | 2234 | -10.00 | 0.03 | 0.00 | 0.26 | 0.08 |
| 318 | 2234 | 684 | -11.25 | 0.03 | 0.00 | 0.29 | 0.10 |
| 319 | 684 | 5107 | -12,50 | 0.12 | 0.00 | 0.32 | 0.12 |
| | | 1324 | 7.50 | 0.09 | | | 1.39 |
| 320 | 5107 | | | | 0.00 | 0.77 | |
| 321 | 1324 | 2252 | 6.25 | 0.23 | 0.00 | 0.64 | 0.99 |
| 322 | 2252 | 8047 | 5.00 | 0.02 | 0.00 | 0.51 | 0.66 |
| 323 | 8047 | 872 | 3.75 | 0.05 | 0.00 | 0.38 | 0.39 |
| 324 | 872 | 1193 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 325 | 1193 | 2443 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 326 | 7013 | 1365 | 1.25 | 0.03 | 0.00 | 0.23 | 0.20 |
| | | | -20.00 | 0.01 | | | |
| 327 | 5107 | 5109 | | | 0.00 | 0.51 | 0.29 |
| 328 | 5109 | 5110 | 6.25 | 0.00 | 0.00 | 0.16 | 0.03 |
| 329 | 5109 | 5111 | -26.25 | 0.15 | 0.00 | 0.67 | 0.48 |
| 330 | 5111 | 1237 | 2.50 | 0.01 | 0.00 | 0.11 | 0.03 |
| 331 | 1237 | 1179 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 332 | 5110 | 5326 | 3.75 | 0.25 | 0.00 | 0.68 | 1.56 |
| 333 | 5112 | 7014 | 33.75 | 0.03 | 0.00 | 0.38 | 0.11 |
| | 5111 | 1621 | -28.75 | 0.18 | 0.00 | 0.73 | 0.57 |
| 334 | 111 | 1021 | -40.75 | 0.10 | 0.00 | 0.73 | 0.57 |

| 335 | 1621 | 426 | -30.00 | 0.12 | 0.00 | 0.77 | 0.62 |
|--------|------|------|--------|--------------|------|--------------|--------------|
| 336 | 426 | 8001 | -31.25 | 0.11 | 0.00 | 0.80 | 0.67 |
| 337 | 8001 | 5113 | -32.50 | 0.12 | 0.00 | 0.83 | 0.72 |
| 338 | 7014 | 5114 | 32.50 | 0.07 | 0.00 | 0.37 | 0.10 |
| 339-XX | 5113 | 5114 | 32.30 | 0.07 | 0.00 | 0.37 | 0.10 |
| | | | 22 50 | 0.04 | 0 00 | 0.00 | 0 70 |
| 340 | 5114 | 5115 | 32.50 | 0.04 | 0.00 | 0.83 | 0.72 |
| 341 | 5115 | 2546 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 342 | 5115 | 1534 | 31.25 | 0.05 | 0.00 | 0.80 | 0.67 |
| 343 | 1534 | 1060 | 30.00 | 0.04 | 0.00 | 0.77 | 0.62 |
| 344 | 5112 | 5261 | -33.75 | 0.03 | 0.00 | 0.38 | 0.11 |
| 345 | 5110 | 7013 | 2.50 | 0.01 | 0.00 | 0.45 | 0.74 |
| 346 | 5113 | 2529 | -32.50 | 0.19 | 0.00 | 0.83 | 0.72 |
| 347 | 2529 | 1255 | -33.75 | 0.13 | 0.00 | 0.86 | 0.77 |
| 348 | 1255 | 5116 | -35.00 | 0.10 | 0.00 | 0.89 | 0.82 |
| 349 | 5116 | 612 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 350 | 612 | 1410 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 351 | 5116 | 5117 | 6.25 | 0.00 | 0.00 | 0.16 | 0.03 |
| 352 | 5117 | 569 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 353 | 5117 | 1253 | 5.00 | | | | |
| | | | | 2.86 | 0.00 | 2.04 | 19.19 |
| 354 | 1253 | 1905 | 3.75 | 1.01 | 0.00 | 1.53 | 11.27 |
| 355 | 1905 | 2672 | 2.50 | 1.22 | 0.00 | 1.02 | 5.32 |
| 356 | 2672 | 680 | 1.25 | 1.06 | 0.00 | 0.51 | 1.47 |
| 357 | 5116 | 676 | -43.75 | 0.23 | 0.00 | 1.12 | 1.25 |
| 358 | 676 | 379 | -45.00 | 0.06 | 0.00 | 1.15 | 1.31 |
| 359 | 379 | 694 | -46.25 | 0.74 | 0.00 | 1.18 | 1.38 |
| 360 | 694 | 832 | -47.50 | 0.21 | 0.00 | 1.21 | 1.45 |
| 361 | 832 | 5118 | -48.75 | 0.14 | 0.00 | 1.24 | 1.52 |
| 362 | 5118 | 2715 | 6.25 | 0.01 | 0.00 | 0.16 | 0.03 |
| 363 | 5114 | J-18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 364 | 5118 | 7015 | -55.00 | 0.23 | 0.00 | 1.40 | 1.90 |
| 365 | 7015 | 5119 | -56.25 | 0.45 | 0.00 | 1.44 | 1.99 |
| 366 | 5119 | 5121 | 2.50 | 0.00 | 0.00 | 0.03 | 0.00 |
| 368 | 5121 | 435 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 369 | 435 | 2072 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 370 | 5119 | 1403 | 133.75 | | | | |
| | | | | 0.24 | 0.00 | 1.52 | 1.37 |
| 371 | 1403 | 1987 | 132.50 | 0.11 | 0.00 | 1.50 | 1.35 |
| 372 | 1987 | 1986 | 131.25 | 0.03 | 0.00 | 1.49 | 1.32 |
| 374 | 2062 | J-3 | -1.25 | 0.02 | 0.00 | 0.23 | 0.20 |
| 375 | 1369 | 7412 | 7.50 | 0.11 | 0.00 | 1.36 | 5.65 |
| 376 | 7412 | 1835 | 6.25 | 0.37 | 0.00 | 1.13 | 4.03 |
| 377 | 1835 | 5122 | 5.00 | 0.29 | 0.00 | 0.91 | 2.66 |
| 378 | 5122 | 1937 | 5.00 | 0.18 | 0.00 | 0.91 | 2.66 |
| 379 | 1937 | 1829 | 3.75 | 0.22 | 0.00 | 0.68 | 1.56 |
| 380 | 1829 | 1973 | 2.50 | 0.23 | 0.00 | 0.45 | 0.74 |
| 381 | 1973 | 2006 | 1.25 | 0.02 | 0.00 | 0.23 | 0.20 |
| 382 | 2715 | 2628 | 5.00 | 0.00 | 0.00 | 0.13 | 0.02 |
| 383 | 2628 | 378 | 3.75 | 0.00 | 0.00 | 0.10 | 0.01 |
| 384 | 378 | 1635 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 385 | 1635 | 187 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 386 | 5132 | 583 | 2.50 | 0.10 | 0.00 | 0.45 | 0.74 |
| 387 | 583 | 838 | 1.25 | 0.01 | 0.00 | 0.23 | 0.20 |
| 388 | 5132 | 5131 | 127.50 | 0.50 | 0.00 | 1.45 | 1.25 |
| 389 | 5132 | 5130 | 111.25 | | 0.00 | | |
| 390 | 5131 | 5129 | 30.00 | 0.03
0.10 | 0.00 | 1.26
0.77 | 0.97
0.62 |
| | | | | | | | |
| 391 | 5129 | 971 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 392 | 971 | 7018 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 393 | 5129 | 5128 | 27.50 | 0.15 | 0.00 | 0.70 | 0.53 |
| 394 | 5128 | 2414 | 3.75 | 0.17 | 0.00 | 0.68 | 1.56 |
| 395 | 2414 | 928 | 2.50 | 0.17 | 0.00 | 0.45 | 0.74 |
| 396 | 928 | 1413 | 1.25 | 0.02 | 0.00 | 0.23 | 0.20 |
| 397 | 5128 | 1521 | 23.75 | 1.27 | 0.00 | 2.43 | 11.76 |
| 398 | 1521 | 5125 | 22.50 | 2.53 | 0.00 | 2.30 | 10.64 |
| 399 | 5125 | 1140 | 12.50 | 0.74 | 0.00 | 1.28 | 3.58 |
| 400 | 1140 | 5124 | 11,25 | 0.16 | 0.00 | 1.15 | 2.95 |
| 401 | 5124 | 5123 | 8.75 | 0.21 | 0.00 | 0.89 | 1.85 |
| 402 | 5123 | 455 | 7.50 | 0.12 | 0.00 | 0.77 | 1.39 |
| 403 | 5123 | 2232 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 404 | 455 | 2453 | 6.25 | 0.30 | 0.00 | | |
| | | | | | | 0.64 | 0.99 |
| 405 | 2453 | 696 | 5.00 | 0.02 | 0.00 | 0.51 | 0.66 |
| 406 | 696 | 8064 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 407 | 8064 | 7016 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |

| 408 | 7016 | 2276 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
|--------|------|------|--------|-------|------|------|------|
| 409 | 5124 | 952 | 2.50 | 0.13 | 0.00 | 0.45 | 0.74 |
| 410 | 952 | 2345 | 1.25 | 0.05 | 0.00 | 0.23 | 0.20 |
| 411 | 5125 | 573 | 10.00 | 0.36 | 0.00 | | |
| | | | | | | 1.02 | 2.37 |
| 412 | 573 | 575 | 8.75 | 0.06 | 0.00 | 0.89 | 1.85 |
| 413 | 575 | 5126 | 7.50 | 0.12 | 0.00 | 0.77 | 1.39 |
| 414 | 5126 | 2399 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 415 | 2399 | 2269 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 416 | 5126 | 5127 | 5.00 | 0.04 | 0.00 | 0.51 | 0.66 |
| 417 | 5127 | 1571 | 2.50 | 0.02 | 0.00 | 0.26 | |
| | | | | | | | 0.18 |
| 418 | 1571 | 7017 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 419 | 5127 | 2710 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 420 | 2710 | 8069 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 421 | 5119 | 5120 | 10.00 | 0.00 | 0.00 | 0.26 | 0.08 |
| 422 | 1986 | 5132 | 130.00 | 0.11 | 0.00 | 1.48 | 1.30 |
| 423 | 5131 | 7019 | 16.25 | 1.17 | 0.00 | 1.66 | 5.82 |
| | | | 15.00 | | | | |
| 424 | 7019 | 7020 | | 0.65 | 0.00 | 1.53 | 5.02 |
| 425 | 7020 | 7021 | 13.75 | 0.54 | 0.00 | 1.40 | 4.27 |
| 426 | 7021 | 2356 | 12.50 | 0.10 | 0.00 | 1.28 | 3.58 |
| 427 | 2356 | 5133 | 11.25 | 0.46 | 0.00 | 1.15 | 2.95 |
| 428 | 5133 | 1431 | 6.25 | 0.52 | 0.00 | 1.13 | 4.03 |
| 429 | 1431 | 465 | 5.00 | 0.25 | 0.00 | 0.91 | 2.66 |
| 430 | 465 | 5134 | 3.75 | 0.05 | 0.00 | 0.68 | |
| | | | | | | | 1.56 |
| 431 | 5134 | 1811 | 3,75 | 0.09 | 0.00 | 0.68 | 1.56 |
| 432 | 1811 | 1435 | 2.50 | 0.14 | 0.00 | 0.45 | 0.74 |
| 433 | 1435 | 2118 | 1.25 | 0.01 | 0.00 | 0.23 | 0.20 |
| 434 | 5133 | 530 | 5.00 | 0.84 | 0.00 | 0.91 | 2.66 |
| 435 | 530 | 1089 | 3.75 | 0.32 | 0.00 | 0.68 | 1.56 |
| 436 | 1089 | 5135 | 2.50 | 0.22 | 0.00 | 0.45 | 0.74 |
| 437 | 5135 | 579 | 2.50 | 0.52 | 0.00 | 0.45 | |
| | | | | | | | 0.74 |
| 438 | 579 | 2694 | 1.25 | 0.00 | 0.00 | 0.23 | 0.20 |
| 439 | 5130 | 2436 | 81.25 | 0.62 | 0.00 | 2.07 | 3.92 |
| 440 | 2436 | 1351 | 80.00 | 1.15 | 0.00 | 2.04 | 3.81 |
| 441 | 1351 | 2580 | 78.75 | 0.69 | 0.00 | 2.01 | 3.70 |
| 442 | 2580 | 7022 | 77.50 | 1.16 | 0.00 | 1.98 | 3.59 |
| 443 | 7022 | 1273 | 76.25 | 0.72 | 0.00 | 1.95 | 3.49 |
| 444 | | 5136 | 75.00 | 0.29 | | | |
| | 1273 | | | | 0.00 | 1.91 | 3.38 |
| 445 | 5136 | 5137 | 15.00 | 0.08 | 0.00 | 0.38 | 0.17 |
| 446-XX | 5137 | 5138 | | | | | |
| 447 | 5138 | 1251 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 448 | 1251 | 2679 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 449 | 5138 | 189 | 21.25 | 0.91 | 0.00 | 2.17 | 9.57 |
| 450 | 189 | 398 | 20.00 | 0.78 | 0.00 | 2.04 | 8.55 |
| 451 | 398 | 1378 | 18.75 | 2.57 | 0.00 | 1.91 | 7.59 |
| | | 5139 | | | | | |
| 452 | 5137 | | 15.00 | 1.54 | 0.00 | 1.53 | 5.02 |
| 453 | 5139 | 5140 | 15.00 | 0.43 | 0.00 | 1.53 | 5.02 |
| 454 | 5140 | 1418 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 455 | 5140 | 554 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 456 | 5140 | 452 | 8.75 | 0.06 | 0.00 | 0.89 | 1.85 |
| 457 | 5140 | 2223 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 458 | 2223 | 1256 | 2.50 | 0.27 | 0.00 | 0.45 | 0.74 |
| 459 | 1256 | 2217 | 1.25 | 0.06 | 0.00 | | |
| | | | | | 0.00 | 0.23 | 0.20 |
| 460 | 1378 | 1564 | 17.50 | 1.72 | | 1.79 | 6.68 |
| 461 | 1564 | 2521 | 16.25 | 7.91 | 0.00 | 1.66 | 5.82 |
| 462 | 2521 | 914 | 15.00 | 3.03 | 0.00 | 1.53 | 5.02 |
| 463 | 1714 | 723 | 12.50 | 0.09 | 0.00 | 1.28 | 3.58 |
| 464 | 914 | 1714 | 13.75 | 3.79 | 0.00 | 1.40 | 4.27 |
| 465 | 8072 | 5141 | 10.00 | 13.51 | 0.00 | 1.82 | 9.62 |
| 466 | 5141 | 941 | 10.00 | 3.61 | 0.00 | 1.82 | 9.62 |
| | | | | | | | |
| 467 | 941 | 1079 | 8.75 | 0.23 | 0.00 | 1.59 | 7.51 |
| 468 | 723 | 8072 | 11.25 | 1.02 | 0.00 | 1.15 | 2.95 |
| 469 | 1079 | 5152 | 7.50 | 4.51 | 0.00 | 1.36 | 5.65 |
| 470 | 1529 | 1756 | 1.25 | 0.01 | 0.00 | 0.23 | 0.20 |
| 471 | 5152 | 1069 | 5.00 | 0.51 | 0.00 | 0.91 | 2.66 |
| 472 | 1069 | 5153 | 3.75 | 1.72 | 0.00 | 0.68 | 1.56 |
| 473 | | 2115 | 1.25 | 0.00 | | | |
| | 2324 | | | | 0.00 | 0.23 | 0.20 |
| 474 | 5153 | 965 | 1.25 | 0.05 | 0.00 | 0.23 | 0.20 |
| 475 | 452 | 7023 | 7.50 | 0.54 | 0.00 | 0.77 | 1.39 |
| 476 | 7023 | 5143 | 6.25 | 0.39 | 0.00 | 0.64 | 0.99 |
| 477 | 5143 | 1202 | 6.25 | 0.03 | 0.00 | 0.64 | 0.99 |
| | | | | | | | |
| 478 | 1202 | 5144 | 5.00 | 0.05 | 0.00 | 0.51 | 0.66 |

| 479 | 5144 | 5151 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
|-----------------|------|------|--------|------|------|------|-------|
| 480 | 1285 | 1414 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 481 | 5144 | 2052 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 482 | 2052 | 2724 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 483 | 5136 | 5145 | 33.75 | 0.02 | 0.00 | 0.86 | 0.77 |
| 484 | 5145 | 7024 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 485 | 7024 | 2706 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 486 | 5145 | 1258 | 31.25 | 0.14 | 0.00 | 0.80 | 0.67 |
| 487 | 1258 | 1595 | 30.00 | 0.13 | 0.00 | 0.77 | 0.62 |
| 488 | 5149 | 5146 | 23.75 | 0.13 | 0.00 | 0.61 | 0.40 |
| | | | | | | | |
| 489 | 5148 | 7026 | 18.75 | 0.11 | 0.00 | 0.48 | 0.26 |
| 490 | 7026 | 1717 | 17.50 | 0.06 | 0.00 | 0.45 | 0.23 |
| 491 | 1717 | 5147 | 16.25 | 0.04 | 0.00 | 0.41 | 0.20 |
| 492 | 5147 | 2341 | 5.00 | 0.30 | 0.00 | 0.51 | 0.66 |
| 493 | 2341 | 2459 | 3.75 | 1.10 | 0.00 | 0.68 | 1.56 |
| 494 | 2459 | 1367 | 2.50 | 0.13 | 0.00 | 0.45 | 0.74 |
| | | | | | | | |
| 495 | 1367 | 1320 | 1.25 | 0.17 | 0.00 | 0.23 | 0.20 |
| 496 | 5147 | 7027 | 10.00 | 0.83 | 0.00 | 1.82 | 9.62 |
| 497 | 7027 | 2244 | 8.75 | 0.21 | 0.00 | 1.59 | 7.51 |
| 498 | 2244 | 673 | 7.50 | 2.36 | 0.00 | 1.36 | 5.65 |
| 499 | 673 | 1553 | 6.25 | 0.48 | 0.00 | 1.13 | 4.03 |
| 500 | 412 | 1553 | -5.00 | 0.14 | 0.00 | 0.91 | 2.66 |
| | | | | | | | |
| 501 | 412 | 454 | 3.75 | 0.20 | 0.00 | 0.68 | 1.56 |
| 502 | 454 | 439 | 2.50 | 0.42 | 0.00 | 0.45 | 0.74 |
| 503 | 439 | 1090 | 1.25 | 0.06 | 0.00 | 0.23 | 0.20 |
| 504 | 5146 | 5148 | 23.75 | 0.22 | 0.00 | 0.61 | 0.40 |
| 505 | 1595 | 5149 | 28.75 | 0.04 | 0.00 | 0.73 | 0.57 |
| 506 | 7025 | 581 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| | | | | | | | |
| 507 | 5149 | 7025 | 5.00 | 0.00 | 0.00 | 0.13 | 0.02 |
| 508 | 7025 | 1130 | 2.50 | 0.01 | 0.00 | 0.06 | 0.01 |
| 50 9 | 1130 | 2633 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 510 | 5148 | 1576 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 511 | 5148 | 5150 | 3.75 | 0.00 | 0.00 | 0.10 | 0.01 |
| 512 | 5150 | 873 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| | | 750 | 1.25 | | | | |
| 513 | 5150 | | | 0.00 | 0.00 | 0.03 | 0.00 |
| 514 | 5150 | 8005 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 515 | 5147 | 1002 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 516 | 5138 | 2444 | -23.75 | 3.93 | 0.00 | 2.43 | 11.76 |
| 517 | 5334 | 1436 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 518 | 5151 | 1285 | 2.50 | 0.00 | 0.00 | 0.26 | 0.18 |
| 519 | 5152 | 1529 | 2.50 | 0.35 | 0.00 | 0.45 | 0.74 |
| | | | | | | | |
| 521 | 5153 | 2324 | 2.50 | 0.10 | 0.00 | 0.45 | 0.74 |
| 522 | 1294 | 2427 | -1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 523 | 2427 | 1940 | -2.50 | 0.13 | 0.00 | 0.26 | 0.18 |
| 524 | 1940 | 732 | -3.75 | 0.59 | 0.00 | 0.38 | 0.39 |
| 525 | 732 | 5142 | -5.00 | 1.09 | 0.00 | 0.51 | 0.66 |
| 526 | 5142 | 5154 | -5.00 | 0.57 | 0.00 | 0.51 | 0.66 |
| 527 | 5154 | 5155 | -5.00 | 0.30 | 0.00 | 0.33 | 0.22 |
| | | | | 0.04 | | | |
| 528 | 5155 | 155 | 1.25 | | 0.00 | 0.13 | 0.05 |
| 529 | 5155 | 748 | -6.25 | 0.35 | 0.00 | 0.41 | 0.33 |
| 530 | 748 | 5156 | -7.50 | 0.43 | 0.00 | 0.49 | 0.47 |
| 531 | 5156 | 1488 | -7.50 | 0.34 | 0.00 | 0.34 | 0.19 |
| 532 | 1488 | 5157 | -8.75 | 0.13 | 0.00 | 0.40 | 0.26 |
| 533 | 5157 | 1391 | -8.75 | 0.02 | 0.00 | 0.40 | 0.26 |
| 534 | 1391 | 1275 | -10.00 | 0.52 | 0.00 | 0.45 | 0.33 |
| | | | | | | | |
| 535 | 1275 | 1153 | -11.25 | 0.96 | 0.00 | 0.51 | 0.41 |
| 536 | 1153 | 1957 | -12.50 | 1.27 | 0.00 | 0.57 | 0.50 |
| 537 | 1957 | 206 | -13.75 | 0.20 | 0.00 | 0.62 | 0.59 |
| 538 | 206 | 1317 | -15.00 | 0.32 | 0.00 | 0.68 | 0.70 |
| 539 | 1317 | 2222 | -16.25 | 0.48 | 0.00 | 0.74 | 0.81 |
| 540 | 2222 | 853 | -17.50 | 0.05 | 0.00 | 0.79 | 0.93 |
| | | | | | | | |
| 541 | 853 | 5158 | -18.75 | 2.61 | 0.00 | 0.85 | 1.05 |
| 542 | 5158 | 5159 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 543 | 5159 | 5160 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 544 | 5158 | 747 | -18.75 | 0.51 | 0.00 | 0.85 | 1.05 |
| 545 | 747 | 1244 | -20.00 | 0.72 | 0.00 | 0.91 | 1.19 |
| 546 | 1244 | 5161 | -21.25 | 2.16 | 0.00 | 0.96 | 1.33 |
| | | | | | | | |
| 547 | 5161 | 5162 | -21.25 | 4.75 | 0.00 | 0.96 | 1.33 |
| 548 | 5162 | 697 | 3.75 | 0.54 | 0.00 | 0.38 | 0.39 |
| 549 | 697 | 618 | 2.50 | 0.29 | 0.00 | 0.26 | 0.18 |
| 550 | 618 | 1651 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |

| 551 | 5162 | 1380 | -25.00 | 0.18 | 0.00 | 0.64 | 0.44 |
|------------|--------------|--------------|----------------|--------------|------|--------------|--------------|
| 552 | 1380 | 185 | -26.25 | 0.80 | 0.00 | 0.67 | 0.48 |
| 553 | 185 | 1323 | -27.50 | 0.48 | 0.00 | 0.70 | 0.53 |
| 554 | 1323 | 5163 | -28.75 | 0.83 | 0.00 | 0.73 | 0.57 |
| 555 | 5163 | 5164 | -28.75 | 1.08 | 0.00 | 0.73 | 0.57 |
| 556 | 5164 | 890 | -28.75 | 0.58 | 0.00 | 0.73 | 0.57 |
| 557 | 890 | 5165 | -30.00 | 2.49 | 0.00 | 0.77 | 0.62 |
| 558 | 5165 | 5166 | -140.00 | 0.86 | 0.00 | 3.57 | 10.75 |
| 559 | 5166 | 5167 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 560 | 5166 | 5168 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 561 | 5166 | 5169 | -140.00 | 1.28 | 0.00 | 1.59 | 1.49 |
| 562 | 5169 | 5170 | -140.00 | 1.18 | 0.00 | 1.59 | 1.49 |
| 563 | 5170 | 984 | -140.00 | 4.49 | 0.00 | 1.59 | 1.49 |
| 564 | 984 | 620 | -141.25 | 0.41 | 0.00 | 1.60 | 1.52 |
| 565 | 620 | 5171 | -142.50 | 0.16 | 0.00 | 1.62 | 1.54 |
| 566 | 5165 | 1387 | 110.00 | 14.93 | 0.00 | 2.81 | 6.87 |
| 567 | 1387 | 1388 | 108.75 | 0.61 | 0.00 | 2.78 | 6.73 |
| 568 | 1388 | 1689 | 107.50 | 2.31 | 0.00 | 2.74 | 6.59 |
| 569 | 1689 | 5172 | 106.25 | 0.90 | 0.00 | 2.71 | 6.45 |
| 570 | 5172 | 112 | 3.75 | 1.46 | 0.00 | 1.53 | 11.27 |
| 571 | 112 | 1681 | 2.50 | 0.78 | 0.00 | 1.02 | 5.32 |
| 572 | 1681 | 1818 | 1.25 | 0.14 | 0.00 | 0.51 | 1.47 |
| 573 | 5173 | 1959 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 574 | 5174 | 5175 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 575 | 5174 | 672 | 101.25 | 2.14 | 0.00 | 2.58 | 5.90 |
| 576 | 672 | 2253 | 100.00 | 1.45 | 0.00 | 2.55 | 5.76 |
| 577 | 5173 | 5174 | 101.25 | 0.47 | 0.00 | 2.58 | 5.90 |
| 578 | 5172 | 5173 | 102.50 | 14.55 | 0.00 | 2.62 | 6.03 |
| 579 | 2253 | 5176 | 98.75 | 1.01 | 0.00 | 2.52 | 5.63 |
| 580 | 5176 | 1427 | 12.50 | 1.35 | 0.00 | 1.28 | 3.58 |
| 581 | 1427 | 1408 | 11.25 | 0.39 | 0.00 | 1.15 | 2.95 |
| 582 | 1408 | 5177 | 10.00 | 1.16 | 0.00 | 1.02 | 2.37 |
| 583 | 5177 | 656 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 584 | 5177 | 651 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 585 | 5177 | 1383 | 7.50 | 0.22 | 0.00 | 0.77 | 1.39 |
| 586 | 1383 | 1504 | 6.25 | 0.07 | 0.00 | 0.64 | 0.99 |
| 587 | 1504 | 1382 | 5.00 | 0.89 | 0.00 | 0.51 | 0.66 |
| 588 | 1382 | 2247 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 589 | 2247 | 7028 | 2.50 | 0.32 | 0.00 | 0.26 | 0.18 |
| 590 | 7028 | 1189 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 591 | 5176 | 5179 | 86.25 | 0.14 | 0.00 | 2.20 | 4.38 |
| 592 | 5179 | 5178 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 593 | 5179 | 728 | 86.25 | 1.56 | 0.00 | 2.20 | 4.38 |
| 594 | 728 | 5180 | 85.00 | 2.70 | 0.00 | 2.17 | 4.26 |
| 595 | 5180 | 5181 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 596 | 5180 | 5182 | 85.00 | 1.69 | 0.00 | 2.17 | 4.26 |
| 597 | 5182 | 267 | 3.75 | 0.54 | 0.00 | 0.38 | 0.39 |
| 598 | 267 | 1906 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 599 | 1906 | 2190 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 600 | 5182 | 5183 | 81.25 | 1.51 | 0.00 | 2.07 | 3.92 |
| 601 | 5183 | 5184 | 80.00 | 0.11 | 0.00 | 2.04 | 3.81 |
| 602 | 5184 | 1745 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 603 | 1745 | 406 | 2.50 | 2.08 | 0.00 | 1.02 | 5.32 |
| 604 | 406 | 2228 | 1.25 | 0.81 | 0.00 | 0.51 | 1.47 |
| 605 | 5183 | 81 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 606 | 5184 | 5185 | 76.25 | 2.71 | 0.00 | 1.95 | 3.49 |
| 607 | 5185 | 5186 | 16.25 | 0.02 | 0.00 | 1.06 | 1.96 |
| 608 | 5185 | 7029 | 6.25 | 0.15 | 0.00 | 0.64 | 0.99 |
| 609 | 7029 | 933
5187 | 5.00 | 0.06
0.02 | 0.00 | 0.51 | 0.66 |
| 610 | 933 | | 3.75 | | 0.00 | 0.38 | 0.39 |
| 611 | 5187 | 1201 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 612 | 1201 | 94
742 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 613 | 5187
5186 | 742 | 1.25 | | | 0.13 | 0.05 |
| 614 | 5186
5185 | 2578 | 16.25
53.75 | 0.77 | 0.00 | 1.06 | 1.96 |
| 615 | 5185
5188 | 5188
7030 | | 1.63 | 0.00 | 1.37 | 1.83 |
| 616
617 | | 294 | 2.50
1.25 | 0.00
0.57 | 0.00 | 0.06
0.51 | 0.01
1.47 |
| 618 | 7030
2578 | 1364 | 1.25 | 1.63 | 0.00 | 0.51 | 1.47 |
| 619 | 2578
1364 | 1364
5189 | 13.75 | 1.63 | 0.00 | 0.98 | 1.69 |
| 620 | 5188 | 502 | 51.25 | 1.13 | 0.00 | 1.31 | |
| 620
621 | 1205 | 502
688 | 7.50 | 0.84 | 0.00 | 0.77 | 1.67
1.39 |
| 041 | 1405 | 900 | 7.50 | J. 04 | 0.00 | J. // | 1.39 |

| 622 | 688 | 5190 | 6.25 | 0.33 | 0.00 | 0.64 | 0.99 |
|-----|------|------|--------|------|------|------|-------|
| | | | | | | | |
| 623 | 5189 | 1684 | 5.00 | 0.08 | 0.00 | 0.51 | 0.66 |
| 624 | 1684 | 1685 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 625 | 1685 | 234 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 626 | 234 | 565 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 627 | 5189 | 1205 | 8.75 | 0.10 | 0.00 | 0.89 | 1.85 |
| 628 | 502 | 7031 | 50.00 | 3.60 | 0.00 | 1.28 | 1.60 |
| | | | | | | | |
| 629 | 7031 | 1744 | 48.75 | 0.28 | 0.00 | 1.24 | 1.52 |
| 630 | 1744 | 1774 | 47.50 | 1.17 | 0.00 | 1.21 | 1.45 |
| 631 | 1774 | 2091 | 46.25 | 1.00 | 0.00 | 1.18 | 1.38 |
| | | | | | | | |
| 632 | 5192 | 5191 | -43.75 | 0.19 | 0.00 | 1.12 | 1.25 |
| 633 | 5191 | 2091 | -45.00 | 0.07 | 0.00 | 1.15 | 1.31 |
| 634 | 5191 | 7032 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 635 | 5192 | 5193 | 43.75 | 1.93 | 0.00 | 1.12 | 1.25 |
| 636 | 5193 | 1752 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 637 | 1752 | 2426 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 638 | 2426 | 1751 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 639 | 5193 | 5194 | 40.00 | 9.88 | 0.00 | 1.02 | 1.06 |
| 640 | 5194 | 5195 | 31.25 | 0.19 | 0.00 | 1.42 | 2.71 |
| | | | | | | | |
| 641 | 5194 | 2490 | 8.75 | 1.22 | 0.00 | 0.57 | 0.62 |
| 642 | 2490 | 1747 | 7.50 | 0.08 | 0.00 | 0.49 | 0.47 |
| 643 | 1747 | 5196 | 6.25 | 0.99 | 0.00 | 0.64 | 0.99 |
| 644 | 5196 | 5197 | 2.50 | 0.01 | | | 0.18 |
| | | | | | 0.00 | 0.26 | |
| 645 | 5197 | 1291 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 646 | 5197 | 7033 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | 1741 | | | | | |
| 647 | 5196 | | 3.75 | 0.17 | 0.00 | 0.38 | 0.39 |
| 648 | 1741 | 653 | 2.50 | 0.28 | 0.00 | 0.26 | 0.18 |
| 649 | 653 | 1755 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 650 | 5195 | 2688 | 31.25 | 1.51 | 0.00 | | 2.71 |
| | | | | | | 1.42 | |
| 651 | 2688 | 1749 | 30.00 | 1.59 | 0.00 | 1.36 | 2.52 |
| 652 | 1749 | 1748 | 28.75 | 2.52 | 0.00 | 1.30 | 2.33 |
| 653 | 1748 | 5198 | 27.50 | 4.74 | 0.00 | 1.25 | 2.14 |
| | | | | | | | |
| 654 | 5198 | 1740 | 27.50 | 0.96 | 0.00 | 1.25 | 2.14 |
| 655 | 1740 | 1742 | 26.25 | 1.18 | 0.00 | 1.19 | 1.96 |
| 656 | 1742 | 5199 | 25.00 | 0.71 | 0.00 | 1.13 | 1.79 |
| | | | | | | | |
| 657 | 5199 | 1753 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 658 | 5200 | 1762 | 6.25 | 0.26 | 0.00 | 0.41 | 0.33 |
| 659 | 1762 | 1763 | 5.00 | 0.01 | 0.00 | 0.33 | 0.22 |
| | | | | | | | |
| 660 | 1763 | 1760 | 3.75 | 0.03 | 0.00 | 0.25 | 0.13 |
| 661 | 1760 | 701 | 2.50 | 0.01 | 0.00 | 0.16 | 0.06 |
| 662 | 701 | 1750 | 1.25 | 0.02 | 0.00 | 0.08 | 0.02 |
| | | | | | | | |
| 663 | 5199 | 5200 | 23.75 | 0.35 | 0.00 | 2.43 | 11.76 |
| 664 | 5200 | 1761 | 17.50 | 0.29 | 0.00 | 0.79 | 0.93 |
| 665 | 1761 | 5201 | 16.25 | 0.78 | 0.00 | 0.74 | 0.81 |
| 666 | | 5202 | 16.25 | | | 1.66 | |
| | 5201 | | | 1.71 | 0.00 | | 5.82 |
| 667 | 5202 | 1758 | 13.75 | 0.35 | 0.00 | 1.40 | 4.27 |
| 668 | 1758 | 1780 | 12.50 | 0.70 | 0.00 | 1.28 | 3.58 |
| 669 | 1780 | 5203 | 11.25 | 0.29 | 0.00 | 1.15 | 2.95 |
| | | | | | | | |
| 670 | 5203 | 1759 | 6.54 | 0.02 | 0.00 | 0.67 | 1.08 |
| 671 | 5203 | 2305 | 4.71 | 0.22 | 0.00 | 0.48 | 0.59 |
| 672 | 2305 | 5204 | 3.46 | 0.03 | 0.00 | 0.35 | 0.33 |
| | | | | | | | |
| 673 | 1759 | 923 | 5.29 | 0.17 | 0.00 | 0.54 | 0.73 |
| 674 | 923 | 1243 | 4.04 | 0.01 | 0.00 | 0.41 | 0.44 |
| 675 | 1243 | 2551 | 2.79 | 0.04 | 0.00 | 0.28 | 0.22 |
| 676 | 2551 | 134 | 1.54 | 0.01 | 0.00 | 0.16 | 0.07 |
| | | | | | | | |
| 677 | 134 | 272 | 0.29 | 0.00 | 0.00 | 0.03 | 0.00 |
| 678 | 272 | 5204 | -0.96 | 0.00 | 0.00 | 0.10 | 0.03 |
| 679 | 5204 | 5205 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 680 | 5205 | 109 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 681 | 109 | 615 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 682 | 5202 | 2127 | 2.50 | 0.07 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 683 | 2127 | 482 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 684 | 5190 | 310 | 6.25 | 1.05 | 0.00 | 0.64 | 0.99 |
| 685 | 310 | 2089 | 5.00 | 0.42 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 686 | 2089 | 1964 | 3.75 | 0.19 | 0.00 | 0.38 | 0.39 |
| 687 | 1964 | 312 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| 688 | 312 | 309 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 689 | 1060 | 5207 | 28.75 | 0.54 | 0.00 | 0.73 | 0.57 |
| | | | | | | | |
| 690 | 5207 | 237 | 3.75 | 0.30 | 0.00 | 0.38 | 0.39 |
| 691 | 237 | 1939 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 692 | 1939 | 369 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| | | | -,50 | | | | |

| 693 | 975 | 641 | 2.50 | 0.17 | 0.00 | 0.26 | 0.18 |
|-------------|-------------|------|---------|------|------|------|-------|
| 694 | 5033 | 1293 | 285.63 | 0.64 | 0.00 | 3.24 | 5.59 |
| 695 | 5033 | J-11 | -285.63 | 1.92 | 0.00 | 3.24 | 5.59 |
| | | _ | | | | | |
| 697 | 5207 | 8024 | 25.00 | 0.16 | 0.00 | 0.64 | 0.44 |
| 698 | 8024 | 1228 | 23.75 | 0.00 | 0.00 | 0.61 | 0.40 |
| 699 | 1228 | 2219 | 22.50 | 8.31 | 0.00 | 2.30 | 10.64 |
| 700 | 2219 | 5209 | 21.25 | 1.63 | 0.00 | 2.17 | 9.57 |
| 701 | 5209 | 691 | 7.50 | 1.19 | 0.00 | 1.36 | 5.65 |
| 702 | 691 | 717 | 6.25 | 1.01 | 0.00 | 1.13 | 4.03 |
| 703 | 71 7 | 1971 | 5.00 | 0.27 | 0.00 | 0.91 | 2.66 |
| 704 | 1971 | 1084 | 3.75 | 0.64 | 0.00 | 0.68 | 1.56 |
| 705 | 1084 | 2680 | 2.50 | 0.08 | 0.00 | 0.45 | 0.74 |
| 706 | 2680 | 1815 | 1.25 | 0.02 | 0.00 | 0.23 | 0.20 |
| 707 | 5210 | 5211 | 7.50 | 0.28 | 0.00 | 1.36 | 5.65 |
| 708 | 5209 | 5210 | 13.75 | 3.20 | 0.00 | 1.40 | 4.27 |
| | | | | | | | |
| 709 | 5210 | 807 | 6.25 | 0.24 | 0.00 | 1.13 | 4.03 |
| 710 | 5211 | 374 | 1.25 | 0.41 | 0.00 | 0.51 | 1.47 |
| 711 | 5211 | 831 | 6.25 | 0.24 | 0.00 | 1.13 | 4.03 |
| 712 | 807 | 830 | 5.00 | 0.59 | 0.00 | 0.91 | 2.66 |
| 713 | 831 | 1913 | 5.00 | 0.59 | 0.00 | 0.91 | 2.66 |
| 714 | 830 | 7034 | 3.75 | 1.36 | 0.00 | 0.68 | 1.56 |
| 715 | 1913 | 1805 | 3.75 | 1.31 | 0.00 | 0.68 | 1.56 |
| 716 | 7034 | 1703 | 2.50 | 0.30 | 0.00 | 0.45 | 0.74 |
| 717 | 1703 | 7 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| | | | | | | | |
| 718 | 1805 | 1065 | 2.50 | 3.93 | 0.00 | 1.02 | 5.32 |
| 719 | 1065 | 1555 | 1.25 | 0.24 | 0.00 | 0.51 | 1.47 |
| 720-XX | 1555 | 5212 | | | | | |
| 721 | 5214 | 5213 | -1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 722 | 5213 | 5212 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 723 | 5212 | 2289 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 724 | 5213 | 2592 | -2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 725 | 2592 | 271 | -3.75 | 0.21 | 0.00 | 0.38 | 0.39 |
| | 271 | 5215 | -5.00 | | | | |
| 726 | | | | 1.75 | 0.00 | 0.51 | 0.66 |
| 727 | 5215 | 260 | 5.00 | 1.32 | 0.00 | 0.51 | 0.66 |
| 728 | 5215 | 1831 | -10.00 | 1.84 | 0.00 | 0.65 | 0.80 |
| 729 | 260 | 1992 | 3.75 | 0.01 | 0.00 | 0.38 | 0.39 |
| 730 | 1992 | 1837 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 731 | 1831 | 1647 | -11.25 | 0.75 | 0.00 | 0.74 | 0.99 |
| 732 | 1647 | 1645 | -12.50 | 0.12 | 0.00 | 0.82 | 1.21 |
| 733 | 1645 | 1922 | -13.75 | 0.20 | 0.00 | 0.90 | 1.44 |
| 734 | 1922 | 2696 | -15.00 | 1.54 | 0.00 | 0.98 | 1.69 |
| 735 | 2696 | 5216 | -16.25 | 0.91 | 0.00 | 1.06 | 1.96 |
| | | | | 0.25 | | | |
| 736 | 5216 | 2063 | 6.25 | | 0.00 | 0.64 | 0.99 |
| 737 | 2063 | 679 | 5.00 | 0.19 | 0.00 | 0.51 | 0.66 |
| 738 | 679 | 2520 | 3.75 | 0.16 | 0.00 | 0.38 | 0.39 |
| 739 | 2520 | 1355 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 740 | 1355 | 2400 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 741 | 5216 | 2412 | -22.50 | 0.77 | 0.00 | 1.02 | 1.48 |
| 742 | 2412 | 543 | -23.75 | 0.10 | 0.00 | 1.08 | 1.63 |
| 743 | 543 | 2403 | -25.00 | 0.65 | 0.00 | 1.13 | 1.79 |
| 744 | 5217 | 348 | 21.25 | 0.29 | 0.00 | 2.17 | 9.57 |
| 745 | 348 | 305 | 20.00 | 0.62 | 0.00 | 2.04 | 8.55 |
| 746 | 305 | 1509 | 18.75 | 2.79 | 0.00 | 1.91 | 7.59 |
| | | | | | | | |
| 747 | 1509 | 1009 | 17.50 | 5.42 | 0.00 | 1.79 | 6.68 |
| 748 | 1009 | 996 | 16.25 | 0.62 | 0.00 | 1.66 | 5.82 |
| 749 | 996 | 313 | 15.00 | 3.18 | 0.00 | 1.53 | 5.02 |
| 750 | 313 | 1904 | 13.75 | 0.26 | 0.00 | 1.40 | 4.27 |
| 751 | 1904 | 1557 | 12.50 | 2.53 | 0.00 | 1.28 | 3.58 |
| 752 | 1557 | 537 | 11.25 | 0.73 | 0.00 | 1.15 | 2.95 |
| 753 | 537 | 1544 | 10.00 | 1.41 | 0.00 | 1.02 | 2.37 |
| 754 | 1544 | 2262 | 8.75 | 0.89 | 0.00 | 0.89 | 1.85 |
| 755 | 2262 | 1908 | 7.50 | 0.18 | 0.00 | 0.77 | 1.39 |
| | | | | | | | |
| 756 | 1908 | 1738 | 6.25 | 0.00 | 0.00 | 0.64 | 0.99 |
| 7 57 | 1738 | 2121 | 5.00 | 0.03 | 0.00 | 0.51 | 0.66 |
| 758 | 2121 | 396 | 3.75 | 0.35 | 0.00 | 0.38 | 0.39 |
| 759 | 396 | 518 | 2.50 | 0.00 | 0.00 | 0.26 | 0.18 |
| 760 | 518 | 1597 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 761 | 2403 | 5217 | -26.25 | 0.09 | 0.00 | 1.19 | 1.96 |
| 762 | 5217 | 5218 | -47.50 | 0.74 | 0.00 | 2.16 | 5.89 |
| 765 | 7035 | 2229 | -206.43 | 0.35 | 0.00 | 2.34 | 3.06 |
| | | | | 0.33 | 0.00 | | 3.10 |
| 766 | 536 | 2229 | 207.68 | 0./4 | 0.00 | 2.36 | 3.10 |

| 767 | 536 | 2290 | -208.93 | 2.98 | 0.00 | 2.37 | 3.13 |
|-----|------|------|---------|-------|------|------|------|
| 768 | 1461 | 2290 | 210.18 | 0.09 | 0.00 | 2.38 | 3.17 |
| 769 | 1677 | 1461 | 211.43 | 0.38 | 0.00 | 2.40 | 3.20 |
| 770 | 10 | 1677 | 212.68 | 0.65 | 0.00 | 2.41 | 3.24 |
| | | | | | | | |
| 771 | 79 | 10 | 213.93 | 1.74 | 0.00 | 2.43 | 3.27 |
| 772 | 1613 | 79 | 215.18 | 3.03 | 0.00 | 2.44 | 3.31 |
| 773 | 2278 | 1613 | 216.43 | 2.20 | 0.00 | 2.46 | 3.34 |
| 774 | 96 | 2278 | 217.68 | 0.24 | 0.00 | 2.47 | 3.38 |
| 775 | 5219 | 96 | 218.93 | 1.39 | 0.00 | 2.48 | 3.41 |
| | | | | | | | |
| 776 | 5219 | 5220 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 778 | 5221 | 55 | 240.00 | 0.97 | 0.00 | 2.72 | 4.05 |
| 779 | 55 | 8073 | 238.75 | 0.44 | 0.00 | 2.71 | 4.01 |
| 780 | 8073 | 1334 | 237.50 | 5.09 | 0.00 | 2.69 | 3.97 |
| 781 | 1334 | 450 | 236.25 | 1.42 | 0.00 | 2.68 | 3.93 |
| 782 | 450 | 156 | 235.00 | 0.79 | 0.00 | 2.67 | 3.89 |
| 783 | 156 | 1152 | | 2.00 | 0.00 | | |
| | | | 233.75 | | | 2.65 | 3.85 |
| 784 | 1152 | 1713 | 232.50 | 2.23 | 0.00 | 2.64 | 3.82 |
| 785 | 1713 | 218 | 231.25 | 1.96 | 0.00 | 2.62 | 3.78 |
| 786 | 218 | 885 | 230.00 | 1.71 | 0.00 | 2.61 | 3.74 |
| 787 | 885 | 2101 | 228.75 | 7.30 | 0.00 | 2.60 | 3.70 |
| 788 | 2101 | 7036 | 227.50 | 1.99 | 0.00 | 2.58 | 3.67 |
| | | 1411 | | | | | |
| 789 | 7036 | | 226.25 | 3.90 | 0.00 | 2.57 | 3.63 |
| 790 | 1411 | 136 | 225.00 | 1.25 | 0.00 | 2.55 | 3.59 |
| 791 | 136 | 1699 | 223.75 | 2.49 | 0.00 | 2.54 | 3.55 |
| 792 | 1699 | 1206 | 222.50 | 0.09 | 0.00 | 2.52 | 3.52 |
| 793 | 1206 | 1549 | 221.25 | 1.19 | 0.00 | 2.51 | 3.48 |
| 794 | 1549 | 2109 | 220.00 | 11.25 | 0.00 | 2.50 | 3.45 |
| | | | | | | | |
| 795 | 2109 | 740 | 218.75 | 0.58 | 0.00 | 2.48 | 3.41 |
| 796 | 740 | 8002 | 217.50 | 0.91 | 0.00 | 2.47 | 3.37 |
| 797 | 8002 | 5222 | 216.25 | 1.27 | 0.00 | 2.45 | 3.34 |
| 798 | 5222 | 1661 | 216.25 | 1.60 | 0.00 | 2.45 | 3.34 |
| 799 | 1661 | 5223 | 215.00 | 0.08 | 0.00 | 2.44 | 3.30 |
| 800 | 5223 | 5224 | 148.75 | 0.05 | 0.00 | 1.69 | 1.67 |
| | | | | | | | |
| 801 | 5224 | 1163 | 148.75 | 0.10 | 0.00 | 1.69 | 1.67 |
| 802 | 1163 | 377 | 147.50 | 0.09 | 0.00 | 1.67 | 1.64 |
| 803 | 377 | 1938 | 146.25 | 0.91 | 0.00 | 1.66 | 1.62 |
| 804 | 1938 | 5171 | 145.00 | 0.02 | 0.00 | 1.65 | 1.59 |
| 805 | 5171 | 2343 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 806 | 2343 | 1263 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| | | | | | | | |
| 807 | 5223 | 32 | 66.25 | 0.39 | 0.00 | 1.69 | 2.69 |
| 808 | 32 | 5225 | 65.00 | 1.18 | 0.00 | 1.66 | 2.59 |
| 809 | 5225 | 169 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 810 | 5225 | 5226 | 62.50 | 0.07 | 0.00 | 1.60 | 2.41 |
| 811 | 5226 | 1116 | 62.50 | 0.45 | 0.00 | 1.60 | 2.41 |
| 812 | 5225 | 1098 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 813 | 1116 | 1012 | 61.25 | 1.15 | 0.00 | 1.56 | 2.32 |
| | | | | | | | |
| 814 | 1012 | 1120 | 60.00 | 0.60 | 0.00 | 1.53 | 2.24 |
| 815 | 1122 | 1120 | -58.75 | 0.47 | 0.00 | 1.50 | 2.15 |
| 816 | 1122 | 1896 | 57.50 | 0.77 | 0.00 | 1.47 | 2.07 |
| 817 | 1896 | 1097 | 56.25 | 0.34 | 0.00 | 1.44 | 1.99 |
| 818 | 5228 | 2712 | 55.00 | 0.16 | 0.00 | 1.40 | 1.90 |
| 819 | 2641 | 2712 | -53.75 | 0.35 | 0.00 | 1.37 | 1.83 |
| | | | | | 0.00 | | |
| 820 | 2641 | 2522 | 52.50 | 0.25 | | 1.34 | 1.75 |
| 821 | 2522 | 678 | 51.25 | 0.41 | 0.00 | 1.31 | 1.67 |
| 822 | 678 | 5227 | 50.00 | 0.14 | 0.00 | 1.28 | 1.60 |
| 823 | 1097 | 5228 | 55.00 | 0.06 | 0.00 | 1.40 | 1.90 |
| 824 | 5227 | 5229 | 43.75 | 0.14 | 0.00 | 1.12 | 1.25 |
| 825 | | 1198 | 6.25 | 1.03 | 0.00 | 0.64 | 0.99 |
| | 5227 | | | | | | |
| 826 | 5229 | 327 | 43.75 | 1.69 | 0.00 | 1.12 | 1.25 |
| 827 | 5230 | 2408 | 5.00 | 0.78 | 0.00 | 0.51 | 0.66 |
| 828 | 2408 | 1338 | 3.75 | 0.11 | 0.00 | 0.38 | 0.39 |
| 829 | 1338 | 2003 | 2.50 | 0.07 | 0.00 | 0.26 | 0.18 |
| 830 | 2003 | 8007 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | 0.00 | | |
| 831 | 8006 | 5231 | 41.25 | 3.09 | | 1.05 | 1.12 |
| 832 | 5231 | 749 | 41.25 | 1.40 | 0.00 | 1.05 | 1.12 |
| 833 | 749 | 1533 | 40.00 | 0.32 | 0.00 | 1.02 | 1.06 |
| 834 | 1533 | 1295 | 38.75 | 0.05 | 0.00 | 0.99 | 1.00 |
| 835 | 1295 | 5232 | 37.50 | 0.22 | 0.00 | 0.96 | 0.94 |
| 836 | 5232 | 1299 | 31.25 | 0.72 | 0.00 | 2.04 | 6.59 |
| | | | | | | | |
| 837 | 1299 | 1374 | 30.00 | 2.84 | 0.00 | 1.96 | 6.11 |
| 838 | 1374 | 1577 | 28.75 | 2.71 | 0.00 | 1.88 | 5.65 |

| 839 | 1577 | 1660 | 27.50 | 3.04 | 0.00 | 1.80 | 5.20 |
|-----|------|------|---------|-------|------|------|------|
| 840 | 1660 | 1662 | 26.25 | 4.55 | 0.00 | 1.72 | 4.77 |
| | | | | | | 1.63 | |
| 841 | 1662 | 5233 | 25.00 | 0.66 | 0.00 | | 4.36 |
| 842 | 5233 | 1838 | 8.75 | 0.45 | 0.00 | 0.89 | 1.85 |
| 843 | 1838 | 1914 | 7.50 | 0.10 | 0.00 | 0.77 | 1.39 |
| 844 | 1914 | 476 | 6.25 | 0.10 | 0.00 | 0.64 | 0.99 |
| 845 | 476 | 2328 | 5.00 | 0.53 | 0.00 | 0.51 | 0.66 |
| 846 | 2328 | 2317 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| 847 | 2317 | 2372 | 2.50 | 0.11 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 848 | 2372 | 1322 | 1.25 | 0.11 | 0.00 | 0.13 | 0.05 |
| 849 | 5233 | 2602 | 16.25 | 2.15 | 0.00 | 1.66 | 5.82 |
| 850 | 2602 | 36 | 15.00 | 1.52 | 0.00 | 1.53 | 5.02 |
| 851 | 36 | 26 | 13.75 | 0.04 | 0.00 | 1.40 | 4.27 |
| 852 | 26 | 8008 | 12.50 | 1.98 | 0.00 | 1.28 | 3.58 |
| 853 | 8008 | 5234 | 11.25 | 7.17 | 0.00 | 1.15 | 2.95 |
| | 5234 | 14 | 2.50 | 0.05 | | 0.26 | |
| 854 | | | | | 0.00 | | 0.18 |
| 855 | 14 | 1622 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 856 | 5234 | 1624 | 8.75 | 0.96 | 0.00 | 0.89 | 1.85 |
| 857 | 1624 | 1623 | 7.50 | 0.49 | 0.00 | 0.77 | 1.39 |
| 858 | 5219 | 5235 | -218.93 | 12.77 | 0.00 | 2.48 | 3.41 |
| 859 | 5235 | 1277 | 3.75 | 0.35 | 0.00 | 0.38 | 0.39 |
| 860 | 1277 | 5236 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 861 | 5236 | 1700 | 1.25 | 0.56 | 0.00 | 0.51 | 1.47 |
| 862 | 5236 | 773 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 863 | 1192 | 5235 | 222.68 | 5.15 | 0.00 | 2.53 | 3.52 |
| 864 | 2479 | 1192 | 223.93 | 0.38 | 0.00 | 2.54 | 3.56 |
| 865 | 1144 | 2479 | 225.18 | 1.88 | 0.00 | 2.55 | 3.60 |
| 866 | 2259 | 1144 | 226.43 | 5.67 | 0.00 | 2.57 | 3.63 |
| | | | | | | | |
| 867 | 5237 | 2259 | 227.68 | 5.43 | 0.00 | 2.58 | 3.67 |
| 868 | 5237 | 1960 | 5.00 | 1.03 | 0.00 | 0.51 | 0.66 |
| 869 | 1960 | 1318 | 3.75 | 0.05 | 0.00 | 0.38 | 0.39 |
| 870 | 1318 | 258 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 871 | 258 | 800 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 872 | 5237 | 2081 | 3.75 | 0.12 | 0.00 | 0.38 | 0.39 |
| 873 | 2081 | 2454 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 874 | 2454 | 616 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 875 | 616 | 5238 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 876 | 2387 | 5237 | 236.43 | 0.26 | 0.00 | 2.68 | 3.94 |
| 877 | 5239 | 2387 | 237.68 | 8.04 | 0.00 | 2.70 | 3.98 |
| 878 | 1207 | 5239 | 237.68 | 2.97 | 0.00 | 2.70 | 3.98 |
| 879 | 349 | 1207 | 238.93 | 4.26 | 0.00 | 2.71 | 4.01 |
| 880 | 1070 | 349 | 240.18 | 1.25 | 0.00 | 2.73 | 4.05 |
| | | | | | | | |
| 881 | 5240 | 1070 | 241.43 | 0.51 | 0.00 | 2.74 | 4.09 |
| 882 | 5240 | 763 | 1.25 | 0.04 | 0.00 | 0.06 | 0.01 |
| 883 | 8050 | 5240 | 242.68 | 0.82 | 0.00 | 2.75 | 4.13 |
| 884 | 2166 | 8050 | 243.93 | 0.59 | 0.00 | 2.77 | 4.17 |
| 885 | 1552 | 2166 | 245.18 | 2.87 | 0.00 | 2.78 | 4.21 |
| 886 | 2485 | 1552 | 246.43 | 1.91 | 0.00 | 2.80 | 4.25 |
| | | | -247.68 | | | | |
| 887 | 2485 | 2460 | | 0.77 | 0.00 | 2.81 | 4.29 |
| 888 | 2460 | 5241 | -248.93 | 5.62 | 0.00 | 2.82 | 4.33 |
| 889 | 5241 | 1312 | -248.93 | 0.31 | 0.00 | 2.82 | 4.33 |
| 890 | 1312 | 1073 | -250.18 | 10.19 | 0.00 | 2.84 | 4.37 |
| 891 | 1073 | 1373 | -251.43 | 1.58 | 0.00 | 2.85 | 4.41 |
| 892 | 1373 | 1608 | -252.68 | 0.20 | 0.00 | 2.87 | 4.45 |
| 893 | 1608 | 5242 | -253.93 | 0.94 | 0.00 | 2.88 | 4.49 |
| | | 5242 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 894 | 5242 | | | | | | |
| 895 | 5243 | 2362 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 896 | 5242 | 2606 | -256.43 | 0.76 | 0.00 | 2.91 | 4.58 |
| 897 | 2606 | 2593 | -257.68 | 1.85 | 0.00 | 2.92 | 4.62 |
| 898 | 5244 | 339 | 2.50 | 0.24 | 0.00 | 0.26 | 0.18 |
| 899 | 339 | 2639 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | 5245 | | 11.41 | | 2.97 | 4.74 |
| 900 | 5244 | | -261.43 | | 0.00 | | |
| 901 | 2593 | 5244 | -258.93 | 5.11 | 0.00 | 2.94 | 4.66 |
| 902 | 5245 | J-52 | -321.43 | 0.35 | 0.00 | 3.65 | 6.95 |
| 903 | J-52 | 1264 | -322.68 | 1.27 | 0.00 | 3.66 | 7.00 |
| 904 | 1264 | 7037 | -323.93 | 0.43 | 0.00 | 3.68 | 7.05 |
| 905 | 7037 | 1718 | -325.18 | 1.01 | 0.00 | 3.69 | 7.10 |
| 906 | 1718 | 7038 | -326.43 | 0.72 | 0.00 | 3.70 | 7.15 |
| | | | | 2.03 | | 3.70 | |
| 907 | 7038 | 1304 | -327.68 | | 0.00 | | 7.21 |
| 908 | 1304 | 5246 | -328.93 | 0.15 | 0.00 | 3.73 | 7.26 |
| 909 | 5246 | 1965 | 1.25 | 0.00 | 0.00 | 0.01 | 0.00 |
| | | | | | | | |

| 910 | 5246 | 154 | -330.18 | 0.24 | 0.00 | 3.75 | 7.31 |
|--|--|--|--|--|---|--|--|
| | | | | | | | |
| 911 | 154 | 157 | -331.43 | 1.46 | 0.00 | 3.76 | 7.36 |
| 912 | 157 | 766 | -332.68 | 4.76 | 0.00 | 3.77 | 7.41 |
| 913 | 766 | 1518 | -333.93 | 2.16 | 0.00 | 3.79 | 7.46 |
| 914 | 1518 | 2567 | -335.18 | 1.48 | 0.00 | 3.80 | 7.51 |
| 915 | 2567 | 2398 | -336.43 | 5.48 | 0.00 | 3.82 | 7.57 |
| | | | | 2.36 | | | |
| 916 | 2398 | 1313 | -337.68 | | 0.00 | 3.83 | 7.62 |
| 917 | 1313 | 1239 | -338.93 | 2.81 | 0.00 | 3.85 | 7.67 |
| 918 | 1239 | 5247 | -340.18 | 0.85 | 0.00 | 3.86 | 7.72 |
| 919 | 5248 | 64 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 920 | 5248 | 333 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | 5247 | | | | | | |
| 921 | | 5248 | 2.50 | 0.75 | 0.00 | 0.26 | 0.18 |
| 922 | 5247 | 1494 | -342.68 | 4.42 | 0.00 | 3.89 | 7.83 |
| 923 | 1494 | 5249 | -343.93 | 3.89 | 0.00 | 3.90 | 7.88 |
| 924 | 5249 | 1561 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 925 | 1561 | 2472 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 926 | 5249 | 2334 | -346.43 | 2.32 | 0.00 | 3.93 | 7.99 |
| 927 | 2334 | 2525 | -347.68 | 0.64 | 0.00 | 3.94 | 8.04 |
| 928 | 2525 | 5250 | -348.93 | 1.46 | 0.00 | 3.96 | 8.09 |
| 929 | 5250 | 343 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 930 | 5250 | 340 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 931 | 5250 | 5251 | -351.43 | 4.38 | 0.00 | 3.99 | 8.20 |
| 932 | 5251 | 7039 | -351.43 | 7.19 | 0.00 | 3.99 | 8.20 |
| 933 | 7039 | 2428 | -352.68 | 1.30 | 0.00 | 4.00 | 8.26 |
| 934 | 5252 | 167 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 935 | 167 | 2242 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 936 | 2428 | 5252 | -353.93 | 0.80 | 0.00 | 4.02 | 8.31 |
| 937 | 1241 | 33 | -357.68 | 1.43 | 0.00 | 4.06 | 8.47 |
| 938 | 33 | 1580 | -360.18 | 0.62 | 0.00 | 4.09 | 8.58 |
| 939 | 33 | 1062 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 940 | 1545 | 1580 | 361.43 | 11.02 | 0.00 | 4.10 | 8.64 |
| | | | | | | | |
| 941 | 1545 | 1708 | -362.68 | 5.31 | 0.00 | 4.12 | 8.70 |
| 942 | 1708 | 2527 | -363.93 | 0.71 | 0.00 | 4.13 | 8.75 |
| 943 | 2527 | 1607 | -365.18 | 0.09 | 0.00 | 4.14 | 8.81 |
| 944 | 1607 | 1901 | 2.50 | 0.00 | 0.00 | 0.03 | 0.00 |
| 945 | 1901 | 1688 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 946 | 1607 | 2647 | -368.93 | 2.71 | 0.00 | 4.19 | 8.97 |
| 947 | 2647 | 2220 | -370.18 | 2.89 | 0.00 | 4.20 | 9.03 |
| 948 | 2220 | 761 | -371.43 | 2.23 | 0.00 | 4.21 | 9.09 |
| 949 | 761 | 1970 | -372.68 | 0.91 | 0.00 | 4.23 | 9.14 |
| 950 | 1970 | 1694 | -373.93 | 0.92 | 0.00 | 4.24 | 9.20 |
| | | 760 | -375.18 | 1.86 | 0.00 | 4.26 | 9.26 |
| 951 | 1694 | | | | | | |
| 952 | 760 | 252 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 953 | 760 | 1081 | -377.68 | 0.94 | 0.00 | 4.29 | 9.37 |
| 954 | 1081 | 228 | -378.93 | 1.90 | 0.00 | 4.30 | 9.43 |
| 955 | 228 | 7040 | -380.18 | 1.06 | 0.00 | 4.31 | 9.49 |
| 956 | 7040 | 648 | -381.43 | 1.24 | 0.00 | 4.33 | 9.55 |
| | | 341 | -382.68 | | | | |
| 957 | 648 | | | 0.58 | 0.00 | 4.34 | 9.60 |
| 958 | 341 | 225 | -383.93 | 1.17 | 0.00 | 4.36 | 9.66 |
| 959 | 225 | 338 | -385.18 | 0.91 | 0.00 | 4.37 | 9.72 |
| 960 | 338 | 2476 | ~386.43 | 1.74 | 0.00 | 4.38 | 9.78 |
| 961 | 2476 | 1326 | -387.68 | 2.03 | 0.00 | 4.40 | 9.84 |
| 962 | | | | 55 | | 4.41 | 9.90 |
| | | 2070 | -200 03 | 2 47 | 0.00 | | |
| | 1326 | 2070 | -388.93 | 3.47 | 0.00 | | |
| 963 | 5252 | 1241 | -356.43 | 4.48 | 0.00 | 4.04 | 8.42 |
| 963
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| 964 | 5252 | 1241 | -356.43 | 4.48 | 0.00 | 4.04 | 8.42 |
| 964
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| 981 | 226 | 752 | 2.50 | 0.11 | 0.00 | 0.26 | 0.18 |
|------|------|------|---------|-------|------|------|-------|
| | | | | | | | |
| 982 | 752 | 1416 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 983 | 5260 | 8074 | 43.75 | 0.69 | 0.00 | 0.50 | 0.17 |
| 984 | 8074 | 1932 | 42.50 | 0.01 | 0.00 | 0.48 | 0.16 |
| 985 | 1932 | 1525 | 41.25 | 0.04 | 0.00 | 0.47 | 0.16 |
| 986 | 1525 | 1579 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 987 | 1525 | 664 | 38.75 | 0.14 | 0.00 | 0.44 | 0.14 |
| 988 | 664 | 782 | 37.50 | 0.51 | 0.00 | 0.43 | 0.13 |
| | | | | | | | |
| 989 | 782 | 1363 | 36.25 | 0.10 | 0.00 | 0.41 | 0.12 |
| 990 | 1363 | 926 | 35.00 | 0.01 | 0.00 | 0.40 | 0.11 |
| 991 | 5258 | J-69 | 48.75 | 1.01 | 0.00 | 0.55 | 0.21 |
| 992 | 2070 | 5253 | -390.18 | 0.60 | 0.00 | 4.43 | 9.96 |
| 993 | 5253 | 7041 | -411.30 | 9.76 | 0.00 | 4.67 | 10.98 |
| 994 | 7041 | 1996 | -412.55 | 13.36 | 0.00 | 4.68 | 11.04 |
| 995 | 1996 | 1454 | -413.80 | 2.29 | 0.00 | 4.70 | 11.10 |
| | | | | | | | |
| 996 | 1454 | 1371 | -415.05 | 11.92 | 0.00 | 4.71 | 11.16 |
| 997 | 1371 | 1370 | -416.30 | 1.77 | 0.00 | 4.72 | 11.23 |
| 998 | 5253 | 5262 | 21.12 | 0.20 | 0.00 | 0.96 | 1.31 |
| 999 | 5262 | 514 | 21.12 | 2.34 | 0.00 | 0.96 | 1.31 |
| 1000 | 514 | 5263 | 19.87 | 1.69 | 0.00 | 0.90 | 1.17 |
| 1001 | 5263 | 586 | 19.87 | 2.78 | 0.00 | 0.90 | 1.17 |
| 1002 | 586 | 7042 | 18.62 | 0.22 | 0.00 | 0.85 | 1.04 |
| | | | | | | | |
| 1003 | 7042 | 1550 | 17.37 | 1.50 | 0.00 | 0.79 | 0.91 |
| 1004 | 1550 | 5264 | 16.12 | 1.98 | 0.00 | 0.73 | 0.80 |
| 1005 | 5264 | 5265 | 16.12 | 1.18 | 0.00 | 0.73 | 0.80 |
| 1006 | 5265 | 2011 | 1.25 | 0.11 | 0.00 | 0.13 | 0.05 |
| 1007 | 5265 | 5266 | 14.87 | 1.19 | 0.00 | 0.68 | 0.69 |
| 1008 | 5266 | 147 | 14.87 | 0.85 | 0.00 | 0.68 | 0.69 |
| 1009 | 147 | 2145 | 13.62 | 1.04 | 0.00 | 0.62 | 0.58 |
| | | | | | | | |
| 1010 | 2145 | 5267 | 12.37 | 0.22 | 0.00 | 0.56 | 0.49 |
| 1011 | 5267 | 2214 | 1.25 | 1.29 | 0.00 | 0.51 | 1.47 |
| 1012 | 5267 | 5268 | 11.12 | 1.73 | 0.00 | 0.50 | 0.40 |
| 1013 | 5268 | 145 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1014 | 5268 | 68 | 9.87 | 0.53 | 0.00 | 0.45 | 0.32 |
| 1015 | 68 | 1687 | 8.62 | 0.26 | 0.00 | 0.39 | 0.25 |
| 1016 | 1687 | 191 | 7.37 | 0.08 | 0.00 | 0.33 | 0.19 |
| | 191 | 1949 | 6.12 | 0.12 | 0.00 | 0.28 | 0.13 |
| 1017 | | | | | | | |
| 1018 | 1949 | 5269 | 4.87 | 0.38 | 0.00 | 0.22 | 0.09 |
| 1019 | 5269 | 5270 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1020 | 5270 | 2158 | 1.25 | 0.04 | 0.00 | 0.13 | 0.05 |
| 1021 | 5269 | 767 | 3.62 | 0.03 | 0.00 | 0.16 | 0.05 |
| 1022 | 767 | 1967 | 2.37 | 0.16 | 0.00 | 0.11 | 0.02 |
| 1023 | 5089 | 1967 | -1.12 | 0.03 | 0.00 | 0.05 | 0.01 |
| 1024 | 5089 | 5271 | 6.25 | 0.28 | 0.00 | 0.41 | 0.33 |
| | 5271 | 5272 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1025 | | | | | | | |
| 1026 | 5271 | 2046 | 6.25 | 0.30 | 0.00 | 0.41 | 0.33 |
| 1027 | 2046 | 1209 | 5.00 | 0.69 | 0.00 | 0.33 | 0.22 |
| 1028 | 1209 | 5273 | 3.75 | 0.01 | 0.00 | 0.25 | 0.13 |
| 1029 | 5273 | 2288 | 3.75 | 0.08 | 0.00 | 0.25 | 0.13 |
| 1030 | 2288 | 1164 | 2.50 | 0.09 | 0.00 | 0.16 | 0.06 |
| 1031 | 1164 | 498 | 1.25 | 0.10 | 0.00 | 0.13 | 0.05 |
| 1032 | 5274 | 5275 | 373.78 | 1.50 | 0.00 | 4.24 | 9.19 |
| | 5275 | | 320.03 | 0.10 | | | |
| 1033 | | 2627 | | | 0.00 | 3.63 | 6.90 |
| 1034 | 2627 | 2270 | 318.78 | 0.59 | 0.00 | 3.62 | 6.85 |
| 1035 | 2270 | 1812 | 317.53 | 1.36 | 0.00 | 3.60 | 6.80 |
| 1036 | 1812 | 1162 | 316.28 | 1.21 | 0.00 | 3.59 | 6.75 |
| 1037 | 1162 | 492 | 315.03 | 5.04 | 0.00 | 3.57 | 6.70 |
| 1038 | 492 | 2251 | 313.78 | 1.99 | 0.00 | 3.56 | 6.65 |
| 1039 | 230 | 2251 | -312.53 | 1.39 | 0.00 | 3.55 | 6.60 |
| | | | 311.28 | 2.75 | 0.00 | 3.53 | 6.55 |
| 1040 | 230 | 2141 | | | | | |
| 1041 | 2141 | 1633 | 310.03 | 0.65 | 0.00 | 3.52 | 6.50 |
| 1042 | 1633 | 5276 | 308.78 | 7.72 | 0.00 | 3.50 | 6.45 |
| 1043 | 5276 | 925 | 308.78 | 14.50 | 0.00 | 3.50 | 6.45 |
| 1044 | 925 | 1582 | 307.53 | 0.47 | 0.00 | 3.49 | 6.41 |
| 1045 | 1582 | 5277 | 306.28 | 2.49 | 0.00 | 3.48 | 6.36 |
| 1046 | 5277 | 1057 | 2.50 | 0.16 | 0.00 | 0.26 | 0.18 |
| | | 857 | 1.25 | 0.05 | 0.00 | 0.13 | 0.05 |
| 1047 | 1057 | | | | | | |
| 1048 | 5277 | 137 | 303.78 | 2.00 | 0.00 | 3.45 | 6.26 |
| 1049 | 137 | 1599 | 302.53 | 0.38 | 0.00 | 3.43 | 6.21 |
| 1050 | 1599 | 494 | 301.28 | 3.14 | 0.00 | 3.42 | 6.17 |
| 1051 | 494 | 2665 | 300.03 | 20.76 | 0.00 | 3.40 | 6.12 |
| | | | | | | | |

| 1052 | 2665 | 5278 | 298.78 | 4.17 | 0.00 | 3.39 | 6.07 |
|------|------|------------------|--------|-------|------|------|-------|
| | | | | | | | |
| 1053 | 5278 | 1133 | 12.50 | 2.20 | 0.00 | 1.28 | 3.58 |
| 1054 | 1133 | 527 9 | 11.25 | 5.40 | 0.00 | 1.15 | 2.95 |
| 1055 | 5279 | 1034 | 11.25 | 4.41 | 0.00 | 1.15 | 2.95 |
| | | | | | | | |
| 1056 | 1034 | 2686 | 10.00 | 1.19 | 0.00 | 1.02 | 2.37 |
| 1057 | 5281 | 1654 | 8.75 | 0.88 | 0.00 | 0.89 | 1.85 |
| | | | | | | | |
| 1058 | 1654 | 2545 | 7.50 | 0.62 | 0.00 | 0.77 | 1.39 |
| 1059 | 2545 | 2075 | 6.25 | 0.70 | 0.00 | 0.64 | 0.99 |
| | | | | | | | |
| 1060 | 2075 | 2048 | 5.00 | 0.14 | 0.00 | 0.51 | 0.66 |
| 1061 | 2048 | 5280 | 3.75 | 0.05 | 0.00 | 0.38 | 0.39 |
| 1062 | 5280 | 1501 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1063 | 5280 | 1460 | 2.50 | 0.10 | 0.00 | 0.26 | 0.18 |
| 1064 | 1460 | 1641 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1065 | 2686 | 5281 | 8.75 | 0.71 | 0.00 | 0.89 | 1.85 |
| 1066 | 5278 | 1459 | 286.28 | 7.46 | 0.00 | 3.25 | 5.61 |
| 1067 | 1459 | 302 | 285.03 | 6.22 | 0.00 | 3.23 | 5.57 |
| | | | | | | | |
| 1068 | 302 | 1979 | 283.78 | 14.87 | 0.00 | 3.22 | 5.52 |
| 1069 | 1979 | 5282 | 282.53 | 7.39 | 0.00 | 3.21 | 5.48 |
| | | | | | | | |
| 1070 | 5282 | 1697 | 282.53 | 0.59 | 0.00 | 3.21 | 5.48 |
| 1071 | 1697 | 1151 | 281.28 | 2.49 | 0.00 | 3.19 | 5.43 |
| 1072 | 1151 | 2332 | 280.03 | 1.91 | 0.00 | 3.18 | 5.39 |
| | | | | | | | |
| 1073 | 2332 | 5283 | 278.78 | 2.99 | 0.00 | 3.16 | 5.34 |
| 1074 | 5321 | 5284 | 11.25 | 1.30 | 0.00 | 1.15 | 2.95 |
| | | | | | | | |
| 1075 | 5284 | 5285 | 11.25 | 0.75 | 0.00 | 1.15 | 2.95 |
| 1076 | 5285 | 1214 | 11.25 | 9.51 | 0.00 | 1.15 | 2.95 |
| 1077 | 1214 | 927 | 10.00 | 1.08 | 0.00 | 1.02 | 2.37 |
| | | | | | | | |
| 1078 | 927 | 935 | 8.75 | 0.12 | 0.00 | 0.89 | 1.85 |
| 1079 | 935 | 1216 | 7.50 | 0.84 | 0.00 | 0.77 | 1.39 |
| | – | | | | | | |
| 1080 | 1216 | 125 | 6.25 | 1.11 | 0.00 | 0.64 | 0.99 |
| 1081 | 125 | 1225 | 5.00 | 0.18 | 0.00 | 0.51 | 0.66 |
| 1082 | 1225 | 5286 | 3.75 | 1.75 | 0.00 | 0.38 | |
| | | | | | | | 0.39 |
| 1083 | 5286 | 2056 | 3.75 | 0.94 | 0.00 | 0.38 | 0.39 |
| 1084 | 2056 | 2057 | 2.50 | 0.07 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 1085 | 2057 | 2058 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1086 | 5050 | 924 | 3.75 | 0.00 | 0.00 | 0.04 | 0.00 |
| | | | | | | | |
| 1087 | 924 | 5287 | 2.50 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1088 | 5287 | 2634 | 2.50 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1089 | 2634 | 1510 | 1.25 | 0.00 | 0.00 | 0.01 | 0.00 |
| | | | | | | | |
| 1090 | 1010 | 1492 | -52.50 | 3.06 | 0.00 | 1.34 | 1.75 |
| 1091 | 1010 | 2698 | 51.25 | 0.33 | 0.00 | 1.31 | 1.67 |
| | | | | | | | |
| 1092 | 2698 | 903 | 50.00 | 0.08 | 0.00 | 1.28 | 1.60 |
| 1093 | 903 | 201 | 48.75 | 0.46 | 0.00 | 1.24 | 1.52 |
| 1094 | 201 | 5288 | 47.50 | 1.24 | 0.00 | | |
| | | | | | | 1.21 | 1.45 |
| 1095 | 5288 | 2295 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1096 | 5288 | 248 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 1097 | 248 | 865 | 3.75 | 0.39 | 0.00 | 0.38 | 0.39 |
| 1098 | 865 | 5289 | 2.50 | 0.00 | 0.00 | 0.26 | 0.18 |
| 1099 | 5289 | 841 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1100 | 5289 | 866 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1101 | 5288 | 1111 | 41.25 | 2.22 | 0.00 | 1.05 | 1.12 |
| | | | | | | | |
| 1102 | 1111 | 60 | 40.00 | 0.55 | 0.00 | 1.02 | 1.06 |
| 1103 | 60 | 861 | 38.75 | 4.42 | 0.00 | 0.99 | 1.00 |
| 1104 | 861 | 5290 | 37.50 | 0.04 | 0.00 | 0.96 | 0.94 |
| | | | | | | | |
| 1105 | 5290 | 2417 | 30.00 | 31.41 | 0.00 | 3.06 | 18.12 |
| 1106 | 2417 | 5291 | 28.75 | 15.01 | 0.00 | 2.94 | 16.75 |
| | | | | | | | |
| 1107 | 5291 | 1841 | 28.75 | 24.51 | 0.00 | 2.94 | 16.75 |
| 1108 | 1841 | 580 | 27.50 | 19.18 | 0.00 | 2.81 | 15.43 |
| 1109 | 580 | 5292 | 26.25 | 8.79 | 0.00 | 2.68 | 14.15 |
| | | | | | | | |
| 1110 | 5292 | 1640 | 26.25 | 21.36 | 0.00 | 2.68 | 14.15 |
| 1111 | 1640 | 5293 | 25.00 | 0.91 | 0.00 | 2.55 | 12.93 |
| | | | | | | | |
| 1112 | 5293 | 2168 | 25.00 | 3.23 | 0.00 | 2.55 | 12.93 |
| 1113 | 2168 | 2015 | 23.75 | 10.45 | 0.00 | 2.43 | 11.76 |
| 1114 | 2015 | 2431 | 22.50 | 7.23 | 0.00 | 2.30 | 10.64 |
| | | | | | | | |
| 1115 | 2431 | 1725 | 21.25 | 2.74 | 0.00 | 2.17 | 9.57 |
| 1116 | 1725 | 5294 | 20.00 | 1.77 | 0.00 | 2.04 | 8.55 |
| | | | | | | | |
| 1117 | 5294 | 2402 | 7.50 | 1.17 | 0.00 | 0.77 | 1.39 |
| 1118 | 2402 | 1858 | 6.25 | 0.22 | 0.00 | 0.64 | 0.99 |
| | 1858 | 2711 | 5.00 | 0.18 | 0.00 | 0.51 | 0.66 |
| 1119 | | | | | | | |
| 1120 | 2711 | 8003 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| 1121 | 8003 | 2079 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 1122 | 2079 | 8004 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |

| 1123 | 5294 | 5295 | 12.50 | 10.81 | 0.00 | 1.28 | 3.58 |
|--------------|---------|---------|---------|-------|------|------|-------|
| 1124 | 5295 | 2195 | 7.50 | 0.11 | 0.00 | 0.77 | 1.39 |
| | | 2541 | | | | | |
| 1125 | 2195 | | 6.25 | 0.30 | 0.00 | 0.64 | 0.99 |
| 1126 | 2541 | 2333 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| 1127 | 2333 | 2416 | 3.75 | 1.69 | 0.00 | 1.53 | 11.27 |
| 1128 | 2416 | 2167 | 2.50 | 1.33 | 0.00 | 1.02 | 5.32 |
| 1129 | 5295 | 2033 | 5.00 | 0.12 | 0.00 | 0.51 | 0.66 |
| 1130 | 2033 | 1335 | 3.75 | 2.73 | 0.00 | 1.53 | 11.27 |
| | | | | | | | |
| 1131 | 1335 | 2099 | 2.50 | 0.11 | 0.00 | 1.02 | 5.32 |
| 1132 | 2099 | 1696 | 1.25 | 0.09 | 0.00 | 0.51 | 1.47 |
| 1133 | 2167 | 972 | 1.25 | 0.41 | 0.00 | 0.51 | 1.47 |
| 1134 | 5290 | 1329 | 7.50 | 2.76 | 0.00 | 0.77 | 1.39 |
| 1135 | 1329 | 2445 | 6.25 | 0.08 | 0.00 | 0.64 | 0.99 |
| | | 2391 | | | | | |
| 1136 | 2445 | | 5.00 | 0.11 | 0.00 | 0.51 | 0.66 |
| 1137 | 2391 | 2703 | 3.75 | 0.14 | 0.00 | 0.38 | 0.39 |
| 1138 | 2703 | 2420 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 1139 | 2420 | 1897 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1140 | 5274 | 2008 | 402.44 | 3.20 | 0.00 | 4.57 | 10.54 |
| | | 5296 | 401.19 | | | | |
| 1141 | 2008 | | | 3.38 | 0.00 | 4.55 | 10.48 |
| 1142 | 5296 | 754 | 10.00 | 0.61 | 0.00 | 1.02 | 2.37 |
| 1143 | 754 | 5297 | 8.75 | 0.45 | 0.00 | 0.89 | 1.85 |
| 1144 | 5297 | 1121 | 3.75 | 0.01 | 0.00 | 0.38 | 0.39 |
| 1145 | 1121 | 825 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1146 | 825 | 753 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1147 | 5297 | 930 | 5.00 | 0.06 | 0.00 | 0.51 | 0.66 |
| 1148 | 930 | 2001 | 3.75 | 0.13 | 0.00 | 0.38 | 0.39 |
| 1149 | 2001 | 2283 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1150 | 2283 | 2320 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1151 | 5296 | 80 | 391.19 | 0.79 | 0.00 | 4.44 | 10.00 |
| | 80 | 5298 | 389.94 | | | 4.42 | |
| 1152 | | | | 2.11 | 0.00 | | 9.94 |
| 1153 | 5298 | 811 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 1154 | 5298 | 5299 | 388.69 | 24.48 | 0.00 | 4.41 | 9.89 |
| 1155 | 5299 | 480 | 2.50 | 0.14 | 0.00 | 0.26 | 0.18 |
| 1156 | 480 | 1887 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 1157 | 5299 | 473 | 386.19 | 0.94 | 0.00 | 4.38 | 9.77 |
| | | | | | | | |
| 1158 | 473 | 7043 | 384.94 | 7.18 | 0.00 | 4.37 | 9.71 |
| 1159 | 7043 | 50 | 383.69 | 0.23 | 0.00 | 4.35 | 9.65 |
| 1160 | 50 | 491 | 382.44 | 5.58 | 0.00 | 4.34 | 9.59 |
| 1161 | 491 | 1054 | 381.19 | 7.88 | 0.00 | 4.33 | 9.53 |
| 1162 | 1054 | 1406 | 379.94 | 12.17 | 0.00 | 4.31 | 9.48 |
| 1163 | 1406 | 48 | 378.69 | 18.55 | 0.00 | 4.30 | 9.42 |
| | | | | | | | |
| 1164 | 48 | 238 | 377.44 | 9.21 | 0.00 | 4.28 | 9.36 |
| 1165 | 238 | 5300 | 376.19 | 21.15 | 0.00 | 4.27 | 9.30 |
| 1166 | 5300Pip | e-Plant | -153.81 | 0.06 | 0.00 | 0.98 | 0.44 |
| 1167 | PRV-1 | 5059 | 15.00 | 4.82 | 0.00 | 0.98 | 1.69 |
| 1168 | 5300 | 5301 | 530.00 | 7.42 | 0.00 | 3.38 | 4.32 |
| | 5302 | | | | | | |
| 1169 | | 1261 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1170 | 5303 | 1260 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1171 | 5303 | 1259 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1172 | 5302 | 5303 | 2.50 | 0.01 | 0.00 | 0.06 | 0.01 |
| 1173 | 5301 | 5302 | 3.75 | 0.03 | 0.00 | 0.10 | 0.01 |
| | | 7044 | | 11.81 | 0.00 | | |
| 1174 | 5301 | | 526.25 | | | 3.36 | 4.27 |
| 1175 | 7044 | 5304 | 525.00 | 5.25 | 0.00 | 3.35 | 4.25 |
| 1176 | 5304 | 1269 | 525.00 | 8.88 | 0.00 | 3.35 | 4.25 |
| 1177 | 1269 | 1086 | 523.75 | 2.57 | 0.00 | 3.34 | 4.23 |
| 1178 | 1086 | 1919 | 522.50 | 1.53 | 0.00 | 3.33 | 4.21 |
| 1179 | 1919 | 7045 | 521.25 | 10.08 | 0.00 | 3.33 | 4.19 |
| | | | | | | | |
| 1180 | 7045 | 224 | 520.00 | 1.18 | 0.00 | 3.32 | 4.17 |
| 1181 | 224 | 5305 | 518.75 | 5.61 | 0.00 | 3.31 | 4.16 |
| 1182 | 5305 | 2010 | 31.25 | 2.63 | 0.00 | 0.80 | 0.67 |
| 1183 | 2010 | 2024 | 30.00 | 1.84 | 0.00 | 0.77 | 0.62 |
| 1184 | 2024 | 5306 | 28.75 | 0.14 | 0.00 | 0.73 | 0.57 |
| | | | | | | | |
| 1185 | 5306 | 497 | 5.00 | 0.88 | 0.00 | 2.04 | 19.19 |
| 1186 | 497 | 1985 | 3.75 | 6.50 | 0.00 | 1.53 | 11.27 |
| 1187 | 1985 | 332 | 2.50 | 8.26 | 0.00 | 1.02 | 5.32 |
| 1188 | 332 | 1077 | 1.25 | 0.05 | 0.00 | 0.51 | 1.47 |
| 1189 | 5306 | 5307 | 23.75 | 7.52 | 0.00 | 1.08 | 1.63 |
| | | 5308 | 23.75 | 2.49 | 0.00 | 1.08 | 1.63 |
| 1190 | 5307 | | | | | | |
| 1191 | 5308 | 2037 | 6.25 | 0.44 | 0.00 | 0.64 | 0.99 |
| 1 192 | 2037 | 2389 | 5.00 | 0.21 | 0.00 | 0.51 | 0.66 |
| 1193 | 2389 | 5311 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| | | | | | | | |

| 1194 | 2205 | 2517 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
|------|------|------|---------|-------|------|------|-------|
| 1195 | 5311 | 2617 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1196 | 5308 | 5309 | 17.50 | 0.81 | 0.00 | 0.79 | 0.93 |
| | 5309 | 5310 | 3.75 | 0.23 | 0.00 | | |
| 1197 | | | | | | 0.38 | 0.39 |
| 1198 | 5310 | 2301 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1199 | 5310 | 1851 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| 1200 | 1851 | 2440 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1201 | 5309 | 2181 | 13.75 | 0.28 | 0.00 | 1.40 | 4.27 |
| 1202 | 2181 | 2246 | 12.50 | 0.74 | 0.00 | 1.28 | 3.58 |
| 1203 | 2246 | 2182 | 11.25 | 0.16 | 0.00 | 1.15 | 2.95 |
| 1204 | 2182 | 1638 | 10.00 | 0.14 | 0.00 | 1.02 | 2.37 |
| 1205 | 1638 | 2463 | 8.75 | 0.53 | 0.00 | 0.89 | 1.85 |
| 1206 | 2463 | 2188 | 7.50 | 0.16 | 0.00 | 0.77 | 1.39 |
| 1207 | 2206 | 1438 | 5.00 | 0.11 | 0.00 | 0.51 | 0.66 |
| 1207 | 1438 | 2183 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| | | | | | | | |
| 1209 | 2183 | 1226 | 2.50 | 0.00 | 0.00 | 0.26 | 0.18 |
| 1210 | 1226 | 2439 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1211 | 5305 | 2110 | 487.50 | 0.65 | 0.00 | 3.11 | 3.70 |
| 1212 | 2110 | 5312 | 486.25 | 0.57 | 0.00 | 3.10 | 3.69 |
| 1213 | 5312 | 1771 | 10.00 | 0.74 | 0.00 | 1.02 | 2.37 |
| 1214 | 1771 | 410 | 8.75 | 0.51 | 0.00 | 0.89 | 1.85 |
| 1215 | 410 | 2215 | 7.50 | 0.73 | 0.00 | 0.77 | 1.39 |
| 1216 | 2215 | 2090 | 6.25 | 0.72 | 0.00 | 0.64 | 0.99 |
| 1217 | 2090 | 2701 | 5.00 | 0.40 | 0.00 | 0.51 | 0.66 |
| 1218 | 2701 | 2248 | 3.75 | 0.12 | 0.00 | 0.38 | 0.39 |
| 1219 | 2248 | 2069 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| | | 2065 | | | | | |
| 1220 | 2069 | | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 1221 | 5312 | 2236 | 476.25 | 3.02 | 0.00 | 3.04 | 3.55 |
| 1222 | 5313 | 5314 | 50.00 | 17.13 | 0.00 | 2.27 | 6.48 |
| 1223 | 5314 | 1032 | 3.75 | 0.19 | 0.00 | 0.38 | 0.39 |
| 1224 | 1032 | 8048 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1225 | 8048 | 1072 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 1226 | 5314 | 1161 | 46.25 | 0.46 | 0.00 | 2.10 | 5.61 |
| 1227 | 1161 | 5315 | 45.00 | 21.75 | 0.00 | 2.04 | 5.33 |
| 1228 | 5315 | 7047 | 23.41 | 1.01 | 0.00 | 2.39 | 11.45 |
| 1229 | 7047 | 7046 | 22.16 | 0.33 | 0.00 | 2.26 | 10.34 |
| 1230 | 7046 | 5316 | 20.91 | 2.26 | 0.00 | 2.14 | 9.29 |
| 1231 | 5316 | 1524 | 3.75 | 0.06 | 0.00 | 0.38 | 0.39 |
| 1232 | 1524 | 161 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 1233 | 5316 | 5317 | 17.16 | 0.75 | 0.00 | 1.75 | 6.44 |
| 1234 | 5317 | 311 | 16.22 | 0.32 | 0.00 | 1.66 | 5.80 |
| 1235 | 311 | 5318 | 14.97 | 0.70 | 0.00 | 1.53 | 5.00 |
| 1236 | 5318 | 2261 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 1237 | 2261 | 1011 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1238 | 5317 | 1907 | 0.94 | 0.00 | 0.00 | 0.10 | 0.03 |
| 1239 | 1907 | 303 | -0.31 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1240 | 303 | 324 | -1.56 | 0.00 | 0.00 | 0.16 | 0.08 |
| 1241 | 324 | 344 | -2.81 | 0.02 | 0.00 | 0.29 | 0.23 |
| 1242 | 344 | 19 | -4.06 | 0.11 | 0.00 | 0.41 | 0.45 |
| 1243 | 19 | 5319 | -5.31 | 0.00 | 0.00 | 0.14 | 0.03 |
| 1244 | 5315 | 7048 | 21.59 | 1.44 | 0.00 | 2.20 | 9.86 |
| 1245 | 7048 | 7049 | 20.34 | 1.03 | 0.00 | 2.08 | 8.83 |
| | | 5319 | | | 0.00 | | |
| 1246 | 7049 | | 19.09 | 1.74 | | 1.95 | 7.85 |
| 1247 | 5319 | 56 | 13.78 | 0.01 | 0.00 | 0.35 | 0.15 |
| 1248 | 56 | 203 | 12.53 | 0.34 | 0.00 | 1.28 | 3.60 |
| 1249 | 203 | 268 | 11.28 | 1.37 | 0.00 | 1.15 | 2.96 |
| 1250 | 268 | 7050 | 10.03 | 0.02 | 0.00 | 1.02 | 2.38 |
| 1251 | 7050 | 1975 | 8.78 | 0.08 | 0.00 | 0.90 | 1.86 |
| 1252 | 1975 | 7051 | 7.53 | 0.38 | 0.00 | 0.77 | 1.40 |
| 1253 | 7051 | 265 | 6.28 | 0.11 | 0.00 | 0.64 | 1.00 |
| 1254 | 265 | 160 | 5.03 | 0.03 | 0.00 | 0.51 | 0.66 |
| 1255 | 5050 | 5321 | -267.53 | 0.54 | 0.00 | 3.04 | 4.95 |
| 1256 | 5283 | 5321 | 278.78 | 2.30 | 0.00 | 3.16 | 5.34 |
| | | | 2.50 | | | | |
| 1257 | 2699 | 5058 | | 0.04 | 0.00 | 0.16 | 0.06 |
| 1258 | 5275 | 1492 | 53.75 | 0.55 | 0.00 | 1.37 | 1.83 |
| 1259 | 2188 | 2206 | 6.25 | 0.08 | 0.00 | 0.64 | 0.99 |
| 1260 | 160 | 5320 | 3.78 | 0.01 | 0.00 | 0.39 | 0.39 |
| 1261 | 5320 | 1188 | 1.28 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1262 | 1188 | 490 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1263 | 490 | 1018 | -1.22 | 0.01 | 0.00 | 0.12 | 0.05 |
| 1264 | 1018 | 337 | -2.47 | 0.09 | 0.00 | 0.25 | 0.18 |
| | | | | | | | |

| 1265 | 337 | 16 | -3.72 | 0.09 | 0.00 | 0.38 | 0.38 |
|------|------|------|--------|------|------|------|-------|
| 1266 | 16 | 2339 | -4.97 | 0.00 | 0.00 | 0.13 | 0.02 |
| | | | | | | | |
| 1267 | 2339 | 255 | -6.22 | 0.03 | 0.00 | 0.63 | 0.98 |
| 1268 | 255 | 213 | -7.47 | 0.01 | 0.00 | 0.76 | 1.38 |
| 1269 | 213 | 229 | -8.72 | 0.12 | 0.00 | 0.89 | 1.84 |
| 1270 | 229 | 293 | -9.97 | 0.18 | 0.00 | 1.02 | 2.35 |
| | | | | | | | |
| 1271 | 293 | 259 | -11.22 | 0.05 | 0.00 | 1.15 | 2.93 |
| 1272 | 259 | 5318 | -12.47 | 0.64 | 0.00 | 1.27 | 3.56 |
| 1273 | 5320 | 5322 | 2.50 | 0.13 | 0.00 | 0.26 | 0.18 |
| 1274 | 5322 | 1196 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1275 | 5322 | 5323 | 1.25 | 0.05 | 0.00 | 0.13 | 0.05 |
| 1276 | 5323 | 8052 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1277 | 5323 | 5324 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1278 | 2236 | 5313 | 475.00 | 0.36 | 0.00 | 3.03 | 3.53 |
| | | | | | | | |
| 1279 | 5313 | 1446 | 425.00 | 0.09 | 0.00 | 2.71 | 2.87 |
| 1280 | 1446 | 2595 | 423.75 | 2.33 | 0.00 | 2.70 | 2.86 |
| 1281 | 2595 | 1449 | 422.50 | 0.94 | 0.00 | 2.70 | 2.84 |
| 1282 | 1449 | 2552 | 421.25 | 1.46 | 0.00 | 2.69 | 2.83 |
| | | | | | | | |
| 1283 | 2552 | 791 | 420.00 | 0.31 | 0.00 | 2.68 | 2.81 |
| 1284 | 791 | 2313 | 418.75 | 1.81 | 0.00 | 2.67 | 2.80 |
| 1285 | 2313 | 475 | 417.50 | 1.37 | 0.00 | 2.66 | 2.78 |
| 1286 | 475 | 5325 | 416.25 | 6.02 | 0.00 | 2.66 | 2.76 |
| | | | | | | | |
| 1287 | 5325 | 7052 | 6.25 | 0.09 | 0.00 | 0.64 | 0.99 |
| 1288 | 7052 | 7053 | 5.00 | 0.06 | 0.00 | 0.51 | 0.66 |
| 1289 | 7053 | 854 | 3.75 | 0.12 | 0.00 | 0.38 | 0.39 |
| 1290 | 854 | 657 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 1291 | 657 | 2004 | 1.25 | | 0.00 | | |
| | | | | 0.01 | | 0.13 | 0.05 |
| 1292 | 5326 | 2620 | 3.75 | 3.69 | 0.00 | 0.68 | 1.56 |
| 1293 | 2620 | 2718 | 2.50 | 0.01 | 0.00 | 0.45 | 0.74 |
| 1294 | 2718 | 1507 | 1.25 | 0.00 | 0.00 | 0.23 | 0.20 |
| 1296 | 5325 | 893 | 410.00 | 0.62 | 0.00 | 2.62 | 2.69 |
| | | | | | | | |
| 1297 | 893 | 1346 | 408.75 | 3.22 | 0.00 | 2.61 | 2.67 |
| 1298 | 1346 | 5327 | 407.50 | 0.19 | 0.00 | 2.60 | 2.66 |
| 1299 | 5327 | 8038 | 36.25 | 1.60 | 0.00 | 1.65 | 3.57 |
| 1300 | 8038 | 8037 | 35.00 | 0.17 | 0.00 | 1.59 | 3.35 |
| | | | | | | | |
| 1301 | 8037 | 2559 | 33.75 | 0.90 | 0.00 | 1.53 | 3.13 |
| 1302 | 2559 | 1704 | 32.50 | 1.82 | 0.00 | 1.48 | 2.92 |
| 1303 | 1704 | 240 | 31.25 | 2.42 | 0.00 | 1.42 | 2.71 |
| 1304 | 240 | 1644 | 30.00 | 1.74 | 0.00 | 1.36 | 2.52 |
| | 1644 | 1190 | 28.75 | | | | |
| 1305 | | | | 0.26 | 0.00 | 1.30 | 2.33 |
| 1306 | 1190 | 1903 | 27.50 | 0.39 | 0.00 | 1.25 | 2.14 |
| 1307 | 1903 | 2470 | 26.25 | 0.65 | 0.00 | 1.19 | 1.96 |
| 1308 | 2470 | 7054 | 25.00 | 0.14 | 0.00 | 1.13 | 1.79 |
| 1309 | 7054 | 5328 | 23.75 | 0.53 | 0.00 | 1.08 | 1.63 |
| | | | | | | | |
| 1310 | 5328 | 202 | 8.75 | 0.14 | 0.00 | 0.89 | 1.85 |
| 1311 | 202 | 1588 | 7.50 | 0.06 | 0.00 | 0.77 | 1.39 |
| 1312 | 1588 | 1827 | 6.25 | 0.11 | 0.00 | 0.64 | 0.99 |
| 1313 | 1827 | 1423 | 5.00 | 0.05 | 0.00 | 0.51 | 0.66 |
| 1314 | 1423 | 2230 | 3.75 | 0.01 | 0.00 | | |
| | | | | | | 0.38 | 0.39 |
| 1315 | 2230 | 1943 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1316 | 1943 | 7055 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1317 | 5328 | 5329 | 15.00 | 1.60 | 0.00 | 0.68 | 0.70 |
| 1318 | 5329 | 1840 | 2.50 | 0.07 | 0.00 | 0.16 | 0.06 |
| | | | | | | | |
| 1319 | 1840 | 5330 | 1.25 | 0.03 | 0.00 | 0.08 | 0.02 |
| 1320 | 5330 | 907 | 1.25 | 0.06 | 0.00 | 0.13 | 0.05 |
| 1321 | 5329 | 1984 | 12.50 | 0.94 | 0.00 | 0.82 | 1.21 |
| 1323 | 1984 | 7073 | 11.25 | 0.60 | 0.00 | 0.74 | 0.99 |
| | | | | | | | |
| 1324 | 5076 | 2432 | 2.50 | 0.56 | 0.00 | 0.26 | 0.18 |
| 1325 | 2432 | 2055 | 1.25 | 0.12 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1326 | 7073 | 1000 | 10.00 | 0.08 | 0.00 | 0.65 | 0.80 |
| 1327 | 1000 | 1729 | 8.75 | 0.56 | 0.00 | 0.57 | 0.62 |
| | | | | | | | |
| 1328 | 1729 | 5331 | 7.50 | 1.39 | 0.00 | 0.49 | 0.47 |
| 1329 | 5331 | 5332 | 7.50 | 1.88 | 0.00 | 0.49 | 0.47 |
| 1330 | 5332 | 2413 | 7.50 | 0.13 | 0.00 | 0.49 | 0.47 |
| 1331 | 2413 | 5333 | 6.25 | 0.01 | 0.00 | 0.41 | 0.33 |
| | | | | | | | |
| 1332 | 5333 | 1574 | 6.25 | 0.14 | 0.00 | 0.41 | 0.33 |
| 1333 | 1574 | 2007 | 5.00 | 0.08 | 0.00 | 0.33 | 0.22 |
| 1334 | 2007 | 1270 | 3.75 | 0.05 | 0.00 | 0.25 | 0.13 |
| 1335 | 5334 | 5136 | -26.25 | 0.78 | 0.00 | 2.68 | 14.15 |
| | | | -25.00 | | | | |
| 1336 | 2444 | 5334 | -25.00 | 0.70 | 0.00 | 2.55 | 12.93 |

| 1337 | 1270 | 120 | 2.50 | 0.07 | 0.00 | 0.26 | 0.18 |
|---------|-------------|------|----------|-------|------|------|---------|
| 1338 | 120 | 1340 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1339 | 1370 | J-63 | -417.55 | 20.74 | 0.00 | 4.74 | 11.29 |
| 1340-CV | FGN-LLHem | | 14449.44 | 80.00 | | | 8000.01 |
| | 716 | 5336 | 370.00 | 15.86 | 0.00 | 4.20 | 9.02 |
| 1341 | | | | | | | |
| 1342 | 8059 | 5336 | -1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1343 | 1198 | 5230 | 5.00 | 0.03 | 0.00 | 0.51 | 0.66 |
| 1344 | 327 | 8006 | 42.50 | 3.14 | 0.00 | 1.09 | 1.18 |
| 1345 | 1837 | 2455 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1346 | 5214 | 1698 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1347 | 5261 | 926 | -33.75 | 0.14 | 0.00 | 0.38 | 0.11 |
| 1348 | 5336 | 1348 | 6.25 | 3.42 | 0.00 | 2.55 | 29.01 |
| 1349 | 1348 | 1037 | 3.75 | 4.59 | 0.00 | 1.53 | 11.27 |
| 1350 | 1037 | 2265 | 2.50 | 0.53 | 0.00 | 1.02 | 5.32 |
| | 2265 | 2274 | | | 0.00 | | |
| 1351 | | | 1.25 | 0.15 | | 0.51 | 1.47 |
| 1352 | 1348 | 1023 | 1.25 | 0.08 | 0.00 | 0.51 | 1.47 |
| 1353 | 1017 | 1336 | 361.25 | 0.30 | 0.00 | 4.10 | 8.63 |
| 1354 | 5336 | 1017 | 362.50 | 0.73 | 0.00 | 4.11 | 8.69 |
| 1355 | 1336 | 5337 | 360.00 | 3.18 | 0.00 | 4.08 | 8.58 |
| 1356 | 5337 | 1728 | 350.00 | 1.87 | 0.00 | 3.97 | 8.14 |
| 1357 | 1728 | 2589 | 348.75 | 1.16 | 0.00 | 3.96 | 8.09 |
| 1358 | 2589 | 5338 | 347.50 | 1.78 | 0.00 | 3.94 | 8.03 |
| 1359 | 5337 | 5339 | 10.00 | 2.51 | 0.00 | 1.02 | 2.37 |
| 1360 | 5339 | 5340 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 1361 | 5340 | 1055 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| | | 661 | | 0.00 | 0.00 | 0.13 | 0.15 |
| 1362 | 1055 | | 1.25 | | | | |
| 1363 | 5339 | 2238 | 7.50 | 0.07 | 0.00 | 0.77 | 1.39 |
| 1364 | 2238 | 1720 | 6.25 | 0.18 | 0.00 | 0.64 | 0.99 |
| 1365 | 1720 | 8061 | 5.00 | 0.05 | 0.00 | 0.51 | 0.66 |
| 1366 | 8061 | 1721 | 3.75 | 0.06 | 0.00 | 0.38 | 0.39 |
| 1367 | 1721 | 820 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 1368 | 820 | 2555 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1369 | 5338 | 731 | 347.50 | 6.56 | 0.00 | 3.94 | 8.03 |
| 1370 | 731 | 2649 | 346.25 | 8.41 | 0.00 | 3.93 | 7.98 |
| 1371 | 2649 | 5341 | 345.00 | 1.66 | 0.00 | 3.91 | 7.93 |
| 1372 | 5341 | 5342 | 345.00 | 15.46 | 0.00 | 3.91 | 7.93 |
| 1373 | 5342 | 72 | 275.00 | 1.36 | 0.00 | 3.12 | 5.21 |
| 1374 | 5344 | 2108 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1375 | 72 | 8070 | 228.85 | 1.93 | 0.00 | 2.60 | 3.71 |
| 1376 | 5344 | 5345 | 43.65 | 2.38 | 0.00 | 1.98 | 5.04 |
| 1377 | 5345 | 2315 | 36.15 | 0.07 | 0.00 | 1.64 | 3.55 |
| 1378 | 5345 | 5346 | 7.50 | 0.08 | 0.00 | 0.34 | 0.19 |
| | 5346 | 5343 | 7.50 | 0.02 | 0.00 | 0.34 | 0.19 |
| 1379 | | | | | | | |
| 1380 | 5343 | 2280 | 7.50 | 0.06 | 0.00 | 0.34 | 0.19 |
| 1381 | 2280 | 1695 | 6.25 | 0.01 | 0.00 | 0.28 | 0.14 |
| 1382 | 1695 | 2282 | 5.00 | 0.03 | 0.00 | 0.23 | 0.09 |
| 1383 | 2282 | 2139 | 3.75 | 0.12 | 0.00 | 0.38 | 0.39 |
| 1384 | 2139 | 2116 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1385 | 2116 | 2268 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1386 | 2315 | 2306 | 34.90 | 0.93 | 0.00 | 1.58 | 3.33 |
| 1387 | 8070 | 1543 | 227.60 | 1.64 | 0.00 | 2.58 | 3.67 |
| 1388 | 2306 | 5347 | 33.65 | 1.12 | 0.00 | 1.53 | 3.11 |
| 1389 | 1543 | 254 | 226.35 | 1.84 | 0.00 | 2.57 | 3.63 |
| 1390 | 5347 | 5348 | 29.90 | 0.73 | 0.00 | 1.36 | 2.50 |
| | | | | | 0.00 | | |
| 1391 | 5347 | 2397 | 3.75 | 0.10 | | 0.38 | 0.39 |
| 1392 | 2397 | 2379 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 1393 | 2379 | 2330 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1394 | 5348 | 2338 | 255.00 | 0.06 | 0.00 | 2.89 | 4.53 |
| 1395 | 2338 | 478 | 253.75 | 1.02 | 0.00 | 2.88 | 4.49 |
| 1396 | 5327 | 716 | 371.25 | 0.89 | 0.00 | 4.21 | 9.08 |
| 1397 | 5344 | 72 | -44.90 | 0.58 | 0.00 | 2.04 | 5.31 |
| 1398 | 5348 | 254 | -225.10 | 0.40 | 0.00 | 2.55 | 3.59 |
| 1399 | 478 | 5350 | 252.50 | 1.03 | 0.00 | 2.86 | 4.45 |
| 1400 | 5350 | 5349 | 252.50 | 10.99 | 0.00 | 2.86 | 4.45 |
| 1401 | 5349 | 2643 | 251.25 | 1.23 | 0.00 | 2.85 | 4.41 |
| 1402 | 2643 | 493 | 250.00 | 0.44 | 0.00 | 2.84 | 4.37 |
| 1403 | 493 | 2013 | 248.75 | 0.83 | 0.00 | 2.82 | 4.33 |
| | 2013 | 2143 | 247.50 | 0.76 | 0.00 | 2.81 | 4.28 |
| 1404 | | 2359 | 246.25 | 0.76 | 0.00 | 2.79 | 4.24 |
| 1405 | 2143 | | | | | | |
| 1406 | 358
5351 | 5351 | 243.75 | 0.39 | 0.00 | 2.77 | 4.17 |
| 1407 | 5351 | 1473 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |

| 1408 | 5351 | 1508 | 105.19 | 0.16 | 0.00 | 1.19 | 0.88 |
|------|------|------|--------|------|------|------|-------|
| 1409 | 5349 | 1233 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 1410 | 2359 | 358 | 245.00 | 0.32 | 0.00 | 2.78 | 4.21 |
| 1411 | 1508 | 5352 | 103.94 | 0.07 | 0.00 | 1.18 | 0.86 |
| | | | | | | | |
| 1412 | 5351 | 2346 | 137.31 | 0.76 | 0.00 | 3.51 | 10.37 |
| 1413 | 5352 | 1917 | 103.94 | 0.04 | 0.00 | 1.18 | 0.86 |
| 1414 | 1917 | 1066 | 102.69 | 0.03 | 0.00 | 1.17 | 0.84 |
| 1415 | 1066 | 51 | 101.44 | 0.17 | 0.00 | 1.15 | 0.82 |
| 1416 | 51 | 1280 | 100.19 | 0.25 | 0.00 | 1.14 | 0.80 |
| 1417 | 1280 | 5353 | 98.94 | 0.02 | 0.00 | 1.12 | 0.78 |
| 1418 | 5353 | 2142 | 98.94 | 0.14 | 0.00 | 1.12 | 0.78 |
| 1419 | 2142 | 1893 | 97.69 | 0.13 | 0.00 | 1.11 | 0.77 |
| 1420 | 1893 | 708 | 96.44 | 0.17 | 0.00 | 1.09 | 0.75 |
| 1421 | 708 | 647 | 95.19 | 0.11 | 0.00 | 1.08 | 0.73 |
| 1422 | 647 | 5354 | 93.94 | 0.05 | 0.00 | 1.07 | 0.71 |
| 1423 | 5354 | 5 | 3.75 | 0.00 | 0.00 | 0.10 | 0.01 |
| 1424 | 5 | 1522 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 1425 | 1522 | 1604 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1426 | 1522 | 5355 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1427 | 5354 | 5356 | 90.19 | 0.17 | 0.00 | 1.02 | 0.66 |
| | | 1327 | 17.50 | 0.55 | 0.00 | 0.79 | 0.93 |
| 1428 | 5356 | | | | | | |
| 1429 | 1327 | 2042 | 16.25 | 0.22 | 0.00 | 0.74 | 0.81 |
| 1430 | 2042 | 1278 | 15.00 | 0.19 | 0.00 | 0.68 | 0.70 |
| 1431 | 1278 | 2128 | 13.75 | 0.33 | 0.00 | 0.62 | 0.59 |
| 1432 | 2128 | 1951 | 12.50 | 0.10 | 0.00 | 0.57 | 0.50 |
| 1433 | 1951 | 1948 | 11.25 | 0.33 | 0.00 | 0.51 | 0.41 |
| 1434 | 1948 | 1825 | 10.00 | 0.07 | 0.00 | 0.45 | 0.33 |
| 1435 | 1825 | 5357 | 8.75 | 0.00 | 0.00 | 0.40 | 0.26 |
| 1436 | 5357 | 1114 | 1.25 | 0.01 | 0.00 | 0.06 | 0.01 |
| 1437 | 5357 | 864 | 7.50 | 0.07 | 0.00 | 0.34 | 0.19 |
| 1438 | 864 | 1950 | 6.25 | 0.08 | 0.00 | 0.28 | 0.14 |
| 1439 | 1950 | 2170 | 5.00 | 0.05 | 0.00 | 0.23 | 0.09 |
| 1440 | 2170 | 2264 | 3.75 | 0.04 | 0.00 | 0.17 | 0.05 |
| 1441 | 2264 | 5358 | 2.50 | 0.02 | 0.00 | 0.11 | 0.03 |
| 1442 | 5358 | 896 | 2.50 | 0.03 | 0.00 | 0.11 | 0.03 |
| 1443 | 896 | 1443 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1444 | 5359 | 1928 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 1445 | 1928 | 2124 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1446 | 2124 | 8009 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1447 | 2113 | 2371 | -1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | 2371 | 2563 | -2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 1448 | | | | 0.02 | | | |
| 1449 | 2563 | 5360 | -3.75 | | 0.00 | 0.38 | 0.39 |
| 1450 | 5360 | 2292 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1452 | 858 | J-1 | -1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1453 | 5361 | 746 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1454 | 5361 | 2469 | 8.94 | 0.01 | 0.00 | 0.41 | 0.27 |
| 1455 | 2469 | 1671 | 7.69 | 0.01 | 0.00 | 0.35 | 0.20 |
| 1456 | 1671 | 1581 | 6.44 | 0.00 | 0.00 | 0.29 | 0.15 |
| 1457 | 1581 | 2566 | 5.19 | 0.00 | 0.00 | 0.24 | 0.10 |
| 1458 | 2566 | 5362 | 3.94 | 0.00 | 0.00 | 0.18 | 0.06 |
| 1459 | 5362 | 529 | 33.75 | 0.05 | 0.00 | 1.53 | 3.13 |
| 1460 | 529 | 883 | 32.50 | 0.26 | 0.00 | 1.48 | 2.92 |
| 1461 | 883 | 5363 | 31.25 | 0.14 | 0.00 | 1.42 | 2.71 |
| 1462 | 5363 | 2160 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1463 | 5363 | 1266 | 30.00 | 0.14 | 0.00 | 1.36 | 2.52 |
| 1464 | 1266 | 1616 | 28.75 | 0.31 | 0.00 | 1.30 | 2.33 |
| 1465 | 5364 | 2692 | 5.00 | 0.04 | 0.00 | 0.51 | 0.66 |
| 1466 | 2692 | 5365 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 1467 | 5365 | 241 | 3.75 | 0.34 | 0.00 | 1.53 | 11.27 |
| 1468 | 241 | 1727 | 2.50 | 0.27 | 0.00 | 1.02 | 5.32 |
| 1469 | 5364 | 8010 | 22.50 | 2.34 | 0.00 | 2.30 | 10.64 |
| | 8010 | 1706 | 21.25 | 0.69 | 0.00 | 2.17 | 9.57 |
| 1470 | | | | | | | |
| 1471 | 1727 | 186 | 1.25 | 0.05 | 0.00 | 0.51 | 1.47 |
| 1472 | 1706 | 1474 | 20.00 | 0.43 | 0.00 | 2.04 | 8.55 |
| 1473 | 1474 | 1495 | 18.75 | 0.38 | 0.00 | 1.91 | 7.59 |
| 1474 | 1495 | 336 | 17.50 | 1.16 | 0.00 | 1.79 | 6.68 |
| 1475 | 336 | 8068 | 16.25 | 0.55 | 0.00 | 1.66 | 5.82 |
| 1476 | 8068 | 1505 | 15.00 | 0.20 | 0.00 | 1.53 | 5.02 |
| 1477 | 1505 | 2564 | 13.75 | 0.04 | 0.00 | 1.40 | 4.27 |
| 1478 | 2564 | 967 | 12.50 | 0.33 | 0.00 | 1.28 | 3.58 |
| 1479 | 967 | 231 | 11.25 | 0.10 | 0.00 | 1.15 | 2.95 |
| | | | | | | | |

| 1480 | 231 | 2600 | 10.00 | 0.09 | 0.00 | 1.02 | 2.37 |
|--------------|------|------|---------|------|------|------|------|
| 1481 | 2600 | 2165 | 8.75 | 0.04 | 0.00 | 0.89 | 1.85 |
| 1482 | 2165 | 2448 | 7.50 | 0.14 | 0.00 | 0.77 | 1.39 |
| | 2448 | 1619 | 6.25 | 0.14 | | | |
| 1483 | | | | | 0.00 | 0.64 | 0.99 |
| 1484 | 1619 | 2254 | 5.00 | 0.04 | 0.00 | 0.51 | 0.66 |
| 1485 | 2254 | 8011 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 1486 | 8011 | 373 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1487 | 373 | 2235 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1488 | 288 | 290 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1489 | 5366 | 288 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 1490 | 288 | 479 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1491 | 5366 | 132 | -3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 1492 | 132 | 40 | -5.00 | 0.01 | 0.00 | 0.51 | 0.66 |
| 1493 | 40 | 2191 | -6.25 | 0.00 | 0.00 | 0.16 | 0.03 |
| 1494 | 2191 | 2032 | -7.50 | 0.09 | 0.00 | 0.77 | 1.39 |
| 1495 | 5367 | 1481 | 38.56 | 0.99 | 0.00 | 1.75 | 4.01 |
| | | | | | | | |
| 1496 | 1481 | 852 | 37.31 | 0.15 | 0.00 | 1.69 | 3.77 |
| 1497 | 852 | 8013 | 36.06 | 0.21 | 0.00 | 1.64 | 3.54 |
| 1498 | 8012 | 1707 | -1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1499 | 1707 | 8013 | -2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| 1500 | 8013 | 1145 | 32.31 | 0.42 | 0.00 | 1.47 | 2.89 |
| 1501 | 5362 | 236 | -29.81 | 0.23 | 0.00 | 1.35 | 2.49 |
| 1502 | 236 | 1145 | -31.06 | 0.36 | 0.00 | 1.41 | 2.68 |
| 1503 | 5367 | 5368 | -47.31 | 1.33 | 0.00 | 2.15 | 5.85 |
| 1504 | 2032 | 5367 | -8.75 | 0.08 | 0.00 | 0.89 | 1.85 |
| 1505 | 5368 | 5359 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 1506 | 5368 | 5369 | -51.06 | 0.37 | 0.00 | 1.30 | 1.66 |
| | | | 5.00 | | | | |
| 1507 | 5369 | 2231 | | 0.08 | 0.00 | 0.51 | 0.66 |
| 1508 | 2231 | 5370 | 3.75 | 0.06 | 0.00 | 0.38 | 0.39 |
| 1509 | 5370 | 2311 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 1510 | 2311 | 777 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 1511 | 777 | 910 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1512 | 5369 | 1535 | -56.06 | 0.28 | 0.00 | 1.43 | 1.97 |
| 1513 | 1535 | 577 | -57.31 | 0.17 | 0.00 | 1.46 | 2.06 |
| 1514 | 577 | 1091 | -58.56 | 0.03 | 0.00 | 1.50 | 2.14 |
| 1515 | 1091 | 2111 | -59.81 | 0.17 | 0.00 | 1.53 | 2.22 |
| 1516 | 2111 | 1169 | -61.06 | 0.26 | 0.00 | 1.56 | 2.31 |
| 1517 | 1169 | 730 | -62.31 | 0.15 | 0.00 | 1.59 | 2.40 |
| 1518 | 730 | 433 | -63.56 | 0.12 | 0.00 | 1.62 | 2.49 |
| | | | | | | | |
| 1519 | 433 | 1041 | -64.81 | 0.31 | 0.00 | 1.65 | 2.58 |
| 1520 | 592 | 541 | -67.31 | 0.10 | 0.00 | 1.72 | 2.77 |
| 1521 | 541 | 140 | -68.56 | 0.13 | 0.00 | 1.75 | 2.86 |
| 1522 | 140 | 2407 | -69.81 | 0.03 | 0.00 | 1.78 | 2.96 |
| 1523 | 2407 | 7056 | -71.06 | 0.23 | 0.00 | 1.81 | 3.06 |
| 1524 | 1041 | 592 | -66.06 | 0.15 | 0.00 | 1.69 | 2.67 |
| 1525 | 7056 | 123 | -72.31 | 0.26 | 0.00 | 1.85 | 3.16 |
| 1526 | 123 | 918 | -73.56 | 0.16 | 0.00 | 1.88 | 3.26 |
| 1527 | 918 | 1027 | -74.81 | 0.22 | 0.00 | 1.91 | 3.37 |
| 1528 | 1027 | 997 | -76.06 | 0.07 | 0.00 | 1.94 | 3.47 |
| 1529 | 997 | 1583 | -77.31 | 0.16 | 0.00 | 1.97 | 3.58 |
| 1530 | 1583 | 1626 | -78.56 | 0.15 | 0.00 | 2.01 | 3,69 |
| | 1626 | 2425 | -79.81 | 0.30 | 0.00 | 2.04 | |
| 1531 | | | | | | | 3.80 |
| 1532 | 2425 | 550 | -81.06 | 0.12 | 0.00 | 2.07 | 3.91 |
| 1533 | 550 | 233 | -82.31 | 0.10 | 0.00 | 2.10 | 4.02 |
| 1534 | 233 | 383 | -83.56 | 0.21 | 0.00 | 2.13 | 4.13 |
| 1535 | 383 | 5371 | -84.81 | 0.42 | 0.00 | 2.17 | 4.25 |
| 1536 | 5371 | 659 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1537 | 5371 | 5372 | -86.06 | 0.13 | 0.00 | 2.20 | 4.36 |
| 1538 | 5372 | 1972 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1539 | 5372 | 1350 | -87.31 | 0.54 | 0.00 | 2.23 | 4.48 |
| 1540 | 1350 | 1625 | -88.56 | 0.12 | 0.00 | 2.26 | 4.60 |
| 1541 | 1625 | 256 | -89.81 | 0.21 | 0.00 | 2.29 | 4.72 |
| | | 783 | -91.06 | 0.13 | 0.00 | 2.32 | 4.85 |
| 1542 | 256 | | | | | | |
| 1543 | 783 | 1514 | -92.31 | 0.35 | 0.00 | 2.36 | 4.97 |
| 1544 | 1514 | 1059 | -93.56 | 0.38 | 0.00 | 2.39 | 5.09 |
| 1545 | 1059 | 2093 | -94.81 | 0.16 | 0.00 | 2.42 | 5.22 |
| 1546 | 2093 | 8014 | -96.06 | 0.43 | 0.00 | 2.45 | 5.35 |
| 1547 | 8014 | 526 | -97.31 | 0.79 | 0.00 | 2.48 | 5.48 |
| 1548 | 526 | 2308 | -98.56 | 0.57 | 0.00 | 2.52 | 5.61 |
| 1549 | 2308 | 944 | -99.81 | 0.55 | 0.00 | 2.55 | 5.74 |
| 1550 | 944 | 5373 | -101.06 | 0.72 | 0.00 | 2.58 | 5.88 |
| - | | | _ | | | | |

| 1551 | 5373 | 2493 | -126.06 | 0.54 | 0.00 | 3.22 | 8.85 |
|------|------|------|---------|-------|------|------|-------|
| | | 1600 | | | | | |
| 1552 | 2493 | | -127.31 | 0.82 | 0.00 | 3.25 | 9.01 |
| 1553 | 1600 | 1892 | -128.56 | 1.06 | 0.00 | 3.28 | 9.18 |
| 1554 | 1892 | 1458 | -129.81 | 3.29 | 0.00 | 3.31 | 9,34 |
| 1555 | 1458 | 859 | -131.06 | 0.77 | 0.00 | 3.35 | 9.51 |
| | | | | | | | |
| 1556 | 859 | 888 | -132.31 | 0.71 | 0.00 | 3.38 | 9.68 |
| 1557 | 888 | 2227 | -133.56 | 0.15 | 0.00 | 3.41 | 9.85 |
| 1558 | 2227 | 1477 | -134.81 | 2.67 | 0.00 | 3.44 | 10.02 |
| | | | | | | | |
| 1559 | 2346 | 1477 | 136.06 | 0.33 | 0.00 | 3.47 | 10.19 |
| 1560 | 5373 | 124 | 25.00 | 0.39 | 0.00 | 1.13 | 1.79 |
| 1561 | 124 | 5374 | 23.75 | 0.11 | 0.00 | 1.08 | 1.63 |
| 1562 | 5374 | 602 | 11.87 | 0.19 | 0.00 | 1.21 | 3.25 |
| | | | | | | | |
| 1563 | 602 | 533 | 10.62 | 0.24 | 0.00 | 1.08 | 2.65 |
| 1564 | 533 | 879 | 9.37 | 0.14 | 0.00 | 0.96 | 2.10 |
| 1565 | 879 | 1978 | 8.12 | 0.04 | 0.00 | 0.83 | 1.61 |
| 1566 | 1978 | 964 | 6.87 | 0.06 | 0.00 | 0.70 | 1.18 |
| | | | | | | | |
| 1567 | 964 | 1487 | 5.62 | 0.03 | 0.00 | 0.57 | 0.81 |
| 1568 | 1487 | 834 | 4.37 | 0.06 | 0.00 | 0.45 | 0.51 |
| 1569 | 834 | 2273 | 3.12 | 0.03 | 0.00 | 0.32 | 0.27 |
| | 2273 | 2169 | 1.87 | 0.01 | 0.00 | | |
| 1570 | | | | | | 0.19 | 0.11 |
| 1571 | 2169 | 1710 | 0.62 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1572 | 1710 | 1737 | -0.63 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1573 | 1737 | 980 | -1.88 | 0.01 | 0.00 | 0.19 | 0.11 |
| | | | | | | | |
| 1574 | 980 | 1669 | -3.13 | 0.04 | 0.00 | 0.32 | 0.28 |
| 1575 | 1669 | 2293 | -4.38 | 0.06 | 0.00 | 0.45 | 0.51 |
| 1576 | 2293 | 778 | -5.63 | 0.04 | 0.00 | 0.58 | 0.82 |
| 1577 | 778 | 77 | -6.88 | 0.02 | 0.00 | 0.70 | 1.19 |
| | | | | | | | |
| 1578 | 481 | 779 | 10.63 | 0.23 | 0.00 | 1.09 | 2.65 |
| 1579 | 5361 | 5375 | -16.44 | 0.30 | 0.00 | 0.75 | 0.83 |
| 1580 | 5375 | 5376 | 48.75 | 13.40 | 0.00 | 2.21 | 6.18 |
| | | | | | | | |
| 1581 | 5376 | 405 | 8.75 | 0.41 | 0.00 | 0.89 | 1.85 |
| 1582 | 405 | 2547 | 7.50 | 0.17 | 0.00 | 0.77 | 1.39 |
| 1583 | 2547 | 1921 | 6.25 | 0.05 | 0.00 | 0.64 | 0.99 |
| 1584 | 1921 | 2542 | 5.00 | 0.15 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 1585 | 2542 | 2543 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 1586 | 2543 | 584 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1587 | 584 | 978 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1588 | 5376 | 235 | 40.00 | 0.14 | 0.00 | 1.82 | 4.29 |
| | | | | | | | |
| 1589 | 235 | 42 | 38.75 | 0.16 | 0.00 | 0.99 | 1.00 |
| 1590 | 42 | 2579 | 37.50 | 0.39 | 0.00 | 1.70 | 3.80 |
| 1591 | 2579 | 113 | 36.25 | 0.26 | 0.00 | 1.65 | 3.57 |
| 1592 | 113 | 438 | 35.00 | 0.11 | 0.00 | 1.59 | 3.35 |
| | | | | | | | |
| 1593 | 438 | 2473 | 33.75 | 0.09 | 0.00 | 1.53 | 3.13 |
| 1594 | 2473 | 5377 | 32.50 | 0.32 | 0.00 | 1.48 | 2.92 |
| 1595 | 5377 | 5378 | 22.50 | 0.79 | 0.00 | 1.02 | 1.48 |
| 1596 | 5378 | 1031 | 6.25 | 0.16 | 0.00 | 0.64 | 0.99 |
| | | | | | | | |
| 1597 | 1031 | 1183 | 5.00 | 0.14 | 0.00 | 0.51 | 0.66 |
| 1598 | 1183 | 1185 | 3.75 | 0.12 | 0.00 | 0.38 | 0.39 |
| 1599 | 1185 | 2625 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 1600 | 2625 | 1448 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1601 | 5378 | 8025 | 16.25 | 0.08 | 0.00 | 0.74 | 0.81 |
| 1602 | 8025 | 5379 | 15.00 | 0.26 | 0.00 | 0.68 | 0.70 |
| 1603 | 5379 | 5380 | 12.50 | 3.69 | 0.00 | 1.28 | 3.58 |
| 1604 | 5380 | 35 | 9.07 | 0.03 | 0.00 | 0.23 | 0.07 |
| | | | | | | | |
| 1605 | 35 | 1722 | 7.82 | 0.06 | 0.00 | 0.80 | 1.50 |
| 1606 | 1722 | 2613 | 6.57 | 0.03 | 0.00 | 0.67 | 1.09 |
| 1607 | 2613 | 1127 | 5.32 | 0.02 | 0.00 | 0.54 | 0.74 |
| | | | | | | | |
| 1608 | 1127 | 1430 | 4.07 | 0.07 | 0.00 | 0.42 | 0.45 |
| 1609 | 1430 | 1733 | 2.82 | 0.11 | 0.00 | 0.29 | 0.23 |
| 1610 | 1733 | 900 | 1.57 | 0.00 | 0.00 | 0.16 | 0.08 |
| 1611 | 900 | 2630 | 0.32 | 0.00 | 0.00 | 0.03 | 0.00 |
| | | | | | | | |
| 1612 | 2630 | 2707 | -0.93 | 0.00 | 0.00 | 0.10 | 0.03 |
| 1613 | 2707 | 5381 | -2.18 | 0.01 | 0.00 | 0.22 | 0.14 |
| 1614 | 5381 | 2618 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | 5381 | 5380 | -3.43 | 0.32 | 0.00 | 0.35 | 0.33 |
| 1615 | | | | | | | |
| 1616 | 5379 | 2104 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| 1617 | 2104 | 911 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1618 | 5342 | 47 | 70.00 | 1.08 | 0.00 | 0.79 | 0.41 |
| | 47 | 2538 | 68.75 | 0.33 | 0.00 | 1.76 | 2.88 |
| 1619 | | | | | | | |
| 1620 | 2538 | 5382 | 67.50 | 0.91 | 0.00 | 1.72 | 2.78 |
| 1621 | 5382 | 5383 | 43.22 | 0.48 | 0.00 | 1.10 | 1.22 |
| | | | | | | | |

| 1622 | 5383 | 2747 | 11.25 | 0.21 | 0.00 | 1.15 | 2.95 |
|------|------|------|---------|---------|---------|------|-------|
| | | | | | | | |
| 1623 | 2747 | 2742 | 10.00 | 0.03 | 0.00 | 1.02 | 2.37 |
| 1624 | 2742 | 2752 | 8.75 | 0.07 | 0.00 | 0.89 | 1.85 |
| 1625 | 2752 | 2771 | 7.50 | 0.08 | 0.00 | 0.77 | 1.39 |
| 1626 | 2771 | 2744 | 6.25 | 0.08 | 0.00 | 0.64 | 0.99 |
| 1627 | 2744 | 7057 | 5.00 | 0.06 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 1628 | 7057 | 2733 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 1629 | 2733 | 2746 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 1630 | 2746 | 2736 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1631 | 5383 | 5384 | 31.97 | 0.14 | 0.00 | 0.82 | 0.70 |
| 1632 | 5384 | 2766 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1633 | 5384 | 2770 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1634 | 2770 | 2760 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| | | | | | | | |
| 1635 | 5384 | 2741 | 28.22 | 0.01 | 0.00 | 0.72 | 0.55 |
| 1636 | 2741 | 2759 | 26.97 | 0.02 | 0.00 | 0.69 | 0.51 |
| 1637 | 2759 | 8071 | 25.72 | 0.02 | 0.00 | 0.66 | 0.47 |
| 1638 | 8071 | 2754 | 24.47 | 0.02 | 0.00 | 0.62 | 0.43 |
| | | | | | | | |
| 1639 | 2754 | 2729 | 23.22 | 0.02 | 0.00 | 0.59 | 0.39 |
| 1640 | 2729 | 2732 | 21.97 | 0.02 | 0.00 | 0.56 | 0.35 |
| 1641 | 2732 | 5385 | 20.72 | 0.02 | 0.00 | 0.53 | 0.31 |
| | | | | | | | |
| 1642 | 5385 | 2757 | 17.07 | 0.01 | 0.00 | 0.44 | 0.22 |
| 1643 | 2757 | 2737 | 15.82 | 0.01 | 0.00 | 0.40 | 0.19 |
| 1644 | 2737 | 2751 | 14.57 | 0.01 | 0.00 | 0.37 | 0.16 |
| 1645 | 2751 | 7058 | 13.32 | 0.00 | 0.00 | 0.34 | 0.14 |
| | | | | | | | |
| 1646 | 7058 | 2728 | 12.07 | 0.01 | 0.00 | 0.31 | 0.11 |
| 1647 | 2728 | 2731 | 10.82 | 0.05 | 0.00 | 0.28 | 0.09 |
| 1648 | 2731 | 2734 | 9.57 | 0.00 | 0.00 | 0.24 | 0.07 |
| 1649 | 2734 | 2735 | 8.32 | 0.01 | 0.00 | 0.21 | 0.06 |
| | | | | | | | |
| 1650 | 2735 | 2748 | 7.07 | 0.00 | 0.00 | 0.18 | 0.04 |
| 1651 | 2748 | 2769 | 5.82 | 0.00 | 0.00 | 0.15 | 0.03 |
| 1652 | 2769 | 2726 | 4.57 | 0.00 | 0.00 | 0.12 | 0.02 |
| 1653 | 5386 | 5387 | -11.68 | 0.10 | 0.00 | 0.53 | 0.44 |
| | | | | | | | |
| 1654 | 5387 | 2727 | 2.60 | 0.00 | 0.00 | 0.12 | 0.03 |
| 1655 | 2727 | 7059 | 1.35 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1656 | 7059 | 2764 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1657 | 2753 | 2764 | 1.15 | 0.00 | 0.00 | 0.05 | 0.01 |
| | | | | | | | |
| 1658 | 2753 | 43 | -2.40 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1659 | 43 | 5385 | -3.65 | 0.00 | 0.00 | 0.09 | 0.01 |
| 1660 | 5387 | 5388 | -14.28 | 0.03 | 0.00 | 0.65 | 0.64 |
| | 5388 | 5389 | -20.53 | 0.34 | 0.00 | 0.93 | 1.25 |
| 1661 | | | | | | | |
| 1662 | 5389 | 2761 | -23.03 | 0.08 | 0.00 | 1.05 | 1.54 |
| 1663 | 2761 | 5382 | -24.28 | 0.30 | 0.00 | 1.10 | 1.70 |
| 1664 | 5389 | 2758 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| | | 2762 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1665 | 2758 | | | | | | |
| 1666 | 5388 | 2739 | 6.25 | 0.01 | 0.00 | 0.28 | 0.14 |
| 1667 | 2739 | 2743 | 5.00 | 0.01 | 0.00 | 0.23 | 0.09 |
| 1668 | 2743 | 2730 | 3.75 | 0.00 | 0.00 | 0.17 | 0.05 |
| 1669 | 2730 | 2756 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| | | | | | | | |
| 1670 | 2756 | 2745 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1671 | 5386 | 2763 | 15.00 | 0.09 | 0.00 | 0.68 | 0.70 |
| 1672 | 2763 | 5390 | 13.75 | 0.04 | 0.00 | 0.62 | 0.59 |
| 1673 | 5390 | 2755 | 5.00 | 0.01 | 0.00 | 0.23 | 0.09 |
| | | | | | | | |
| 1674 | 2755 | 1347 | 3.75 | 0.01 | 0.00 | 0.17 | 0.05 |
| 1675 | 1347 | 2749 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| 1676 | 2749 | 2750 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| | | | | 0.26 | 0.00 | 0.89 | |
| 1677 | 5390 | 2767 | 8.75 | | | | 1.85 |
| 1678 | 2767 | 7060 | 7.50 | 0.11 | 0.00 | 0.77 | 1.39 |
| 1679 | 7060 | 2738 | 6.25 | 0.12 | 0.00 | 0.64 | 0.99 |
| 1680 | 2738 | 7061 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| | 7061 | 2765 | 3.75 | 0.06 | 0.00 | 0.38 | 0.39 |
| 1681 | | | | | | | |
| 1682 | 2765 | 7062 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1683 | 7062 | 2768 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1684 | 5386 | 2726 | -3.32 | 0.00 | 0.00 | 0.15 | 0.04 |
| | | | -776.22 | 10.88 | 0.00 | 4.95 | 8.77 |
| 1685 | 5274 | 1547 | | | | | |
| 1686 | 1547 | 2437 | -777.47 | 2.12 | 0.00 | 4.96 | 8.79 |
| 1687 | 2437 | 905 | -778.72 | 0.98 | 0.00 | 4.97 | 8.82 |
| 1688 | 905 | 5391 | -779.97 | 20.12 | 0.00 | 4.98 | 8.85 |
| | | | | | | | |
| 1689 | 5391 | 5392 | -779.97 | 14.84 | 0.00 | 4.98 | 8.85 |
| 1690 | 5392 | 902 | -781.22 | 0.71 | 0.00 | 4.99 | 8.87 |
| 1691 | 5392 | 2393 | 1.25 | 0.00 | 0.00 | 0.01 | 0.00 |
| 1692 | 902 | 5393 | -782.47 | 5.31 | 0.00 | 4.99 | 8.90 |
| | 202 | ~~~ | ,04.4, | J - J + | | | J. 20 |

| 1693 | 5393 | 904 | -782.47 | 3.06 | 0.00 | 4.99 | 8.90 |
|--------------|-----------|------|---------|-------|------|------|-------|
| 1694 | 904 | 5394 | -783.72 | 0.46 | 0.00 | 5.00 | 8.92 |
| 1696 | 5395JimNe | | | | | | |
| | | _ | 403.79 | 3.61 | 0.00 | 4.58 | 10.61 |
| 1697 | 5395 | 2250 | -403.79 | 7.96 | 0.00 | 4.58 | 10.61 |
| 1698 | 2250 | 5396 | -405.04 | 1.16 | 0.00 | 4.60 | 10.67 |
| 1699 | 5396 | 2120 | 8.75 | 0.41 | 0.00 | 0.89 | 1.85 |
| 1700 | 2120 | 2360 | 7.50 | 0.74 | 0.00 | 0.77 | 1.39 |
| 1701 | 2360 | 2499 | 6.25 | 0.29 | 0.00 | 0.64 | 0.99 |
| | | | | | | | |
| 1702 | 2499 | 2533 | 5.00 | 0.40 | 0.00 | 0.51 | 0.66 |
| 1703 | 2533 | 1349 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| 1704 | 1349 | 2598 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 1705 | 2598 | 2500 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 1706 | 5396 | 330 | -413.79 | 4.96 | 0.00 | 4.70 | 11.10 |
| | 1248 | 330 | 415.04 | | | | |
| 1707 | | | | 14.88 | 0.00 | 4.71 | 11.16 |
| 1708 | 5397 | 1248 | 416.29 | 56.67 | 0.00 | 4.72 | 11.22 |
| 1709 | 5398 | 1468 | 7.50 | 0.01 | 0.00 | 0.09 | 0.01 |
| 1710 | 1468 | 1995 | 6.25 | 0.00 | 0.00 | 0.07 | 0.00 |
| 1711 | 2405 | 2367 | 2.50 | 0.00 | 0.00 | 0.03 | 0.00 |
| 1712 | 2367 | 1824 | 1.25 | 0.00 | 0.00 | 0.01 | 0.00 |
| | 5398 | 5579 | 416.29 | 42.99 | | | |
| 1713 | | | | | 0.00 | 4.72 | 11.22 |
| 1714 | 5398 | 5399 | -423.79 | 9.24 | 0.00 | 4.81 | 11.60 |
| 1715 | 5399 | 5400 | 42.50 | 13.50 | 0.00 | 1.93 | 4.80 |
| 1716 | 5400 | 2077 | 42.50 | 23.90 | 0.00 | 1.93 | 4.80 |
| 1717 | 2077 | 5401 | 41.25 | 0.15 | 0.00 | 1.87 | 4.54 |
| 1718 | 5401 | 2442 | 41.25 | 1.68 | 0.00 | | 4.54 |
| | | | | | | 1.87 | |
| 1 719 | 2442 | 5402 | 40.00 | 1.22 | 0.00 | 1.82 | 4.29 |
| 1720 | 5402 | 2505 | 13.75 | 0.25 | 0.00 | 1.40 | 4.27 |
| 1721 | 2505 | 2296 | 12.50 | 1.31 | 0.00 | 1.28 | 3.58 |
| 1722 | 2296 | 2153 | 11.25 | 0.37 | 0.00 | 1.15 | 2.95 |
| 1723 | 2153 | 5403 | 10.00 | 0.45 | 0.00 | 1.02 | 2.37 |
| 1724 | 5403 | 2129 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1725 | 5403 | 5404 | 8.75 | 0.21 | 0.00 | 0.89 | 1.85 |
| 1726 | 5404 | 5405 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1727 | 5405 | 8016 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1728 | 5405 | 2189 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1729 | 5404 | 2501 | 6.25 | 0.04 | 0.00 | 0.64 | 0.99 |
| 1730 | 2501 | 736 | 5.00 | 0.01 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 1731 | 736 | 2683 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 1732 | 2683 | 1724 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 1733 | 1724 | 1773 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1734 | 5402 | 2565 | 26.25 | 0.17 | 0.00 | 1.19 | 1.96 |
| 1735 | 2565 | 2023 | 25.00 | 0.18 | 0.00 | 1.13 | 1.79 |
| 1736 | 2023 | 5406 | 23.75 | 0.16 | 0.00 | 1.08 | 1.63 |
| | | | | | | | |
| 1737 | 5406 | 368 | 23.75 | 0.09 | 0.00 | 1.08 | 1.63 |
| 1738 | 368 | 1433 | 22.50 | 0.06 | 0.00 | 1.02 | 1.48 |
| 1739 | 1433 | 5407 | 21.25 | 1.12 | 0.00 | 0.96 | 1.33 |
| 1740 | 5407 | 1043 | 18.75 | 0.38 | 0.00 | 1.91 | 7.59 |
| 1741 | 1043 | 2535 | 17.50 | 0.41 | 0.00 | 1.79 | 6.68 |
| 1742 | 2535 | 2071 | 16.25 | 0.48 | 0.00 | 1.66 | 5.82 |
| | 2071 | 2353 | 15.00 | 1.95 | 0.00 | 1.53 | 5.02 |
| 1743 | | | | | | | |
| 1744 | 2353 | 1876 | 13.75 | 1.00 | 0.00 | 1.40 | 4.27 |
| 1745 | 1876 | 5408 | 12.50 | 0.11 | 0.00 | 1.28 | 3.58 |
| 1746 | 5408 | 2082 | 11.25 | 0.17 | 0.00 | 1.15 | 2.95 |
| 1747 | 2082 | 8045 | 10.00 | 0.72 | 0.00 | 1.02 | 2.37 |
| 1748 | 8045 | 2073 | 8.75 | 0.37 | 0.00 | 0.89 | 1.85 |
| 1749 | 2073 | 1415 | 7.50 | 0.03 | 0.00 | 0.77 | 1.39 |
| | | | | | | | |
| 1750 | 1415 | 2700 | 6.25 | 0.12 | 0.00 | 0.64 | 0.99 |
| 1751 | 2700 | 2303 | 5.00 | 0.10 | 0.00 | 0.51 | 0.66 |
| 1752 | 2303 | 846 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 1753 | 846 | 1952 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 1754 | 1952 | 2241 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| | 5408 | | | | | | |
| 1755 | | 2342 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1756 | 5407 | 634 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 1757 | 634 | 2370 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1758 | 7063 | 2080 | 7.50 | 0.10 | 0.00 | 0.77 | 1.39 |
| 1759 | 2080 | 2059 | 6.25 | 0.17 | 0.00 | 0.64 | 0.99 |
| 1760 | 2059 | 8017 | 5.00 | 0.08 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 1761 | 8017 | 2221 | 3.75 | 0.06 | 0.00 | 0.38 | 0.39 |
| 1762 | 2221 | 2390 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1763 | 2390 | 2083 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 1764 | 5409 | 5399 | 466.29 | 8.78 | 0.00 | 2.98 | 3.41 |
| | | | | | | | |

| 1765 | 5409 | 585 | -466.29 | 0.49 | 0.00 | 2.98 | 3.41 |
|--------------|------|------|---------|------|------|------|------|
| | | | | | | | |
| 1766 | 585 | 5410 | -467.54 | 2.88 | 0.00 | 2.98 | 3.43 |
| 1767 | 5410 | 5411 | 12.50 | 0.12 | 0.00 | 0.32 | 0.12 |
| 1768 | 5411 | 5412 | 12.50 | 0.07 | 0.00 | 0.32 | 0.12 |
| | | | | | | | |
| 1769 | 5412 | 1482 | 6.65 | 0.05 | 0.00 | 0.30 | 0.15 |
| 1770 | 1482 | 627 | 5.40 | 0.07 | 0.00 | 0.25 | 0.11 |
| 1771 | 627 | 1569 | 4.15 | 0.03 | 0.00 | 0.19 | 0.06 |
| | | | | | | | |
| 1772 | 1569 | 20 | 2.90 | 0.00 | 0.00 | 0.13 | 0.03 |
| 1 773 | 20 | 489 | 1.65 | 0.00 | 0.00 | 0.07 | 0.01 |
| 1774 | 489 | 2610 | 0.40 | 0.00 | 0.00 | 0.02 | 0.00 |
| | | | | | | | |
| 1775 | 2610 | 2197 | -0.85 | 0.00 | 0.00 | 0.04 | 0.00 |
| 1776 | 5413 | 31 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 1777 | 31 | 1245 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1778 | 5413 | 262 | -4.60 | 0.01 | 0.00 | 0.21 | 0.08 |
| 1779 | 262 | 5412 | ~5.85 | 0.15 | 0.00 | 0.27 | 0.12 |
| 1780 | 2197 | 5413 | -2.10 | 0.00 | 0.00 | 0.10 | 0.02 |
| 1781 | 5410 | 5414 | -480.04 | 1.48 | 0.00 | 3.06 | 3.60 |
| | | | | | | | |
| 1782 | 5414 | 5416 | -480.04 | 0.93 | 0.00 | 3.06 | 3.60 |
| 1783 | 5416 | 5415 | -480.04 | 2.13 | 0.00 | 3.06 | 3.60 |
| 1785 | 5417 | 5418 | 75.21 | 1.33 | 0.00 | 1.92 | 3.40 |
| | | | | | | | |
| 1786 | 5418 | 2599 | 45.57 | 0.19 | 0.00 | 1.16 | 1.34 |
| 1787 | 2599 | 5419 | 44.32 | 0.18 | 0.00 | 1.13 | 1.28 |
| 1788 | 5419 | 5420 | 44.32 | 0.85 | 0.00 | 1.13 | 1.28 |
| 1789 | 5420 | 5421 | 44.32 | 0.83 | 0.00 | 1.13 | 1.28 |
| | | | | | | | |
| 1790 | 5421 | 5422 | 44.32 | 0.46 | 0.00 | 1.13 | 1.28 |
| 1791 | 5422 | 5424 | 16.88 | 0.97 | 0.00 | 0.77 | 0.87 |
| 1792 | 5424 | 5425 | 16.88 | 0.03 | 0.00 | 0.77 | 0.87 |
| | | | | | | | |
| 1793 | 5425 | 5426 | 16.88 | 0.07 | 0.00 | 1.72 | 6.25 |
| 1794 | 5426 | 8028 | 17.50 | 0.40 | 0.00 | 1.79 | 6.68 |
| 1795 | 8028 | 562 | 16.25 | 0.82 | 0.00 | 1.66 | 5.82 |
| | | | | | | | |
| 1796 | 562 | 1025 | 15.00 | 0.10 | 0.00 | 1.53 | 5.02 |
| 1797 | 1025 | 5427 | 13.75 | 0.29 | 0.00 | 1.40 | 4.27 |
| 1798 | 5427 | 947 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 1799 | 947 | 1167 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1800 | 5427 | 512 | 11.25 | 0.29 | 0.00 | 1.15 | 2.95 |
| 1801 | 512 | 1271 | 10.00 | 0.07 | 0.00 | 1.02 | 2.37 |
| 1802 | 1271 | 8040 | 8.75 | 0.10 | 0.00 | 0.89 | 1.85 |
| | | | | | | | |
| 1803 | 8040 | 8042 | 7.50 | 0.04 | 0.00 | 0.77 | 1.39 |
| 1804 | 8042 | 8041 | 6.25 | 0.02 | 0.00 | 0.64 | 0.99 |
| 1805 | 8041 | 993 | 5.00 | 0.11 | 0.00 | 0.51 | 0.66 |
| 1806 | 993 | 863 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| | | | 2.50 | | 0.00 | | |
| 1807 | 863 | 2161 | | 0.00 | | 0.26 | 0.18 |
| 1808 | 2161 | 1366 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1809 | 5428 | 1123 | 12.70 | 0.11 | 0.00 | 1.30 | 3.69 |
| 1810 | 1123 | 2640 | 11.45 | 0.92 | 0.00 | 1.17 | 3.04 |
| | | | | | | | |
| 1811 | 2640 | 1337 | 10.20 | 0.14 | 0.00 | 1.04 | 2.46 |
| 1812 | 1337 | 1042 | 8.95 | 0.24 | 0.00 | 0.91 | 1.93 |
| 1813 | 1042 | 49 | 7.70 | 0.11 | 0.00 | 0.79 | 1.46 |
| | 49 | 2401 | 6.45 | 0.08 | 0.00 | 0.66 | |
| 1814 | | | | | | | 1.05 |
| 1815 | 2401 | 1404 | 5.20 | 0.04 | 0.00 | 0.53 | 0.71 |
| 1816 | 1404 | 1211 | 3.95 | 0.05 | 0.00 | 0.40 | 0.42 |
| 1817 | 1211 | 5429 | 2.70 | 0.02 | 0.00 | 0.28 | 0.21 |
| | | | | | | | |
| 1818 | 5428 | 415 | 17.96 | 0.44 | 0.00 | 1.83 | 7.01 |
| 1819 | 5429 | 590 | 1.43 | 0.02 | 0.00 | 0.15 | 0.06 |
| 1820 | 590 | 1165 | 0.18 | 0.00 | 0.00 | 0.02 | 0.00 |
| | | | | | | | |
| 1821 | 1165 | 540 | -1.07 | 0.00 | 0.00 | 0.11 | 0.04 |
| 1822 | 540 | 91 | -2.32 | 0.03 | 0.00 | 0.24 | 0.16 |
| 1823 | 91 | 1918 | -3.57 | 0.02 | 0.00 | 0.36 | 0.35 |
| 1824 | 1918 | 1033 | -4.82 | 0.17 | 0.00 | 0.49 | 0.61 |
| | | | | | | | |
| 1825 | 1033 | 596 | -6.07 | 0.08 | 0.00 | 0.62 | 0.94 |
| 1826 | 596 | 5430 | -7.32 | 0.19 | 0.00 | 0.75 | 1.33 |
| 1827 | 5430 | 5431 | -3.46 | 0.01 | 0.00 | 0.35 | 0.33 |
| 1828 | 5431 | 5432 | -3.46 | 0.00 | 0.00 | 0.35 | 0.33 |
| | | | | | | | |
| 1829 | 5432 | 645 | 5.00 | 0.03 | 0.00 | 0.51 | 0.66 |
| 1830 | 645 | 2528 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 1831 | 2528 | 817 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| | | | | 0.00 | 0.00 | 0.13 | 0.05 |
| 1832 | 817 | 1357 | 1.25 | | | | |
| 1833 | 5432 | 5433 | 88.75 | 0.64 | 0.00 | 1.01 | 0.64 |
| 1834 | 5432 | 5434 | -97.21 | 0.13 | 0.00 | 1.10 | 0.76 |
| 1835 | 5430 | 5435 | -5.11 | 0.10 | 0.00 | 0.52 | 0.68 |
| | 5429 | 2388 | 1.27 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1836 | 3447 | 4300 | 1.4/ | 0.01 | 0.00 | v.13 | 0.05 |

| 1837 | 2388 | 1603 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
|------|------|------|---------|------|------|-------|-------|
| 1838 | 1603 | 8063 | -1.23 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1839 | 8063 | 168 | -2.48 | 0.01 | 0.00 | 0.25 | 0.18 |
| 1840 | 168 | 513 | -3.73 | 0.01 | 0.00 | 0.38 | 0.18 |
| | | | | | | | |
| 1841 | 513 | 2562 | -4.98 | 0.07 | 0.00 | 0.51 | 0.65 |
| 1842 | 2562 | 90 | -6.23 | 0.25 | 0.00 | 0.64 | 0.99 |
| 1843 | 90 | 5435 | -7.48 | 0.16 | 0.00 | 0.76 | 1.38 |
| 1844 | 5435 | 5434 | -12.59 | 0.04 | 0.00 | 1.29 | 3.63 |
| 1845 | 5434 | 1584 | 2.95 | 0.02 | 0.00 | 0.30 | 0.25 |
| 1846 | 1584 | 1958 | 1.70 | 0.02 | 0.00 | 0.17 | 0.09 |
| 1847 | 1958 | 163 | 0.45 | 0.00 | 0.00 | 0.05 | 0.01 |
| 1848 | 163 | 2064 | -0.80 | 0.01 | 0.00 | 0.08 | 0.02 |
| 1849 | 2064 | 1310 | -2.05 | 0.02 | 0.00 | 0.21 | 0.13 |
| 1850 | 1310 | 83 | -3.30 | 0.04 | 0.00 | 0.34 | 0.30 |
| 1851 | 83 | 560 | -4.55 | | | | 0.55 |
| | | | | 0.10 | 0.00 | 0.47 | |
| 1852 | 560 | 297 | -5.80 | 0.17 | 0.00 | 0.59 | 0.87 |
| 1853 | 5434 | 5436 | -112.75 | 0.32 | 0.00 | 1.28 | 1.00 |
| 1854 | 297 | 5437 | -7.05 | 0.02 | 0.00 | 0.72 | 1.24 |
| 1855 | 5437 | 5438 | -8.29 | 0.09 | 0.00 | 0.85 | 1.68 |
| 1856 | 5438 | 826 | 3.10 | 0.06 | 0.00 | 0.32 | 0.27 |
| 1857 | 826 | 86 | 1.85 | 0.01 | 0.00 | 0.19 | 0.10 |
| 1858 | 86 | 960 | 0.60 | 0.00 | 0.00 | 0.06 | 0.01 |
| 1859 | 960 | 2329 | -0.65 | 0.01 | 0.00 | 0.07 | 0.02 |
| 1860 | 5439 | 5440 | -6.19 | 0.13 | 0.00 | 0.63 | 0.97 |
| 1861 | 5439 | 1594 | 4.28 | 0.01 | 0.00 | 0.44 | 0.49 |
| 1862 | 1594 | 5436 | 3.03 | 0.01 | 0.00 | 0.31 | 0.26 |
| | | | | | | | |
| 1863 | 5436 | 1568 | 8.75 | 0.12 | 0.00 | 0.89 | 1.85 |
| 1864 | 1568 | 559 | 7.50 | 0.07 | 0.00 | 0.77 | 1.39 |
| 1865 | 559 | 2652 | 6.25 | 0.14 | 0.00 | 0.64 | 0.99 |
| 1866 | 2652 | 153 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| 1867 | 153 | 8044 | 3.75 | 0.05 | 0.00 | 0.38 | 0.39 |
| 1868 | 8044 | 1540 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 1869 | 1540 | 1441 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1870 | 2329 | 5439 | -1.90 | 0.01 | 0.00 | 0.19 | 0.11 |
| 1871 | 5436 | 5441 | -118.46 | 0.15 | 0.00 | 1.34 | 1.09 |
| 1872 | 5438 | 5442 | -20.14 | 0.16 | 0.00 | 0.91 | 1.20 |
| 1873 | 5442 | 5443 | -20.14 | 0.16 | 0.00 | 0.91 | 1.20 |
| 1874 | 5443 | 2086 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| 1875 | | 436 | 2.50 | | | | |
| | 2086 | | | 0.03 | 0.00 | 0.26 | 0.18 |
| 1876 | 436 | 8065 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 1877 | 5443 | 2299 | 2.28 | 0.01 | 0.00 | 0.23 | 0.15 |
| 1878 | 2299 | 5444 | 1.03 | 0.00 | 0.00 | 0.11 | 0.04 |
| 1879 | 5444 | 5445 | 7.51 | 0.17 | 0.00 | 0.77 | 1.39 |
| 1880 | 5445 | 300 | 7.51 | 0.13 | 0.00 | 0.77 | 1.39 |
| 1881 | 300 | 5446 | 6.26 | 0.14 | 0.00 | 0.64 | 1.00 |
| 1882 | 5437 | 5446 | 1.24 | 0.04 | 0.00 | 0.13 | 0.05 |
| 1883 | 5443 | 5447 | -26.17 | 0.23 | 0.00 | 1.19 | 1.95 |
| 1884 | 5440 | 1548 | 6.25 | 0.09 | 0.00 | 0.64 | 0.99 |
| 1885 | 1548 | 430 | 5.00 | 0.04 | 0.00 | 0.51 | 0.66 |
| 1886 | 430 | 148 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| | | | | | | | |
| 1887 | 148 | 887 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 1888 | 887 | 804 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1889 | 5447 | 5448 | -26.17 | 0.46 | 0.00 | 1.19 | 1.95 |
| 1890 | 5448 | 5449 | -157.07 | 0.28 | 0.00 | 1.78 | 1.85 |
| 1891 | 5440 | 5441 | -12.44 | 0.00 | 0.00 | 0.14 | 0.02 |
| 1892 | 5441 | 5450 | -130.90 | 0.13 | 0.00 | 1.49 | 1.32 |
| 1893 | 5448 | 5450 | 130.90 | 0.81 | 0.00 | 1.49 | 1.32 |
| 1894 | 5449 | 1008 | 11.25 | 0.25 | 0.00 | 1.15 | 2.95 |
| 1895 | 1008 | 2651 | 10.00 | 0.09 | 0.00 | 1.02 | 2.37 |
| 1896 | 2651 | 939 | 8.75 | 0.26 | 0.00 | 0.89 | 1.85 |
| | 939 | 7064 | 7.50 | 0.14 | 0.00 | 0.83 | 1.39 |
| 1897 | | | | | | | |
| 1898 | 7064 | 7065 | 6.25 | 0.01 | 0.00 | 0.64 | 0.99 |
| 1899 | 7065 | 946 | 5.00 | 0.11 | 0.00 | 0.51 | 0.66 |
| 1900 | 946 | 515 | 3.75 | 0.00 | 0.00 | 0.38 | 0.39 |
| 1901 | 515 | 1452 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 1902 | 1452 | 8019 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1903 | 5449 | 5451 | -174.68 | 0.28 | 0.00 | 1.98 | 2.25 |
| 1904 | 5451 | 5452 | -174.68 | 0.36 | 0.00 | 1.98 | 2.25 |
| 1905 | 5452 | 5454 | -174.68 | 0.04 | 0.00 | 1.98 | 2.25 |
| 1906 | 5454 | 5453 | -198.79 | 0.08 | 0.00 | 2.26 | 2.86 |
| 1907 | 5455 | 5456 | 25.30 | 0.13 | 0.00 | 2.58 | 13.21 |
| 100 | 2423 | 2420 | 23.30 | 0.13 | 0.00 | ٥٠. ء | 13.61 |

| 1908 | 5453 | 5455 | 22.12 | 0.21 | 0.00 | 2.26 | 10.31 |
|------|-------------|------|---------|-------|------|------|-------|
| | | 30 | 15.00 | | | | 5.02 |
| 1909 | 5456 | | | 1.50 | 0.00 | 1.53 | |
| 1910 | 30 | 8023 | 13.75 | 0.21 | 0.00 | 1.40 | 4.27 |
| 1911 | 8023 | 1014 | 12.50 | 0.13 | 0.00 | 1.28 | 3.58 |
| 1912 | 1014 | 897 | 11.25 | 0.16 | 0.00 | 1.15 | 2.95 |
| 1913 | 897 | 390 | 10.00 | 0.14 | 0.00 | | |
| | | | | | | 1.02 | 2.37 |
| 1914 | 390 | 8020 | 8.75 | 0.04 | 0.00 | 0.89 | 1.85 |
| 1915 | 8020 | 8021 | 7.50 | 0.05 | 0.00 | 0.77 | 1.39 |
| 1916 | 8021 | 8027 | 6.25 | 0.01 | 0.00 | 0.64 | 0.99 |
| | | | | | | | |
| 1917 | 8027 | 142 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| 1918 | 142 | 2002 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| 1919 | 2002 | 1083 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | 1.25 | | | | |
| 1920 | 2002 | 8049 | | 0.00 | 0.00 | 0.13 | 0.05 |
| 1921 | 5454 | 5457 | 24.12 | 0.60 | 0.00 | 1.09 | 1.68 |
| 1922 | 5457 | 5458 | 24.12 | 0.57 | 0.00 | 1.09 | 1.68 |
| 1923 | 5458 | 5428 | 24.12 | 0.09 | 0.00 | 1.09 | 1.68 |
| | | | | | | | |
| 1924 | 5456 | 41 | 10.30 | 0.10 | 0.00 | 1.05 | 2.50 |
| 1925 | 41 | 1399 | 9.05 | 0.17 | 0.00 | 0.92 | 1.97 |
| 1926 | 1399 | 1288 | 7.80 | 0.35 | 0.00 | 0.80 | 1.49 |
| 1927 | 1288 | 5428 | 6.55 | 0.40 | 0.00 | 0.67 | 1.08 |
| | | | | | | | |
| 1928 | 5453 | 5459 | 10.13 | 0.11 | 0.00 | 1.03 | 2.42 |
| 1929 | 5459 | 5460 | 10.13 | 0.18 | 0.00 | 1.03 | 2.42 |
| 1930 | 5460 | 969 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 1931 | 5460 | 2368 | 8.88 | 0.32 | 0.00 | 0.91 | 1.90 |
| 1932 | 2368 | 2588 | 7.63 | 0.16 | 0.00 | 0.78 | 1.43 |
| 1933 | 2588 | 8053 | 6.38 | 0.04 | 0.00 | 0.65 | 1.03 |
| 1934 | 8053 | 5461 | 5.13 | 0.08 | 0.00 | 0.52 | 0.69 |
| | | | | | | | |
| 1935 | 5449 | 5461 | 6.35 | 0.13 | 0.00 | 0.65 | 1.02 |
| 1936 | 5461 | 727 | 11.48 | 0.15 | 0.00 | 1.17 | 3.06 |
| 1937 | 72 7 | 139 | 10.23 | 0.06 | 0.00 | 1.04 | 2.47 |
| 1938 | 139 | 2233 | 8.98 | 0.02 | 0.00 | 0.92 | 1.94 |
| | | | | | | | |
| 1939 | 2233 | 814 | 7.73 | 0.44 | 0.00 | 0.79 | 1.47 |
| 1940 | 814 | 5444 | 6.48 | 0.18 | 0.00 | 0.66 | 1.06 |
| 1941 | 5446 | 720 | 7.50 | 0.19 | 0.00 | 0.77 | 1.39 |
| 1942 | 720 | 2260 | 6.25 | 0.42 | 0.00 | 0.64 | 0.99 |
| | | | | | | | |
| 1943 | 2260 | 2060 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| 1944 | 2060 | 5602 | 3.75 | 0.26 | 0.00 | 0.38 | 0.39 |
| 1945 | 5602 | 2518 | 3.75 | 0.16 | 0.00 | 0.38 | 0.39 |
| 1946 | 2518 | 2267 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 1947 | 2267 | 2466 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1948 | 5415 | 5417 | 306.25 | 0.35 | 0.00 | 3.47 | 6.36 |
| 1950 | 5463 | 5462 | 516.44 | 15.53 | 0.00 | 5.86 | 16.73 |
| 1951 | 5455 | 5464 | -3.17 | 0.24 | 0.00 | 0.32 | 0.28 |
| | | | | | | | |
| 1952 | 5453 | 5417 | -231.04 | 1.71 | 0.00 | 2.62 | 3.77 |
| 1953 | 5459 | 5465 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1954 | 5418 | 5464 | 29.64 | 0.35 | 0.00 | 3.03 | 17.72 |
| 1955 | 5464 | 292 | 13.84 | 0.52 | 0.00 | 1.41 | 4.32 |
| | | | | | | | |
| 1956 | 292 | 464 | 12.59 | 0.04 | 0.00 | 1.29 | 3.63 |
| 1957 | 464 | 418 | 11.34 | 0.96 | 0.00 | 1.16 | 2.99 |
| 1958 | 418 | 46 | 10.09 | 0.64 | 0.00 | 1.03 | 2.41 |
| 1959 | 46 | 1611 | 8.84 | 0.19 | 0.00 | 0.90 | 1.89 |
| | | | | | | | |
| 1960 | 1611 | 507 | 7.59 | 0.12 | 0.00 | 0.78 | 1.42 |
| 1961 | 507 | 5466 | 6.34 | 0.24 | 0.00 | 0.65 | 1.02 |
| 1962 | 5466 | 962 | 2.34 | 0.01 | 0.00 | 0.24 | 0.16 |
| 1963 | 962 | 8034 | 1.09 | 0.00 | 0.00 | 0.11 | 0.04 |
| | | | | | | | |
| 1964 | 8034 | 8029 | -0.16 | 0.00 | 0.00 | 0.02 | 0.00 |
| 1965 | 8029 | 8030 | -1.41 | 0.01 | 0.00 | 0.14 | 0.06 |
| 1966 | 8030 | 5467 | -2.66 | 0.02 | 0.00 | 0.27 | 0.20 |
| | 5467 | 1502 | -6.16 | 0.06 | 0.00 | 0.63 | 0.97 |
| 1967 | | | | | | | |
| 1968 | 5468 | 1637 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 1969 | 5422 | 5468 | 8.66 | 0.33 | 0.00 | 0.88 | 1.82 |
| 1970 | 1502 | 5468 | -7.41 | 0.12 | 0.00 | 0.76 | 1.36 |
| | | 8036 | | 0.09 | 0.00 | | |
| 1971 | 5467 | | 3.50 | | | 0.36 | 0.34 |
| 1972 | 8036 | 1486 | 2.25 | 0.01 | 0.00 | 0.23 | 0.15 |
| 1973 | 1486 | 534 | 1.00 | 0.00 | 0.00 | 0.10 | 0.03 |
| 1974 | 534 | 8031 | -0.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| | | | | | | | |
| 1975 | 8031 | 2035 | -1.50 | 0.00 | 0.00 | 0.15 | 0.07 |
| 1976 | 2035 | 994 | -2.75 | 0.03 | 0.00 | 0.28 | 0.22 |
| 1977 | 994 | 5466 | -4.00 | 0.05 | 0.00 | 0.41 | 0.43 |
| 1978 | 5422 | 5423 | 17.52 | 0.33 | 0.00 | 1.79 | 6.70 |
| 1979 | | | 11.40 | 0.23 | | | |
| 19/9 | 5423 | 607 | TT.40 | ∪.∠3 | 0.00 | 1.16 | 3.02 |

| 1980 | 607 | 2239 | 10.15 | 0.12 | 0.00 | 1.04 | 2.44 |
|------|------|------|--------|------|------|------|------|
| 1981 | 2239 | 12 | 8.90 | 0.14 | 0.00 | 0.91 | 1.91 |
| | 12 | 957 | 7.65 | 0.12 | | 0.78 | |
| 1982 | | | | | 0.00 | | 1.44 |
| 1983 | 957 | 117 | 6.40 | 0.07 | 0.00 | 0.65 | 1.04 |
| 1984 | 117 | 116 | 5.15 | 0.04 | 0.00 | 0.53 | 0.69 |
| 1985 | 116 | 391 | 3.90 | 0.02 | 0.00 | 0.40 | 0.42 |
| 1986 | 391 | 1417 | 2.65 | 0.01 | 0.00 | 0.27 | 0.20 |
| 1987 | 1417 | 936 | 1.40 | 0.00 | 0.00 | 0.14 | 0.06 |
| 1988 | 936 | 758 | 0.15 | 0.00 | 0.00 | 0.02 | 0.00 |
| 1989 | 758 | 5426 | -1.10 | 0.02 | 0.00 | 0.11 | 0.04 |
| | | | | | | | |
| 1990 | 5423 | 1311 | 6.12 | 0.01 | 0.00 | 0.62 | 0.95 |
| 1991 | 1311 | 457 | 4.87 | 0.04 | 0.00 | 0.50 | 0.62 |
| 1992 | 457 | 973 | 3.62 | 0.06 | 0.00 | 0.37 | 0.36 |
| 1993 | 973 | 38 | 2.37 | 0.03 | 0.00 | 0.24 | 0.16 |
| 1994 | 38 | 738 | 1.12 | 0.00 | 0.00 | 0.11 | 0.04 |
| 1995 | 738 | 934 | -0.13 | 0.00 | 0.00 | 0.01 | 0.00 |
| 1996 | 934 | 528 | -1.38 | 0.00 | 0.00 | 0.14 | 0.06 |
| | 528 | 93 | -2.63 | 0.01 | 0.00 | 0.27 | |
| 1997 | | | | | | | 0.20 |
| 1998 | 93 | 1394 | -3.88 | 0.16 | 0.00 | 0.40 | 0.41 |
| 1999 | 1394 | 806 | -5.13 | 0.10 | 0.00 | 0.52 | 0.69 |
| 2000 | 806 | 8035 | -6.38 | 0.15 | 0.00 | 0.65 | 1.03 |
| 2001 | 8035 | 5469 | -7.63 | 0.09 | 0.00 | 0.78 | 1.44 |
| 2002 | 5469 | 1554 | -7.63 | 0.11 | 0.00 | 0.78 | 1.44 |
| 2003 | 1554 | 269 | -8.88 | 0.87 | 0.00 | 0.91 | 1.90 |
| | 269 | 270 | -10.13 | 0.08 | | | |
| 2004 | | | | | 0.00 | 1.03 | 2.43 |
| 2005 | 5464 | 2608 | 12.63 | 0.47 | 0.00 | 1.29 | 3.65 |
| 2006 | 270 | 2608 | -11.38 | 0.58 | 0.00 | 1.16 | 3.01 |
| 2007 | 5433 | 1358 | 88.75 | 0.15 | 0.00 | 1.01 | 0.64 |
| 2008 | 1358 | 279 | 87.50 | 0.12 | 0.00 | 0.99 | 0.62 |
| 2009 | 279 | 5470 | 86.25 | 0.10 | 0.00 | 0.98 | 0.61 |
| 2010 | 5470 | 101 | 52.13 | 0.18 | 0.00 | 1.33 | 1.72 |
| 2011 | 5470 | 913 | 16.71 | 0.45 | 0.00 | 1.71 | 6.13 |
| | | | | | | | |
| 2012 | 913 | 67 | 15.46 | 0.23 | 0.00 | 1.58 | 5.31 |
| 2013 | 101 | 2347 | 50.88 | 0.24 | 0.00 | 1.30 | 1.65 |
| 2014 | 67 | 227 | 14.21 | 0.53 | 0.00 | 1.45 | 4.54 |
| 2015 | 227 | 100 | 12.96 | 0.47 | 0.00 | 1.32 | 3.83 |
| 2016 | 100 | 131 | 11.71 | 0.34 | 0.00 | 1.20 | 3.17 |
| 2017 | 131 | 141 | 10.46 | 0.45 | 0.00 | 1.07 | 2.58 |
| 2018 | 2347 | 600 | 49.63 | 0.79 | 0.00 | 1.27 | 1.57 |
| 2019 | 141 | 649 | 9.21 | 0.10 | 0.00 | 0.94 | 2.04 |
| | | | | | | | |
| 2020 | 649 | 551 | 7.96 | 0.24 | 0.00 | 0.81 | 1.55 |
| 2021 | 551 | 1197 | 6.71 | 0.14 | 0.00 | 0.69 | 1.13 |
| 2022 | 1197 | 484 | 5.46 | 0.04 | 0.00 | 0.56 | 0.77 |
| 2023 | 484 | 1570 | 4.21 | 0.02 | 0.00 | 0.43 | 0.48 |
| 2024 | 1570 | 1308 | 2.96 | 0.01 | 0.00 | 0.30 | 0.25 |
| 2025 | 1308 | 1432 | 1.71 | 0.02 | 0.00 | 0.17 | 0.09 |
| 2026 | 1432 | 671 | 0.46 | 0.00 | 0.00 | 0.05 | 0.01 |
| 2027 | 600 | 589 | 48.38 | 1.20 | 0.00 | 1.24 | 1.50 |
| | | | | | | | |
| 2028 | 671 | 1328 | -0.79 | 0.00 | 0.00 | 0.08 | 0.02 |
| 2029 | 1328 | 5471 | -2.04 | 0.03 | 0.00 | 0.21 | 0.12 |
| 2030 | 589 | 5472 | 47.13 | 0.44 | 0.00 | 1.20 | 1.43 |
| 2031 | 5471 | 5472 | -16.30 | 0.18 | 0.00 | 1.66 | 5.85 |
| 2032 | 5471 | 1102 | 14.26 | 0.06 | 0.00 | 1.46 | 4.57 |
| 2033 | 1102 | 1095 | 13.01 | 0.23 | 0.00 | 1.33 | 3.86 |
| 2034 | 1095 | 951 | 11.76 | 0.10 | 0.00 | 1.20 | 3.20 |
| | 951 | 1094 | 10.51 | 0.21 | 0.00 | 1.07 | 2.60 |
| 2035 | | | | | | | |
| 2036 | 1094 | 874 | 9.26 | 0.23 | 0.00 | 0.95 | 2.05 |
| 2037 | 874 | 624 | 8.01 | 0.11 | 0.00 | 0.82 | 1.57 |
| 2038 | 624 | 827 | 6.76 | 0.11 | 0.00 | 0.69 | 1.15 |
| 2039 | 827 | 705 | 5.51 | 0.01 | 0.00 | 0.56 | 0.79 |
| 2040 | 5472 | 2410 | 30.83 | 0.35 | 0.00 | 0.79 | 0.65 |
| 2041 | 2410 | 640 | 29.58 | 0.04 | 0.00 | 0.76 | 0.60 |
| 2041 | 640 | 5473 | 28.33 | 0.02 | 0.00 | 0.72 | 0.56 |
| | | | | | | | |
| 2043 | 705 | 5474 | 4.26 | 0.12 | 0.00 | 0.44 | 0.49 |
| 2044 | 5473 | 1991 | 1.58 | 0.00 | 0.00 | 0.07 | 0.01 |
| 2045 | 1991 | 2609 | 0.33 | 0.00 | 0.00 | 0.01 | 0.00 |
| 2046 | 5477 | 1305 | -3.99 | 0.05 | 0.00 | 0.41 | 0.43 |
| 2047 | 1305 | 251 | -5.24 | 0.04 | 0.00 | 0.53 | 0.72 |
| 2048 | 251 | 1497 | -6.49 | 0.05 | 0.00 | 0.66 | 1.06 |
| 2049 | 2609 | 1870 | -0.92 | 0.00 | 0.00 | 0.04 | 0.00 |
| | | 5475 | -2.17 | 0.00 | 0.00 | 0.10 | 0.02 |
| 2050 | 1870 | 34/3 | -2.1/ | 0.00 | 0.00 | 0.10 | 0.02 |

| 2051 | 5475 | 1668 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
|---------|---------|---------|---------|-------|------|------|-------|
| 2052 | 5475 | 5476 | -3.42 | 0.01 | 0.00 | 0.35 | 0.33 |
| | | | | | | | |
| 2053 | 1497 | 5476 | -7.74 | 0.81 | 0.00 | 0.79 | 1.47 |
| 2054 | 5476 | 2100 | -11.16 | 0.38 | 0.00 | 1.14 | 2.90 |
| 2055 | 2100 | 1424 | -12.41 | 0.11 | 0.00 | 1.27 | 3.54 |
| 2056 | 1424 | 1496 | -13.66 | 0.33 | 0.00 | 1.40 | 4.22 |
| 2057 | 1496 | 1822 | -14.91 | 1.17 | 0.00 | 1.52 | 4.97 |
| 2058 | 1822 | 291 | -16.16 | 0.36 | 0.00 | 1.65 | 5.76 |
| | | | | | 0.00 | | |
| 2059 | 291 | 5470 | -17.41 | 0.89 | | 1.78 | 6.62 |
| 2060 | 5474 | 5477 | -0.49 | 0.00 | 0.00 | 0.05 | 0.01 |
| 2061 | 5474 | 5478 | 4.75 | 0.09 | 0.00 | 0.48 | 0.60 |
| 2062 | 5478 | 1542 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2063 | 1542 | 2654 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2064 | 5478 | 5483 | 2.25 | 0.05 | 0.00 | 0.23 | 0.15 |
| 2065 | 5477 | 642 | 3.50 | 0.14 | 0.00 | 0.36 | 0.34 |
| 2066 | 642 | 370 | 2.25 | 0.01 | 0.00 | 0.23 | |
| | | | | | | | 0.15 |
| 2067 | 862 | 525 | 5.33 | 0.15 | 0.00 | 0.54 | 0.74 |
| 2068 | 525 | 92 | 4.08 | 0.25 | 0.00 | 0.42 | 0.45 |
| 2069 | 92 | 2510 | 2.83 | 0.06 | 0.00 | 0.29 | 0.23 |
| 2070 | 2510 | 1790 | 1.58 | 0.00 | 0.00 | 0.16 | 0.08 |
| 2071 | 1790 | 1341 | 0.33 | 0.00 | 0.00 | 0.03 | 0.00 |
| 2072 | 1341 | 5479 | -0.92 | 0.01 | 0.00 | 0.09 | 0.03 |
| | 5479 | 5480 | 3.75 | 0.12 | | | |
| 2073 | | | | | 0.00 | 0.38 | 0.39 |
| 2074 | 5480 | 1828 | 3.75 | 0.00 | 0.00 | 0.38 | 0.39 |
| 2075 | 1828 | 995 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2076 | 1898 | 1828 | -1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2077 | 5479 | 5485 | -4.67 | 0.10 | 0.00 | 0.48 | 0.58 |
| 2078 | 1736 | 209 | 8.78 | 0.10 | 0.00 | 0.90 | 1.86 |
| 2079 | 209 | 282 | 7.53 | 0.02 | 0.00 | 0.77 | 1.40 |
| 2080 | 282 | 354 | 6.28 | 0.03 | 0.00 | 0.64 | 1.00 |
| | | | | | | | |
| 2081 | 354 | 1078 | 5.03 | 0.05 | 0.00 | 0.51 | 0.66 |
| 2082 | 1078 | 1044 | 3.78 | 0.04 | 0.00 | 0.39 | 0.39 |
| 2083 | 1044 | 266 | 2.53 | 0.01 | 0.00 | 0.26 | 0.19 |
| 2084 | 266 | 1686 | 1.28 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2085 | 1686 | 729 | 0.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2086 | 729 | 813 | -1.22 | 0.01 | 0.00 | 0.12 | 0.05 |
| 2087 | 813 | 1437 | -2.47 | 0.02 | 0.00 | 0.25 | 0.18 |
| | | 2447 | | | | | |
| 2088 | 1437 | | -3.72 | 0.03 | 0.00 | 0.38 | 0.38 |
| 2089 | 2447 | 1168 | -4.97 | 0.06 | 0.00 | 0.51 | 0.65 |
| 2090 | 1168 | 605 | -6.22 | 0.02 | 0.00 | 0.64 | 0.98 |
| 2091 | 605 | 307 | -7.47 | 0.03 | 0.00 | 0.76 | 1.38 |
| 2092 | 307 | 5481 | -8.72 | 0.66 | 0.00 | 0.89 | 1.84 |
| 2093 | 370 | 5481 | 1.00 | 0.00 | 0.00 | 0.10 | 0.03 |
| 2094 | 5483 | 862 | 6.58 | 0.06 | 0.00 | 0.67 | 1.09 |
| | 5473 | 5482 | 26.75 | 1.08 | 0.00 | 1.21 | 2.03 |
| 2095 | | | | | | | |
| 2096 | 5482 | 5484 | 14.70 | 0.40 | 0.00 | 0.67 | 0.67 |
| 2097 | 5485 | 1736 | 10.03 | 0.17 | 0.00 | 1.02 | 2.38 |
| 2098 | 5481 | 5482 | -7.72 | 0.01 | 0.00 | 0.35 | 0.20 |
| 2099 | 5482 | 5483 | 4.33 | 0.00 | 0.00 | 0.20 | 0.07 |
| 2100 | 5484 | 5485 | 14.70 | 0.02 | 0.00 | 0.67 | 0.67 |
| 2101 | 5463 | 2534 | -516.44 | 4.12 | 0.00 | 5.86 | 16.73 |
| 2102 | 2534 | 999 | -517.69 | 19.40 | 0.00 | 5.87 | 16.81 |
| 2103 | 999 | 5486 | -518.94 | 3.51 | 0.00 | 5.89 | 16.88 |
| | | | | | | | |
| 2104 | 5486 | 5489 | -518.94 | 43.74 | 0.00 | 5.89 | 16.88 |
| 2105 | 5488 | 5490 | 5.47 | 0.00 | 0.00 | 0.14 | 0.03 |
| 2106 | 5490 | 5615 | -25.78 | 0.48 | 0.00 | 1.17 | 1.90 |
| 2107 | 5488 | 5616 | -27.97 | 0.24 | 0.00 | 1.27 | 2.21 |
| 2108 | 5489 | 5487 | -518.94 | 7.93 | 0.00 | 5.89 | 16.88 |
| 2109 | 5615 | 5491 | -25.78 | 0.09 | 0.00 | 1.17 | 1.90 |
| 2110 | 5616 | 5492 | -27.97 | 1.61 | 0.00 | 1.27 | 2.21 |
| | | | -25.78 | | | | |
| 2111 | 5491 | 5493 | | 1.05 | 0.00 | 1.17 | 1.90 |
| 2112 | 5487 | 5494 | -518.94 | 27.45 | 0.00 | 5.89 | 16.88 |
| 2113 | 5492 | 5495 | -72.50 | 16.12 | 0.00 | 3.29 | 12.89 |
| 2114 | 5494 | 5495 | 72.50 | 0.00 | 0.00 | 0.82 | 0.44 |
| 2115 | 5614WTM | idlake- | 295.67 | 0.11 | 0.00 | 3.35 | 5.96 |
| 2116 | FGN-AA | 5614 | 591.44 | 0.65 | 0.00 | 6.71 | 21.51 |
| 2117-CV | FGN-TT | 5496 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | | 0.00 | 0.00 | 5.00 | 0.00 | 0.00 |
| 2118-XX | 5494 | 5617 | 2 22 | 0.00 | 0 00 | 0.00 | 0.00 |
| 2119 | 5495 | 5498 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2120-XX | 5498 | 5497 | | | _ | | |
| 2121 | 5497 | 2126 | 102.16 | 3.80 | 0.00 | 1.16 | 0.83 |
| | | | | | | | |

| 2122 | 2126 | 2019 | 100.91 | 0.31 | 0.00 | 1.15 | 0.81 |
|------|------|------|--------|-------|------|------|-------|
| | | | | | | | |
| 2123 | 2019 | 5499 | 99.66 | 3.13 | 0.00 | 1.13 | 0.79 |
| 2124 | 5499 | 2084 | 2.50 | 0.17 | 0.00 | 0.26 | 0.18 |
| 2125 | 2084 | 1994 | 1.25 | 0.06 | 0.00 | 0.13 | 0.05 |
| 2126 | 5499 | 668 | 97.16 | 0.54 | 0.00 | 1.10 | 0.76 |
| | | | 95.91 | | | | |
| 2127 | 668 | 5500 | | 0.16 | 0.00 | 1.09 | 0.74 |
| 2128 | 5500 | 1916 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 2129 | 1916 | 2678 | 2.50 | 0.08 | 0,00 | 0.26 | 0.18 |
| 2130 | 2678 | 2196 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 2131 | 5500 | 5501 | 92.16 | 1.07 | 0.00 | 1.05 | 0.69 |
| 2132 | 5502 | 8022 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2133 | 2644 | 1719 | -26.25 | 0.85 | 0.00 | 1.19 | 1.96 |
| 2134 | 121 | 8022 | 89.66 | | 0.00 | | |
| | | | | 1.05 | | 1.02 | 0.65 |
| 2135 | 5503 | 2644 | -25.00 | 1.92 | 0.00 | 1.13 | 1.79 |
| 2136 | 1719 | 1911 | -27.50 | 1.61 | 0.00 | 1.25 | 2.14 |
| 2137 | 1911 | 5661 | -28.75 | 0.28 | 0.00 | 1.30 | 2.33 |
| 2139 | 8022 | J-34 | 88.41 | 5.55 | 0.00 | | |
| | | | | | | 2.26 | 4.59 |
| 2143 | 5506 | 2481 | 491.25 | 6.93 | 0.00 | 3.14 | 3.76 |
| 2144 | 2481 | 2300 | 490.00 | 5.10 | 0.00 | 3.13 | 3.74 |
| 2145 | 2300 | 1104 | 488.75 | 9.31 | 0.00 | 3.12 | 3.72 |
| | | | | | | | |
| 2146 | 1104 | 5507 | 487.50 | 6.32 | 0.00 | 3.11 | 3.70 |
| 2147 | 5507 | 2224 | 487.50 | 5.02 | 0.00 | 3.11 | 3.70 |
| 2148 | 2224 | 5508 | 486.25 | 4.43 | 0.00 | 3.10 | 3.69 |
| 2149 | 5508 | 2662 | 10.00 | 0.38 | 0.00 | 1.02 | 2.37 |
| | | | | | | | |
| 2150 | 2662 | 1816 | 8.75 | 0.38 | 0.00 | 0.89 | 1.85 |
| 2151 | 1816 | 2245 | 7.50 | 0.17 | 0.00 | 0.77 | 1.39 |
| 2152 | 2245 | 1052 | 6.25 | 0.81 | 0.00 | 0.64 | 0.99 |
| 2153 | 1052 | 1976 | 5.00 | 0.51 | 0.00 | 0.51 | 0.66 |
| | | | | | | | |
| 2154 | 1976 | 462 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 2155 | 462 | 1565 | 2.50 | 2.01 | 0.00 | 1.02 | 5.32 |
| 2156 | 1565 | 1519 | 1.25 | 0.37 | 0.00 | 0.51 | 1.47 |
| 2157 | 5508 | 755 | 476.25 | 19.55 | 0.00 | 3.04 | 3.55 |
| | | | | | | | |
| 2158 | 755 | 1541 | 475.00 | 1.17 | 0.00 | 3.03 | 3.53 |
| 2159 | 1541 | 2281 | 473.75 | 1.43 | 0.00 | 3.02 | 3.51 |
| 2160 | 2281 | 5509 | 472.50 | 7.32 | 0.00 | 3.02 | 3.50 |
| 2161 | 5509 | 1982 | 472.50 | 0.99 | 0.00 | 3.02 | 3.50 |
| | | | | | | | |
| 2162 | 1982 | 5510 | 471.25 | 1.90 | 0.00 | 3.01 | 3.48 |
| 2163 | 5510 | 5621 | 471.25 | 1.24 | 0.00 | 3.01 | 3.48 |
| 2164 | 5621 | 5514 | 471.25 | 1.50 | 0.00 | 3.01 | 3.48 |
| 2165 | 5514 | 5622 | 33.75 | 2.48 | 0.00 | 3.45 | 22.54 |
| | | | | | | | |
| 2166 | 5511 | 5623 | 437.50 | 0.54 | 0.00 | 2.79 | 3.03 |
| 2167 | 5623 | 5624 | 32.50 | 2.31 | 0.00 | 3.32 | 21.02 |
| 2168 | 5623 | 5515 | 405.00 | 1.36 | 0.00 | 2.58 | 2.63 |
| 2169 | 5514 | 5511 | 437.50 | 0.39 | 0.00 | 2.79 | 3.03 |
| 2170 | | | | | | | |
| | 5515 | 5516 | 322.50 | 60.97 | 0.00 | 3.66 | 7.00 |
| 2171 | 5516 | 5517 | 322.50 | 0.46 | 0.00 | 3.66 | 7.00 |
| 2172 | 5517 | 5518 | 56.25 | 13.24 | 0.00 | 2.55 | 8.06 |
| 2173 | 5518 | 5519 | 11.25 | 0.47 | 0.00 | 0.51 | 0.41 |
| 2174 | | 5520 | | | 0.00 | 0.28 | |
| | 5519 | | 6.25 | 0.11 | | | 0.14 |
| 2175 | 5520 | 5521 | 3.75 | 0.01 | 0.00 | 0.17 | 0.05 |
| 2176 | 5521 | 501 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2177 | 5521 | 84 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| 2178 | 84 | 2544 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| | | | | | | | |
| 2179 | 5520 | 5522 | 2.50 | 0.01 | 0.00 | 0.11 | 0.03 |
| 2180 | 5522 | 75 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2181 | 5522 | 61 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| | | 2685 | 5.00 | 0.07 | | | |
| 2182 | 5519 | | | | 0.00 | 0.23 | 0.09 |
| 2183 | 2685 | 2708 | 3.75 | 0.01 | 0.00 | 0.17 | 0.05 |
| 2184 | 2708 | 2663 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| 2185 | 2663 | 2240 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2186 | 5518 | 5523 | 45.00 | 7.63 | 0.00 | 2.04 | 5.33 |
| | | | | | | | |
| 2187 | 5523 | 843 | 45.00 | 16.31 | 0.00 | 2.04 | 5.33 |
| 2188 | 843 | 2045 | 43.75 | 0.21 | 0.00 | 1.99 | 5.06 |
| 2189 | 2045 | 1672 | 42.50 | 0.54 | 0.00 | 1.93 | 4.80 |
| | 1672 | 5524 | 41.25 | 0.46 | 0.00 | 1.87 | 4.54 |
| 2190 | | | | | | | |
| 2191 | 5524 | 178 | 6.25 | 0.06 | 0.00 | 0.64 | 0.99 |
| 2192 | 178 | 2709 | 5.00 | 0.03 | 0.00 | 0.51 | 0.66 |
| 2193 | 2709 | 1664 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 2194 | 1664 | 1977 | 2.50 | 0.00 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 2195 | 1977 | 110 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2196 | 5524 | 5525 | 35.00 | 2.05 | 0.00 | 1.59 | 3.35 |
| | | | | | | | |

| 12197 | | | | | | | | |
|--|------|------|------|--------|-------|------|------|-------|
| 1918 | 2197 | 5525 | 5526 | 7 50 | 0.02 | 0.00 | 0.34 | 0.19 |
| 2199 | | | | | | | | |
| 2200 | | | | | | | | |
| 2201 | | | | | | | | |
| 2202 | 2200 | 2482 | 1532 | 3.75 | 0.01 | 0.00 | 0.38 | 0.39 |
| 2203 5525 5527 27.50 0.04 0.00 1.25 2.14 | 2201 | 1532 | 2354 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 2203 5525 5527 27.50 0.04 0.00 1.25 2.14 | 2202 | 2354 | 198 | 1.25 | 0.01 | | | |
| 2204 | | | | | | | | |
| 2205 \$527 \$151 2.50 0.20 0.00 1.02 \$3.32 2207 \$528 \$529 25.00 0.138 0.00 1.13 1.79 2209 614 253 23.75 0.71 0.00 1.63 4.36 2209 614 253 23.75 0.71 0.00 1.55 3.97 2211 2484 2483 21.25 0.42 0.00 1.31 2.98 2211 1945 2483 -20.00 3.61 0.00 1.31 2.99 2213 1945 5530 18.75 0.53 0.00 1.23 2.26 2214 5530 2519 18.75 0.95 0.00 1.23 2.56 2215 2519 2327 17.50 0.55 0.00 1.65 6.82 2216 237 1333 179 15.00 0.25 0.00 1.65 5.82 2218 1779 2 | | | | | | | | |
| 2206 5527 5528 5529 25.00 0.35 0.00 1.13 1.79 | | | | | | | | |
| 2207 5528 5529 25.00 1.38 0.00 1.13 1.79 | 2205 | | | 2.50 | | 0.00 | 1.02 | 5.32 |
| 2208 5529 614 253 23.75 0.71 0.00 1.55 3.95 2210 253 2484 22.50 0.36 0.00 1.47 3.59 2211 2484 2483 21.25 0.42 0.00 1.31 2.89 2213 1945 2530 2519 18.75 0.53 0.00 1.23 2.56 2214 5530 2519 18.75 0.53 0.00 1.23 2.56 2215 2215 2519 2327 17.50 0.55 0.00 1.91 7.56 2215 2216 2327 1333 16.25 0.27 0.00 1.66 5.82 2217 1333 1779 15.00 0.32 0.00 1.53 3.59 2218 2779 2186 5531 2133 2.50 0.01 0.00 0.16 5.83 2219 2186 5531 2133 2.50 0.01 0.00 0.16 5.83 2221 2213 2133 1001 1.25 0.01 0.00 0.26 0.18 2222 2531 1655 20.00 1.25 0.01 0.00 0.26 0.18 2222 2223 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2212 22097 7.50 0.66 0.00 0.77 1.39 2226 2227 2226 233 265.50 0.09 0.00 0.77 1.39 2226 233 2533 263.75 0.12 0.00 0.00 0.77 1.39 2226 2227 2286 823 265.50 0.99 0.00 0.64 0.99 2226 2227 2286 823 265.50 0.99 0.00 3.01 0.00 0.28 0.39 2223 2233 2534 2553 255 | 2206 | 5527 | 5528 | 25.00 | | 0.00 | 1.13 | 1.79 |
| 2208 5529 614 253 23.75 0.71 0.00 1.55 3.95 2210 253 2484 22.50 0.36 0.00 1.47 3.59 2211 2484 2483 21.25 0.42 0.00 1.31 2.89 2213 1945 2530 2519 18.75 0.53 0.00 1.23 2.56 2214 5530 2519 18.75 0.53 0.00 1.23 2.56 2215 2215 2519 2327 17.50 0.55 0.00 1.91 7.56 2215 2216 2327 1333 16.25 0.27 0.00 1.66 5.82 2217 1333 1779 15.00 0.32 0.00 1.53 3.59 2218 2779 2186 5531 2133 2.50 0.01 0.00 0.16 5.83 2219 2186 5531 2133 2.50 0.01 0.00 0.16 5.83 2221 2213 2133 1001 1.25 0.01 0.00 0.26 0.18 2222 2531 1655 20.00 1.25 0.01 0.00 0.26 0.18 2222 2223 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2212 22097 7.50 0.66 0.00 0.77 1.39 2226 2227 2226 233 265.50 0.09 0.00 0.77 1.39 2226 233 2533 263.75 0.12 0.00 0.00 0.77 1.39 2226 2227 2286 823 265.50 0.99 0.00 0.64 0.99 2226 2227 2286 823 265.50 0.99 0.00 3.01 0.00 0.28 0.39 2223 2233 2534 2553 255 | 2207 | 5528 | 5529 | 25.00 | 1.38 | 0.00 | 1.13 | 1.79 |
| 2209 | | | | | | | | |
| 22110 253 2484 2483 21.25 0.42 0.00 1.47 3.59 22112 1945 2483 -20.00 3.81 0.00 1.31 2.89 2213 1945 5530 2519 18.75 0.94 0.00 1.91 7.59 2214 5530 2519 18.75 0.94 0.00 1.91 7.59 2215 2519 2327 1333 16.25 0.27 0.00 1.66 6.82 2216 1333 1779 15.00 0.32 0.00 1.53 5.02 2218 1779 2166 13.75 0.39 0.00 1.28 3.58 2221 2133 1001 1.25 0.01 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.24 0.00 1.28 2221 2133 1001 1.25 0.01 0.00 0.01 3.05 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2211 2484 2483 -20.00 3.81 0.00 1.39 3.23 2212 1945 2583 -20.00 3.81 0.00 1.23 2.56 2213 1945 5530 18.75 0.53 0.00 1.23 2.56 2216 52519 2327 17.50 0.55 0.00 1.61 7.59 2216 2327 1333 16.25 0.27 0.00 1.66 5.82 2217 1333 1779 15.00 0.32 0.00 1.66 5.82 2219 2186 5531 12.50 0.71 0.00 1.28 3.83 2220 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.12 2.37 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2224 2213 2097 < | | | | | | | | |
| 2212 1945 5530 18.75 0.53 0.00 1.31 2.86 2214 5530 2519 18.75 0.53 0.00 1.91 7.59 2215 2519 2327 17.50 0.55 0.00 1.79 6.68 2216 2527 1333 16.25 0.27 0.00 1.66 5.82 2217 1333 1779 15.00 0.32 0.00 1.40 4.27 2218 1779 2186 531 12.50 0.71 0.00 1.28 3.58 2220 5531 2133 1001 1.25 0.01 0.00 0.12 0.01 1.28 3.58 2221 2133 1655 10.00 0.24 0.00 0.12 2.37 2224 2233 1.655 10.00 0.24 0.00 0.77 1.39 2224 2233 1.655 12.03 0.05 0.00 0.18 1.85 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2213 1945 5530 18.75 0.53 0.00 1.23 2.56 2214 5530 2519 18.75 2.94 0.00 1.91 7.59 2215 2519 2327 17.50 0.55 0.00 1.79 6.68 2216 2327 1333 16.25 0.27 0.00 1.66 5.82 2218 1779 2186 5531 12.50 0.71 0.00 1.28 3.58 2220 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 5331 1655 10.00 0.24 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 0.77 1.39 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 | | | | | | 0.00 | 1.39 | 3.23 |
| 2214 5530 2519 18.75 2.94 0.00 1.79 6.68 2216 2327 1333 16.25 0.27 0.00 1.76 6.68 2217 1333 1779 15.00 0.32 0.00 1.53 5.02 2218 1779 2186 13.75 0.39 0.00 1.40 4.27 2219 2186 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2223 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2226 5517 2286 265 0.29 0.00 0.64 4.99 2226 5517 228 | 2212 | 1945 | 2483 | -20.00 | 3.81 | 0.00 | 1.31 | 2.89 |
| 2214 5530 2519 18.75 2.94 0.00 1.79 6.68 2216 2327 1333 16.25 0.27 0.00 1.76 6.68 2217 1333 1779 15.00 0.32 0.00 1.53 5.02 2218 1779 2186 13.75 0.39 0.00 1.40 4.27 2219 2186 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2223 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2226 5517 2286 265 0.29 0.00 0.64 4.99 2226 5517 228 | 2213 | 1945 | 5530 | 18.75 | 0.53 | 0.00 | 1.23 | 2.56 |
| 2215 2519 2327 17.50 0.55 0.00 1.79 6.68 2217 1333 16.25 0.27 0.00 1.63 5.82 2218 1779 2186 5531 12.50 0.71 0.00 1.40 4.27 2219 2186 5531 2133 2.50 0.02 0.00 0.26 0.18 2220 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 233 1001 1.25 0.01 0.00 0.26 0.18 2222 5531 1655 10.00 0.24 0.00 0.77 1.39 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 7552 6.25 0.29 0.00 0.64 0.99 2227 2286 863 265.00 0.99 0.00 3.01 4.82 2229 5533 553 | | 5530 | 2519 | | | | | |
| 2216 2227 1333 16.25 0.27 0.00 1.66 5.82 2218 1779 2186 13.75 0.39 0.00 1.53 5.02 2219 2186 5531 12.50 0.71 0.00 1.40 4.27 2210 5531 2133 12.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2223 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2226 5517 2286 265.25 0.29 0.00 3.02 4.91 2228 823 2553 265.00 0.99 0.00 3.01 4.86 2229 5533 5534 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | | |
| 2217 1333 1779 2186 13.75 0.39 0.00 1.53 5.02 2219 2186 5531 12.50 0.71 0.00 1.40 4.27 2220 5531 2133 2.50 0.02 0.00 0.26 0.05 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2223 1655 2213 8.75 1.17 0.00 0.99 1.85 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 2265 0.0 0.99 0.00 3.01 4.82 2227 2286 823 265 0.0 0.99 0.00 3.01 4.82 2229 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2218 1779 2186 5531 12.50 0.71 0.00 1.40 4.27 2219 2186 5531 12.33 2.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2223 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2213 2097 7.50 0.26 0.00 0.71 1.39 2226 5517 2286 266.25 0.29 0.00 0.64 0.99 2226 5517 2286 823 265.00 0.99 0.00 3.01 4.86 2228 823 2533 263.75 2.15 0.00 2.99 4.82 2229 5533 5534 257.50 0.01 0.00 2.99 4.82 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | |
| 2219 2186 5531 2133 2.50 0.71 0.00 1.28 3.58 2220 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 266.25 11.25 0.00 0.64 4.91 2227 2286 823 265.00 0.99 0.00 3.01 4.82 2229 5533 5534 257.50 0.01 0.00 0.38 0.00 2230 5534 1513 3.75 0.05 0.00 0.38 0.00 2231 513 5 | 2217 | 1333 | 1779 | 15.00 | 0.32 | 0.00 | 1.53 | 5.02 |
| 2219 2186 5531 2133 2.50 0.71 0.00 1.28 3.58 2220 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 266.25 11.25 0.00 0.64 0.99 2227 2286 823 265.00 0.99 0.00 3.01 4.82 2229 5533 5534 257.50 0.01 0.00 0.38 0.39 2230 5534 1513 3.75 0.05 0.00 0.38 0.39 2231 1513 | 2218 | 1779 | 2186 | 13.75 | 0.39 | 0.00 | 1.40 | 4.27 |
| 2220 5531 2133 2.50 0.02 0.00 0.26 0.18 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 266.25 11.25 0.00 3.01 4.86 2228 823 5533 263.75 2.15 0.00 3.01 4.86 2228 823 5533 263.75 0.01 0.00 2.99 4.86 2228 823 5533 263.75 0.01 0.00 2.99 4.82 2230 5534 1513 3.75 0.05 0.00 0.26 0.06 2231 153 3.55 2 | 2219 | 2186 | 5531 | 12.50 | 0.71 | 0.00 | | |
| 2221 2133 1001 1.25 0.01 0.00 0.13 0.05 2222 5531 1655 10.00 0.24 0.00 1.02 2.37 2223 1655 2213 8.75 1.17 0.00 0.99 1.85 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2226 5517 2286 266.25 11.25 0.00 3.02 4.91 2227 2286 823 265.00 0.99 0.00 3.01 4.86 2229 5533 5534 257.50 0.01 0.00 2.92 0.06 2230 5534 1513 3.00 2.50 0.05 0.00 0.26 0.18 2231 1513 320 2279 1.25 0.01 0.00 0.23 0.06 2231 1513 320 279 1.25 0.01 0.00 0.28 0.08 0.09 | | | | | | | | |
| 2222 5531 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 262.55 11.25 0.00 3.02 4.91 2227 2286 823 265.00 0.99 0.00 3.01 4.86 2228 823 5533 263.75 2.15 0.00 2.99 4.82 2230 5534 1513 3.75 0.05 0.00 0.38 0.39 2231 1513 320 2.50 0.05 0.00 0.38 0.39 2232 320 2279 1.25 0.01 0.00 0.13 0.05 2233 5534 5535 253.75 0.72 0.00 0.18 0.39 2234 5535 37 | | | | | | | | |
| 2223 1655 2213 8.75 1.17 0.00 0.89 1.85 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 266.05 11.25 0.00 3.02 4.91 2228 823 5533 263.75 2.15 0.00 2.99 4.82 2229 5533 5534 257.50 0.01 0.00 2.99 4.82 2230 5534 1513 320 2.50 0.05 0.00 0.26 0.18 2231 1513 320 2.50 0.05 0.00 0.26 0.18 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2234 5535 375 500 0.38 0.00 0.51 0.66 2234 5535 375 | | | | | | | | |
| 2224 2213 2097 7.50 0.26 0.00 0.77 1.39 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2227 2286 823 265.00 0.99 0.00 3.01 4.86 2228 823 5533 263.75 2.15 0.00 2.99 4.82 2229 5533 5534 257.50 0.01 0.00 2.92 0.06 2320 5534 1513 3.75 0.05 0.00 0.26 0.18 2231 1513 320 2.50 0.05 0.00 0.26 0.18 2232 320 2279 1.25 0.01 0.00 0.13 0.05 2233 5534 5535 253.75 0.72 0.00 0.28 4.49 2234 5535 375 5.00 0.38 0.00 0.51 0.66 2235 375 5.00 0.38< | | | | | | | | |
| 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 266.25 11.25 0.00 3.02 4.91 2227 2286 823 265.00 0.99 0.00 3.01 4.86 2228 823 5533 263.75 2.15 0.00 2.99 4.82 2229 5533 5534 257.50 0.01 0.00 2.92 0.06 2230 5534 1513 320 2.50 0.05 0.00 0.26 0.18 2231 1513 320 2.50 0.05 0.00 0.26 0.18 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2234 5535 375 5.00 0.38 0.00 0.51 0.66 2234 5535 375 5.00 0.30 0.00 0.26 0.18 2236 548 237 | 2223 | 1655 | 2213 | 8.75 | 1.17 | 0.00 | 0.89 | 1.85 |
| 2225 2097 5532 6.25 0.29 0.00 0.64 0.99 2226 5517 2286 266.25 11.25 0.00 3.02 4.91 2227 2286 823 5533 265.00 0.99 0.00 2.99 4.82 2229 5533 5534 257.50 0.01 0.00 2.92 0.06 2230 5534 1513 3.75 0.05 0.00 0.26 0.18 2231 1513 320 2.50 0.05 0.00 0.26 0.18 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2234 5535 375 5.00 0.38 0.00 0.51 0.05 2234 5535 375 5.00 0.38 0.00 0.51 0.06 2234 5535 375 5.00 0.38 0.09 2.29 2.66 0.18 3.75 0.00 | 2224 | 2213 | 2097 | 7.50 | 0.26 | 0.00 | 0.77 | 1.39 |
| 2226 5517 2286 265.00 0.99 0.00 3.01 4.86 2228 823 265.00 0.99 0.00 3.01 4.86 2228 823 5533 263.75 2.15 0.00 2.99 4.82 2229 5533 5534 257.50 0.01 0.00 2.92 0.06 2230 5534 1513 3.75 0.05 0.00 0.26 0.18 2231 1513 320 2279 1.25 0.01 0.00 0.13 0.05 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2234 5535 375 5.00 0.38 0.00 0.51 0.66 2235 375 548 3.75 0.02 0.00 0.38 0.39 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 1.25 | 2225 | 2097 | 5532 | 6.25 | 0.29 | | | 0.99 |
| 2227 2286 823 265.00 0.99 0.00 3.01 4.86 2228 823 5533 263.75 2.15 0.00 2.99 4.82 2229 5533 5534 257.50 0.01 0.00 2.92 0.06 2230 5534 1513 3.75 0.05 0.00 0.26 0.18 2231 1513 320 2.50 0.05 0.00 0.26 0.18 2232 320 2279 1.25 0.01 0.00 0.13 0.05 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2234 5535 375 548 3.75 0.02 0.00 0.51 0.66 2235 375 548 3.75 0.02 0.00 0.38 0.39 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
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| 2229 5533 5534 257.50 0.01 0.00 2.92 0.06 2230 5534 1513 3.75 0.05 0.00 0.38 0.39 2231 1513 320 2.50 0.05 0.00 0.26 0.18 2232 320 2279 1.25 0.01 0.00 0.13 0.05 2233 5534 5535 253.75 0.02 0.00 0.28 4.49 2234 5535 375 548 3.75 0.02 0.00 0.38 0.00 0.51 0.66 2235 375 548 2377 2.50 0.03 0.00 0.26 0.18 2236 548 2377 2495 1.25 0.02 0.00 0.13 0.05 2238 5533 2208 662 5.00 0.27 0.00 0.51 0.66 2249 2208 5666 1539 5.00 0.94 0.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
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| 2230 5534 1513 3.75 0.05 0.00 0.38 0.38 2231 1513 320 2.50 0.05 0.00 0.26 0.18 2232 320 2279 1.25 0.01 0.00 0.13 0.05 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2234 5535 375 548 3.75 0.02 0.00 0.38 0.39 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 1.25 0.02 0.00 0.13 0.05 2239 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 | 2229 | 5533 | 5534 | 257.50 | 0.01 | 0.00 | 2.92 | 0.06 |
| 2231 1513 320 2279 1.25 0.01 0.00 0.26 0.18 2232 320 2279 1.25 0.01 0.00 0.13 0.05 2234 5535 375 5.00 0.38 0.00 0.51 0.66 2235 375 548 3.75 0.02 0.00 0.38 0.39 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 1.25 0.02 0.00 0.13 0.05 2238 5533 2208 6.25 0.37 0.00 0.64 0.99 2240 5666 1539 5.00 0.27 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.28 0.18 2241 1539 584 | 2230 | 5534 | 1513 | 3.75 | 0.05 | 0.00 | | 0.39 |
| 2232 320 2279 1.25 0.01 0.00 0.13 0.05 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2235 375 548 3.75 0.02 0.00 0.38 0.39 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 1.25 0.02 0.00 0.64 0.99 2238 5533 2208 6.25 0.37 0.00 0.64 0.99 2239 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 3.75 0.01 0.00 0.51 0.66 2241 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.26 0.18 2243 284 2597 1.25 | | | | | | | | |
| 2233 5534 5535 253.75 0.72 0.00 2.88 4.49 2234 5535 375 5.00 0.38 0.00 0.51 0.66 2235 375 548 3.75 0.02 0.00 0.28 0.39 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 1.25 0.02 0.00 0.64 0.99 2239 2208 5666 5.00 0.27 0.00 0.61 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 662 | | | | | | | | |
| 2234 5535 375 548 3.75 0.00 0.38 0.00 0.51 0.66 2235 375 548 3.75 0.02 0.00 0.26 0.18 2236 548 2377 2495 1.25 0.02 0.00 0.13 0.05 2238 5533 2208 6.25 0.37 0.00 0.64 0.99 2239 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1589 284 2.50 0.08 0.00 0.26 0.18 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2244 5535 5536 248.75 2.03 0.00 0.26 0.18 2244 5535 5536 248.75 2.03 0.00 0.26 0.18 2245 5536 662 2621 3.75 0.05 0.00 0.38 0.39 | | | | | | | | |
| 2235 375 548 2377 2.50 0.02 0.00 0.26 0.18 2237 2377 2495 1.25 0.02 0.00 0.13 0.05 2238 5533 2208 6.25 0.37 0.00 0.64 0.99 2239 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.26 0.18 2244 5535 5536 662 5.00 0.28 0.00 0.51 0.66 2244 5535 5536 662 5.00 0.28 0.00 0.51 0.66 2244 5536 662 2621 3.75 0.05 0.00 0.38 0.39 | | | | | | | | |
| 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 1.25 0.02 0.00 0.13 0.05 2238 5533 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2244 5535 5536 248.75 0.03 0.00 0.51 0.66 2245 5536 5621 <td>2234</td> <td>5535</td> <td>375</td> <td>5.00</td> <td>0.38</td> <td>0.00</td> <td>0.51</td> <td></td> | 2234 | 5535 | 375 | 5.00 | 0.38 | 0.00 | 0.51 | |
| 2236 548 2377 2.50 0.03 0.00 0.26 0.18 2237 2377 2495 1.25 0.02 0.00 0.13 0.05 2238 5533 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2244 5535 5536 248.75 0.03 0.00 0.51 0.66 2245 5536 5621 <td>2235</td> <td>375</td> <td>548</td> <td>3.75</td> <td>0.02</td> <td>0.00</td> <td>0.38</td> <td>0.39</td> | 2235 | 375 | 548 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 2237 2377 2495 1.25 0.02 0.00 0.13 0.05 2238 5533 2208 666 5.00 0.27 0.00 0.64 0.99 2239 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.26 0.18 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.26 0.18 2247 2621 2096 | 2236 | 548 | 2377 | 2.50 | 0.03 | 0.00 | 0.26 | |
| 2238 5533 2208 6.25 0.37 0.00 0.64 0.99 2239 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.51 0.66 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2239 2208 5666 5.00 0.27 0.00 0.51 0.66 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2240 5666 1539 5.00 0.94 0.00 0.51 0.66 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 0.282 4.33 2245 5536 662 25.00 0.28 0.00 0.51 0.66 2246 662 2621 2096 2.50 0.05 0.00 0.38 0.39 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5536 5548 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2241 1539 1589 3.75 0.01 0.00 0.38 0.39 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.38 0.39 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 2.77 4.17 2252 5540 5541 140.0 | | | | | | | | |
| 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.38 0.39 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 < | 2240 | 5666 | 1539 | | 0.94 | 0.00 | 0.51 | 0.66 |
| 2242 1589 284 2.50 0.08 0.00 0.26 0.18 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.38 0.39 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 < | 2241 | 1539 | 1589 | 3.75 | 0.01 | 0.00 | 0.38 | 0.39 |
| 2243 284 2597 1.25 0.00 0.00 0.13 0.05 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.28 0.03 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 | 2242 | 1589 | 284 | 2.50 | 0.08 | 0.00 | | 0.18 |
| 2244 5535 5536 248.75 2.03 0.00 2.82 4.33 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.38 0.39 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 | | | | | | | | |
| 2245 5536 662 5.00 0.28 0.00 0.51 0.66 2246 662 2621 3.75 0.05 0.00 0.38 0.39 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2192 | | | | | | | | |
| 2246 662 2621 3.75 0.05 0.00 0.38 0.39 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 25.08 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2247 2621 2096 2.50 0.05 0.00 0.26 0.18 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 | 2245 | | | 5.00 | | | | |
| 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 176 | 2246 | 662 | 2621 | 3.75 | 0.05 | 0.00 | 0.38 | 0.39 |
| 2248 2096 663 1.25 0.03 0.00 0.13 0.05 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 176 | 2247 | 2621 | 2096 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 2249 5536 5538 243.75 1.39 0.00 2.77 4.17 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.17 4.26 2269 1764 5543< | 2248 | | | | | | | |
| 2250 5538 5537 243.75 0.82 0.00 2.77 4.17 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| 2251 5539 5540 140.00 19.43 0.00 3.57 10.75 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 | | | | | | | | |
| 2252 5540 5541 140.00 25.08 0.00 6.35 43.62 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 | | | | | | | | |
| 2253 5541 5542 140.00 34.24 0.00 6.35 43.62 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.01 4.04 2263 1935 2357 | 2251 | 5539 | 5540 | 140.00 | 19.43 | 0.00 | 3.57 | 10.75 |
| 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 | 2252 | 5540 | 5541 | 140.00 | 25.08 | 0.00 | 6.35 | 43.62 |
| 2254 5505 1934 91.25 19.89 0.00 2.33 4.86 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 | 2253 | 5541 | 5542 | 140.00 | 34.24 | 0.00 | 6.35 | 43.62 |
| 2255 1934 2154 90.00 12.34 0.00 2.30 4.74 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 | | | | | | | | |
| 2256 2154 2192 88.75 15.58 0.00 2.27 4.62 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 < | | | | | | | | |
| 2257 2192 8066 87.50 0.26 0.00 2.23 4.50 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | | | | | | | |
| 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | | | | | | | |
| 2258 8066 1764 86.25 0.71 0.00 2.20 4.38 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | 2257 | 2192 | 8066 | 87.50 | 0.26 | 0.00 | 2.23 | 4.50 |
| 2259 1764 5543 85.00 0.18 0.00 2.17 4.26 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | 8066 | 1764 | 86.25 | 0.71 | 0.00 | | |
| 2260 5543 2336 1.25 0.04 0.00 0.13 0.05 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | | | | | | | |
| 2261 5543 1650 83.75 1.05 0.00 2.14 4.15 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | | | | | | | |
| 2262 1650 1935 82.50 1.84 0.00 2.11 4.04 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | | | | | | | |
| 2263 1935 2357 81.25 2.33 0.00 2.07 3.92 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | | | | | | | |
| 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | 2262 | 1650 | 1935 | | | | | |
| 2264 2357 2705 80.00 0.20 0.00 2.04 3.81 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | 2263 | 1935 | 2357 | 81.25 | 2.33 | 0.00 | 2.07 | 3.92 |
| 2265 2705 5544 78.75 6.75 0.00 2.01 3.70 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | 2357 | 2705 | 80.00 | 0.20 | | | |
| 2266 5544 1768 8.75 0.20 0.00 0.89 1.85 | | | | | | | | |
| | | | | | | | | |
| 2267 1768 2553 7.50 0.24 0.00 0.77 1.39 | | | | | | | | |
| | 2267 | 1768 | 2553 | 7.50 | 0.24 | U.00 | 0.77 | 1.39 |

| 2268 | 2553 | 1796 | 6.25 | 0.15 | 0.00 | 0.64 | 0.99 |
|---------|--------------|------|-------|------|------|------|------|
| 2269 | 1796 | 1793 | 5.00 | 0.47 | 0.00 | 0.51 | 0.66 |
| 2270 | 1793 | 1797 | 3.75 | 0.05 | 0.00 | 0.38 | 0.39 |
| | 1797 | 5545 | 2.50 | 0.06 | | | |
| 2271 | | | | | 0.00 | 0.26 | 0.18 |
| 2272 | 5545 | 1783 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2273 | 1783 | 2363 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2274-XX | 5502 | 5545 | | | | | |
| 2275 | 5544 | 2561 | 70.00 | 0.32 | 0.00 | 1.79 | 2.98 |
| 2276 | 2561 | 2502 | 68.75 | 3.60 | 0.00 | 1.76 | 2.88 |
| 2277 | 2502 | 1734 | 67.50 | 0.14 | 0.00 | 1.72 | 2.78 |
| 2278 | 1734 | 1785 | 66.25 | 1.53 | 0.00 | 1.69 | 2.69 |
| 2279 | 1785 | 2661 | 65.00 | 0.07 | 0.00 | 1.66 | 2.59 |
| 2280 | 2661 | 1444 | 63.75 | 1.07 | 0.00 | 1.63 | 2.50 |
| 2281 | 1444 | 54 | 62.50 | 0.42 | 0.00 | 1.60 | 2.41 |
| 2282 | 54 | 1787 | 61.25 | 0.65 | 0.00 | 1.56 | 2.32 |
| | 1787 | 5546 | 60.00 | 0.18 | | | |
| 2283 | | | | | 0.00 | 1.53 | 2.24 |
| 2284 | 5546 | 1810 | 5.00 | 0.08 | 0.00 | 0.51 | 0.66 |
| 2285 | 1810 | 2636 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 2286 | 2636 | 2366 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2287 | 2366 | 8046 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2288 | 5546 | 1782 | 55.00 | 0.78 | 0.00 | 1.40 | 1.90 |
| 2289 | 1782 | 1636 | 53.75 | 0.10 | 0.00 | 1.37 | 1.83 |
| 2290 | 1636 | 1795 | 52.50 | 0.56 | 0.00 | 1.34 | 1.75 |
| 2291 | 1795 | 1770 | 51.25 | 0.48 | 0.00 | 1.31 | 1.67 |
| 2292 | 1786 | 5548 | -2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 2293 | | | 1.25 | 0.02 | | 0.13 | |
| | 1786 | 1807 | | | 0.00 | | 0.05 |
| 2294 | 5547 | 2375 | 1.25 | 0.31 | 0.00 | 0.51 | 1.47 |
| 2295 | 1770 | 5547 | 50.00 | 0.31 | 0.00 | 1.28 | 1.60 |
| 2296 | 5548 | 1808 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2297 | 5547 | 5548 | 48.75 | 0.08 | 0.00 | 1.24 | 1.52 |
| 2298 | 5548 | 2581 | 45.00 | 0.25 | 0.00 | 1.15 | 1.31 |
| 2299 | 2581 | 487 | 43.75 | 0.19 | 0.00 | 1.12 | 1.25 |
| 2300 | 5549 | 1801 | 5.00 | 0.42 | 0.00 | 0.51 | 0.66 |
| 2301 | 1801 | 2386 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 2302 | 2386 | 1806 | 2.50 | 0.28 | 0.00 | 0.26 | 0.18 |
| | | | 1.25 | | | | |
| 2303 | 1806 | 1766 | | 0.01 | 0.00 | 0.13 | 0.05 |
| 2304 | 5549 | 5550 | 36.25 | 2.46 | 0.00 | 1.65 | 3.57 |
| 2305 | 5550 | 1791 | 36.25 | 0.41 | 0.00 | 1.65 | 3.57 |
| 2306 | 1791 | 1767 | 35.00 | 1.78 | 0.00 | 1.59 | 3.35 |
| 2307 | 1767 | 1769 | 33.75 | 6.31 | 0.00 | 1.53 | 3.13 |
| 2308 | 1769 | 5551 | 32.50 | 0.12 | 0.00 | 1.48 | 2.92 |
| 2309 | 5551 | 5552 | 5.00 | 0.00 | 0.00 | 0.23 | 0.09 |
| 2310 | 5552 | 1802 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2311 | 5552 | 2157 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 2312 | 2157 | 2671 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 2313 | 2671 | 1772 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2314 | 5551 | 5553 | 27.50 | 1.36 | 0.00 | 1.25 | |
| | | 1799 | | | | | 2.14 |
| 2315 | 5553 | | 18.75 | 0.63 | 0.00 | 1.23 | 2.56 |
| 2316 | 1799 | 315 | 17.50 | 1.73 | 0.00 | 1.14 | 2.25 |
| 2317 | 315 | 1765 | 16.25 | 0.47 | 0.00 | 1.06 | 1.96 |
| 2318 | 1765 | 2138 | 15.00 | 0.97 | 0.00 | 0.98 | 1.69 |
| 2319 | 2138 | 1792 | 13.75 | 0.48 | 0.00 | 0.90 | 1.44 |
| 2320 | 1792 | 1692 | 12.50 | 0.55 | 0.00 | 1.28 | 3.58 |
| 2321 | 1692 | 5554 | 11.25 | 0.50 | 0.00 | 1.15 | 2.95 |
| 2322 | 5554 | 1560 | 11.25 | 0.09 | 0.00 | 1.15 | 2.95 |
| 2323 | 1560 | 1096 | 10.00 | 2.55 | 0.00 | 1.02 | 2.37 |
| 2324 | 1096 | 1135 | 8.75 | 0.14 | 0.00 | 0.89 | 1.85 |
| | | | | 0.71 | | | |
| 2325 | 1135 | 2540 | 7.50 | | 0.00 | 0.77 | 1.39 |
| 2326 | 2540 | 1804 | 6.25 | 0.31 | 0.00 | 0.64 | 0.99 |
| 2327 | 1804 | 2287 | 5.00 | 0.14 | 0.00 | 0.51 | 0.66 |
| 2328 | 2287 | 1803 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 2329 | 1803 | 1047 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2330 | 1047 | 1789 | 1.25 | 0.08 | 0.00 | 0.13 | 0.05 |
| 2331 | 5553 | 2582 | 8.75 | 0.06 | 0.00 | 0.40 | 0.26 |
| 2332 | 2582 | 5555 | 7.50 | 0.02 | 0.00 | 0.34 | 0.19 |
| | 555 5 | 428 | 1.25 | 0.26 | 0.00 | 0.51 | 1.47 |
| 2333 | | | | | | | |
| 2334 | 5555 | 2212 | 6.25 | 0.24 | 0.00 | 0.41 | 0.33 |
| 2335 | 2212 | 2601 | 5.00 | 0.05 | 0.00 | 0.33 | 0.22 |
| 2336 | 2601 | 1798 | 3.75 | 0.02 | 0.00 | 0.25 | 0.13 |
| 2337 | 1798 | 5556 | 2.50 | 0.03 | 0.00 | 0.16 | 0.06 |
| 2338 | 5556 | 1778 | 1.25 | 0.07 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |

| 2339 | 5556 | 7074 | 1.25 | 0.06 | 0.00 | 0.13 | 0.05 |
|------|------|------|---------|------|------|------|-------|
| 2340 | 487 | 2635 | 42.50 | 0.19 | 0.00 | 1.09 | 1.18 |
| | | | | | | | |
| 2341 | 5609 | 505 | 52.50 | 0.43 | 0.00 | 0.60 | 0.24 |
| 2342 | 505 | 485 | 51.25 | 0.01 | 0.00 | 0.58 | 0.23 |
| 2343 | 485 | 461 | 50.00 | 0.02 | 0.00 | 0.57 | 0.22 |
| 2344 | 461 | 460 | 48.75 | 0.02 | 0.00 | 0.55 | 0.21 |
| 2345 | 460 | 5557 | 47.50 | 0.17 | 0.00 | 0.54 | 0.20 |
| 2346 | 5557 | 1465 | 47.50 | 0.02 | 0.00 | 0.54 | 0.20 |
| | | | | | | | |
| 2347 | 1465 | 503 | 46.25 | 0.02 | 0.00 | 0.52 | 0.19 |
| 2348 | 503 | 1061 | 45.00 | 0.02 | 0.00 | 0.51 | 0.18 |
| 2349 | 1061 | 5558 | 43.75 | 0.00 | 0.00 | 0.50 | 0.17 |
| 2350 | 5558 | 5559 | 40.00 | 0.12 | 0.00 | 1.82 | 4.29 |
| 2351 | 5558 | 532 | 3.75 | 0.22 | 0.00 | 0.38 | 0.39 |
| 2352 | 532 | 2068 | 2.50 | 0.07 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 2353 | 5559 | 5561 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2354 | 5561 | 5560 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2355 | 2068 | 2491 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 2356 | 2491 | 5562 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2357 | 5559 | 1732 | 40.00 | 0.84 | 0.00 | 1.82 | 4.29 |
| 2358 | 1732 | 1895 | 38.75 | 3.07 | 0.00 | 1.76 | 4.04 |
| | | | | | | | |
| 2359 | 1895 | 335 | 37.50 | 0.19 | 0.00 | 1.70 | 3.80 |
| 2360 | 335 | 5563 | 36.25 | 0.53 | 0.00 | 1.65 | 3.57 |
| 2361 | 161 | 286 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2362 | 5563 | 5564 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 2363 | 5564 | 598 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2364 | 5564 | 304 | 2.50 | 0.11 | 0.00 | 0.26 | 0.18 |
| 2365 | 304 | 25 | 1.25 | 0.01 | 0.00 | 0.13 | |
| | | | | | | | 0.05 |
| 2366 | 5563 | 1119 | 32.50 | 2.39 | 0.00 | 1.48 | 2.92 |
| 2367 | 1119 | 1478 | 31.25 | 0.40 | 0.00 | 1.42 | 2.71 |
| 2368 | 1478 | 9 | 30.00 | 2.68 | 0.00 | 1.36 | 2.52 |
| 2369 | 9 | 912 | 28.75 | 1.35 | 0.00 | 1.30 | 2.33 |
| 2370 | 912 | 321 | 27.50 | 0.33 | 0.00 | 1.25 | 2.14 |
| 2371 | 321 | 5565 | 26.25 | 0.99 | 0.00 | 1.19 | 1.96 |
| 2372 | 5565 | 5566 | 17.50 | 0.01 | 0.00 | | |
| | | | | | | 0.45 | 0.23 |
| 2373 | 5566 | 833 | 2.50 | 0.00 | 0.00 | 0.16 | 0.06 |
| 2374 | 833 | 1118 | 1.25 | 0.00 | 0.00 | 0.08 | 0.02 |
| 2375 | 1118 | 5567 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2376 | 5565 | 1683 | 8.75 | 0.20 | 0.00 | 0.89 | 1.85 |
| 2377 | 1683 | 1585 | 7.50 | 0.48 | 0.00 | 0.77 | 1.39 |
| 2378 | 216 | 1517 | 5.00 | 0.16 | 0.00 | 0.51 | 0.66 |
| 2379 | 1517 | 2560 | 3.75 | 0.12 | 0.00 | 0.38 | 0.39 |
| | | | | | | | |
| 2380 | 2560 | 824 | 2.50 | 0.09 | 0.00 | 0.26 | 0.18 |
| 2381 | 824 | 898 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 2382 | 1585 | 216 | 6.25 | 0.25 | 0.00 | 0.64 | 0.99 |
| 2383 | 5566 | 5568 | 15.00 | 0.01 | 0.00 | 0.38 | 0.17 |
| 2384 | 5568 | 5569 | 15.00 | 0.63 | 0.00 | 0.38 | 0.17 |
| 2385 | 5569 | 2568 | 2.50 | 0.33 | 0.00 | 0.26 | 0.18 |
| 2386 | 2568 | 2569 | 1.25 | 0.01 | 0.00 | 0.13 | |
| | | | | | | | 0.05 |
| 2387 | 5040 | 1909 | 13.75 | 2.83 | 0.00 | 0.90 | 1.44 |
| 2388 | 1909 | 1112 | 12.50 | 0.12 | 0.00 | 0.82 | 1.21 |
| 2389 | 1112 | 2477 | 11.25 | 0.49 | 0.00 | 0.74 | 0.99 |
| 2390 | 2477 | 1344 | 10.00 | 0.48 | 0.00 | 0.65 | 0.80 |
| 2391 | 1344 | 546 | 8.75 | 0.24 | 0.00 | 0.57 | 0.62 |
| 2392 | 546 | 1836 | 7.50 | 0.03 | 0.00 | 0.49 | 0.47 |
| | | | 6.25 | 0.04 | | | |
| 2393 | 1836 | 1113 | | | 0.00 | 0.41 | 0.33 |
| 2394 | 1113 | 1390 | 5.00 | 0.02 | 0.00 | 0.33 | 0.22 |
| 2395 | 1390 | 2626 | 3.75 | 0.02 | 0.00 | 0.25 | 0.13 |
| 2396 | 2626 | 1339 | 2.50 | 0.00 | 0.00 | 0.16 | 0.06 |
| 2397 | 1339 | 2209 | 1.25 | 0.00 | 0.00 | 0.08 | 0.02 |
| 2398 | 5570 | 1156 | -134.54 | 3.48 | 0.00 | 3.43 | 9.98 |
| | 1156 | 5040 | -135.79 | 5.39 | 0.00 | 3.47 | |
| 2399 | | | | | | | 10.16 |
| 2400 | 5040 | 1467 | -149.54 | 8.63 | 0.00 | 3.82 | 12.14 |
| 2401 | 5375 | 126 | -65.19 | 1.16 | 0.00 | 2.96 | 10.59 |
| 2402 | 126 | 1690 | -66.44 | 2.03 | 0.00 | 3.02 | 10.97 |
| 2403 | 1690 | 2207 | -67.69 | 3.16 | 0.00 | 3.07 | 11.35 |
| 2404 | 2207 | 2088 | -68.94 | 2.62 | 0.00 | 3.13 | 11.75 |
| | | 1617 | -70.19 | 3.53 | 0.00 | 3.19 | |
| 2405 | 2088 | | | | | | 12.14 |
| 2406 | 1617 | 1610 | -71.44 | 5.95 | 0.00 | 3.24 | 12.55 |
| 2407 | 1610 | 5356 | -72.69 | 4.26 | 0.00 | 3.30 | 12.96 |
| 2408 | 5374 | 481 | 11.88 | 0.26 | 0.00 | 1.21 | 3.26 |
| 2409 | 779 | 547 | 9.38 | 0.12 | 0.00 | 0.96 | 2.11 |
| | - | | | | - | - | |

| 2410 | 547 | 7 7 | 8.13 | 0.01 | 0.00 | 0.21 | 0.06 |
|--------------|--------------|-------------|--------------|-------|------|--------------|--------------|
| | | | | | | | |
| 2411 | 1616 | 5364 | 27.50 | 0.24 | 0.00 | 1.25 | 2.14 |
| 2412 | 5569 | 195 | 12.50 | 0.12 | 0.00 | 0.32 | 0.12 |
| 2413 | 195 | 2570 | 11.25 | 0.09 | 0.00 | 0.29 | 0.10 |
| 2414 | 2570 | 2572 | 10.00 | 0.02 | 0.00 | 0.26 | 0.08 |
| | | | | | | | |
| 2415 | 2572 | 2573 | 8.75 | 0.01 | 0.00 | 0.22 | 0.06 |
| 2416 | 2573 | 2574 | 7.50 | 0.01 | 0.00 | 0.19 | 0.05 |
| 2417 | 2574 | 2575 | 6.25 | 0.00 | 0.00 | 0.16 | 0.03 |
| | 2575 | 2576 | | | | | |
| 2418 | | | 5.00 | 0.00 | 0.00 | 0.13 | 0.02 |
| 2419 | 2576 | 2632 | 3.75 | 0.00 | 0.00 | 0.10 | 0.01 |
| 2420 | 2632 | 2693 | 2.50 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2421 | 2693 | 2577 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| | | | | | | | |
| 2422 | 2577 | 5571 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2423 | 5572 | 1961 | -118.53 | 1.13 | 0.00 | 1.34 | 1.10 |
| 2424 | 1961 | 5573 | -119.78 | 1.22 | 0.00 | 1.36 | 1.12 |
| 2425 | 5574 | 1099 | 1.25 | 0.09 | 0.00 | 0.51 | 1.47 |
| | | | | | | | |
| 2426 | 5574 | 1652 | 1.25 | 0.27 | 0.00 | 0.51 | 1.47 |
| 2427 | 5573 | 5574 | 2.50 | 0.58 | 0.00 | 1.02 | 5.32 |
| 2428 | 5573 | 1281 | -122.28 | 2.18 | 0.00 | 3.12 | 8.36 |
| 2429 | 1281 | 204 | -123.53 | 1.19 | | | |
| | | | | | 0.00 | 3.15 | 8.52 |
| 2430 | 204 | 1678 | -124.78 | 1.22 | 0.00 | 3.19 | 8.68 |
| 2431 | 1678 | 5575 | -126.03 | 1.69 | 0.00 | 3.22 | 8.85 |
| 2432 | 5575 | 790 | -143.53 | 0.12 | 0.00 | 1.63 | 1.56 |
| | | | 17.50 | | | | |
| 2433 | 5575 | 992 | | 0.07 | 0.00 | 0.45 | 0.23 |
| 2434 | 790 | 1040 | -144.78 | 0.51 | 0.00 | 1.64 | 1.59 |
| 2435 | 992 | 2051 | 16.25 | 0.07 | 0.00 | 0.41 | 0.20 |
| 2436 | 2051 | 5576 | 15.00 | 0.03 | 0.00 | 0.38 | 0.17 |
| | | | | | | | |
| 2437 | 5576 | 1833 | 15.00 | 0.03 | 0.00 | 0.38 | 0.17 |
| 2438 | 1833 | 1656 | 13.75 | 0.03 | 0.00 | 0.35 | 0.15 |
| 2439 | 1656 | 5577 | 12.50 | 0.07 | 0.00 | 0.32 | 0.12 |
| 2440 | 55 <i>77</i> | 2284 | 3.75 | 0.79 | 0.00 | 1.53 | 11.27 |
| | | | | | | | |
| 2441 | 5578 | 5397 | 416.29 | 28.68 | 0.00 | 4.72 | 11.22 |
| 2444 | 1995 | 1826 | 5.00 | 0.00 | 0.00 | 0.06 | 0.00 |
| 2445 | 1826 | 2405 | 3.75 | 0.00 | 0.00 | 0.04 | 0.00 |
| 2446 | 2284 | 232 | 2.50 | 0.90 | 0.00 | 1.02 | 5.32 |
| | | | | | | | |
| 2447 | 232 | 2173 | 1.25 | 0.15 | 0.00 | 0.51 | 1.47 |
| 2448 | 5577 | 1315 | 8.75 | 1.14 | 0.00 | 0.89 | 1.85 |
| 2449 | 1315 | 1520 | 7.50 | 0.34 | 0.00 | 0.77 | 1.39 |
| 2450 | 1520 | 1834 | 6.25 | 0.27 | 0.00 | 0.64 | 0.99 |
| | | | | | | | |
| 2451 | 1834 | 2319 | 5.00 | 0.03 | 0.00 | 0.51 | 0.66 |
| 2452 | 2319 | 2667 | 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 2453 | 2667 | 1674 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2454 | 1674 | 2415 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 2455 | 1040 | 1963 | -146.03 | 2.96 | 0.00 | 1.66 | 1.61 |
| 2456 | 1963 | 5580 | -147.28 | 0.78 | 0.00 | 1.67 | 1.64 |
| 2457 | 5580 | 2039 | 8.75 | 0.48 | 0.00 | 0.89 | 1.85 |
| 2458 | 2039 | 1777 | 7.50 | 0.34 | 0.00 | 0.77 | 1.39 |
| | | | | | | | |
| 2459 | 1777 | 188 | 6.25 | 0.85 | 0.00 | 0.64 | 0.99 |
| 2460 | 188 | 2155 | 5.00 | 0.04 | 0.00 | 0.51 | 0.66 |
| 2461 | 2155 | 2103 | 3.75 | 0.39 | 0.00 | 0.38 | 0.39 |
| 2462 | 2103 | 210 | 2.50 | 0.36 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 2463 | 210 | 683 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 2464 | 5581 | 5580 | 156.03 | 5.32 | 0.00 | 1.77 | 1.82 |
| 2465 | 5581 | 1218 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| 2466 | 5581 | 1236 | -157.28 | 1.42 | 0.00 | 1.78 | 1.85 |
| | | | -158.53 | | | | |
| 2467 | 1236 | 2164 | | 0.29 | 0.00 | 1.80 | 1.88 |
| 2468 | 2164 | 5582 | -159.78 | 1.41 | 0.00 | 1.81 | 1.91 |
| 2469 | 5582 | 1974 | -159.78 | 2.63 | 0.00 | 1.81 | 1.91 |
| 2470 | 1974 | 2464 | -161.03 | 0.39 | 0.00 | 1.83 | 1.93 |
| | | | | | | | |
| 2471 | 2464 | 1087 | -162.28 | 2.05 | 0.00 | 1.84 | 1.96 |
| 2472 | 1087 | 650 | -163.53 | 0.81 | 0.00 | 1.86 | 1.99 |
| 2473 | 650 | 948 | -164.78 | 1.55 | 0.00 | 1.87 | 2.02 |
| 2474 | 948 | 950 | -166.03 | 1.03 | 0.00 | 1.88 | 2.05 |
| | | | | | | | |
| 2475 | 950 | 949 | -167.28 | 0.31 | 0.00 | 1.90 | 2.07 |
| 2476 | 949 | 5583 | -168.53 | 8.74 | 0.00 | 1.91 | 2.10 |
| 2477 | 5584 | 5585 | -417.50 | 0.11 | 0.00 | 1.71 | 0.94 |
| 2479 | 5583 | Hwy83 | -168.53 | 0.30 | 0.00 | 1.91 | 2.10 |
| | | _ | | | | | |
| 2480 | 5585 | 263 | 7.50 | 0.23 | 0.00 | 0.19 | 0.05 |
| 2481 | 5586 | 28 | 2.50 | 0.10 | 0.00 | 0.16 | 0.06 |
| 0.4.0.0 | | | 1 25 | 0.00 | 0 00 | | |
| 2482 | 28 | 654 | 1.25 | 0.00 | 0.00 | 0.08 | 0.02 |
| 2482
2483 | 28
5586 | 654
1238 | 1.25
3.75 | 0.17 | 0.00 | 0.08
0.38 | 0.02
0.39 |

| 2484 | 1238 | 875 | 2.50 | 1.03 | 0.00 | 0.26 | 0.18 |
|--------------|------|------|---------|------|------|------|------|
| | | | | | | | |
| 2485 | 875 | 1015 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2486 | 263 | 5586 | 6.25 | 0.02 | 0.00 | 0.16 | 0.03 |
| 2487 | 5584 | 162 | 417.50 | 0.27 | 0.00 | 1.71 | 0.94 |
| | | | | | | | |
| 2488 | 162 | 5587 | 416.25 | 2.09 | 0.00 | 1.70 | 0.93 |
| 2489 | 5587 | 1658 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 2490 | 5587 | 5588 | 415.00 | | | | |
| | | | | 0.75 | 0.00 | 1.70 | 0.93 |
| 2491 | 5588 | 380 | 3.75 | 0.54 | 0.00 | 0.38 | 0.39 |
| 2492 | 380 | 359 | 2.50 | 0.11 | 0.00 | 0.26 | 0.18 |
| | | | | | | | |
| 2493 | 359 | 1657 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2494 | 5588 | 5589 | 411.25 | 2.91 | 0.00 | 1.68 | 0.91 |
| 2495 | 5589 | 1262 | 411.25 | 0.21 | 0.00 | 1.68 | 0.91 |
| | | | | | | | |
| 2496 | 1262 | 5590 | 410.00 | 0.44 | 0.00 | 1.67 | 0.91 |
| 2497 | 5590 | 770 | 2.50 | 0.00 | 0.00 | 0.02 | 0.00 |
| 2498 | 770 | 1342 | 1.25 | 0.00 | 0.00 | 0.01 | 0.00 |
| | | | | | | | |
| 2499 | 5590 | 2669 | 407.50 | 0.18 | 0.00 | 1.66 | 0.90 |
| 2500 | 2669 | 1223 | 406.25 | 0.09 | 0.00 | 1.66 | 0.89 |
| | | | | | | | |
| 2501 | 1184 | 1223 | -405.00 | 0.18 | 0.00 | 1.65 | 0.89 |
| 2502 | 1184 | 1170 | 403.75 | 0.54 | 0.00 | 1.65 | 0.88 |
| 2503 | 1170 | 2383 | 1.25 | 0.00 | 0.00 | 0.01 | 0.00 |
| | | | | | | | |
| 2504 | 1170 | 361 | 401.25 | 0.11 | 0.00 | 1.64 | 0.87 |
| 2505 | 361 | 2340 | 400.00 | 0.01 | 0.00 | 1.63 | 0.87 |
| 2506 | 2340 | 1819 | 398.75 | 0.11 | 0.00 | 1.63 | 0.86 |
| | | | | | | | |
| 2507 | 1819 | 1990 | 397.50 | 0.02 | 0.00 | 1.62 | 0.86 |
| 2508 | 1990 | 5591 | 396.25 | 0.71 | 0.00 | 1.62 | 0.85 |
| | | | | | | | |
| 2509 | 5591 | 2030 | 22.50 | 0.03 | 0.00 | 0.14 | 0.01 |
| 2510 | 2030 | 610 | 21.25 | 0.03 | 0.00 | 0.54 | 0.33 |
| 2511 | 610 | 407 | 20.00 | 0.02 | 0.00 | 0.51 | 0.29 |
| | | | | | | | |
| 2512 | 407 | 982 | 18.75 | 0.30 | 0.00 | 0.48 | 0.26 |
| 2513 | 982 | 1160 | 17.50 | 0.07 | 0.00 | 0.45 | 0.23 |
| 2514 | 1160 | 619 | 16.25 | 0.20 | 0.00 | 0.41 | 0.20 |
| | | | | | | | |
| 2515 | 619 | 5592 | 15.00 | 1.78 | 0.00 | 0.98 | 1.69 |
| 2516 | 5592 | 2098 | 2.50 | 0.34 | 0.00 | 0.26 | 0.18 |
| 2517 | 2098 | 1453 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 2518 | 5592 | 5593 | 12.50 | 3.21 | 0.00 | 1.28 | 3.58 |
| 2519 | 5593 | 2468 | 12.50 | 1.56 | 0.00 | 1.28 | 3.58 |
| | 2468 | 2237 | 11.25 | 5.66 | 0.00 | 1.15 | 2.95 |
| 2520 | | | | | | | |
| 2521 | 2237 | 5594 | 10.00 | 1.97 | 0.00 | 1.02 | 2.37 |
| 2522 | 5594 | 1115 | 1.25 | 0.59 | 0.00 | 0.51 | 1.47 |
| | | 1428 | 8.75 | | | 0.89 | 1.85 |
| 2523 | 5594 | | | 0.27 | 0.00 | | |
| 2524 | 1428 | 39 | 7.50 | 2.60 | 0.00 | 0.77 | 1.39 |
| 2525 | 355 | 1679 | 5.00 | 0.01 | 0.00 | 0.51 | 0.66 |
| | | | 3.75 | | | | |
| 2526 | 1679 | 1889 | | 0.58 | 0.00 | 0.38 | 0.39 |
| 2527 | 1889 | 2044 | 2.50 | 0.18 | 0.00 | 0.26 | 0.18 |
| 2528 | 2044 | 2365 | 1.25 | 0.03 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 2529 | 39 | 355 | 6.25 | 0.09 | 0.00 | 0.64 | 0.99 |
| 2530 | 5591 | 1393 | 373.75 | 0.02 | 0.00 | 1.06 | 0.31 |
| 2531 | 1393 | 5595 | 372.50 | 0.62 | 0.00 | 1.06 | 0.31 |
| | | | | | | | |
| 2532 | 5595 | 1419 | 3.75 | 0.22 | 0.00 | 0.38 | 0.39 |
| 25 33 | 1419 | 1910 | 2.50 | 0.14 | 0.00 | 0.26 | 0.18 |
| 2534 | 1910 | 5596 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |
| 2535 | 5596 | 772 | 1.25 | 0.08 | 0.00 | 0.51 | 1.47 |
| 2536 | 5595 | 644 | 368.75 | 0.59 | 0.00 | 1.05 | 0.31 |
| 2537 | 644 | 89 | 1.25 | 0.00 | 0.00 | 0.01 | 0.00 |
| | | | | | | | |
| 2538 | 644 | 1781 | 366.25 | 1.12 | 0.00 | 1.04 | 0.30 |
| 2539 | 1781 | 771 | 365.00 | 0.13 | 0.00 | 1.04 | 0.30 |
| 2540 | 771 | 5597 | 363.75 | 0.24 | 0.00 | 1.03 | 0.30 |
| | | | | | | | |
| 2541 | 5597 | 1491 | 363.75 | 1.58 | 0.00 | 1.03 | 0.30 |
| 2542 | 1491 | 2584 | 362.50 | 0.02 | 0.00 | 1.03 | 0.30 |
| | 2584 | 2021 | 361.25 | 0.02 | 0.00 | 1.02 | 0.30 |
| 2543 | | | | | | | |
| 2544 | 2021 | 1642 | 360.00 | 0.14 | 0.00 | 1.02 | 0.29 |
| 2545 | 1642 | 1705 | 358.75 | 0.02 | 0.00 | 1.02 | 0.29 |
| | | | | | | | |
| 2546 | 1705 | 1839 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2547 | 1705 | 1007 | 356.25 | 0.15 | 0.00 | 1.01 | 0.29 |
| 2548 | 1007 | 2434 | 355.00 | 0.08 | 0.00 | 1.01 | 0.29 |
| | | | | | | | |
| 2549 | 2434 | 5598 | 353.75 | 0.02 | 0.00 | 1.00 | 0.28 |
| 2550 | 5598 | 1648 | 2.50 | 1.55 | 0.00 | 1.02 | 5.32 |
| 2551 | 1648 | 127 | 1.25 | 0.21 | 0.00 | 0.51 | 1.47 |
| | | | | | | | |
| 2552 | 5598 | 308 | 351.25 | 0.50 | 0.00 | 1.43 | 0.68 |
| 2553 | 308 | 5599 | 350.00 | 0.12 | 0.00 | 1.43 | 0.68 |
| | | 1931 | 2.50 | 0.58 | 0.00 | 1.02 | 5.32 |
| 2554 | 5599 | 1231 | 2.30 | 0.50 | 0.00 | 1.02 | 2.34 |

| 2555 | 1931 | 1680 | 1.25 | 0.22 | 0.00 | 0.51 | 1.47 |
|------|--------------|------|--------|------|------|------|------|
| 2556 | 5599 | 1788 | 347.50 | 0.10 | 0.00 | 1.42 | 0.67 |
| 2557 | 1788 | 5600 | 346.25 | 0.33 | 0.00 | 1.41 | 0.66 |
| | | | | | | | |
| 2558 | 5600 | 176 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 2559 | 176 | 1029 | 2.50 | 2.67 | 0.00 | 1.02 | 5.32 |
| 2560 | 1029 | 1933 | 1.25 | 0.15 | 0.00 | 0.51 | 1.47 |
| 2561 | 5600 | 625 | 342.50 | 0.63 | 0.00 | 1.40 | 0.65 |
| 2562 | 625 | 5601 | 341.25 | 0.05 | 0.00 | 1.39 | 0.65 |
| 2563 | 5601 | 2014 | 2.50 | 0.09 | 0.00 | 0.26 | 0.18 |
| 2564 | 2014 | 2704 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 2565 | 1623 | 2660 | 6.25 | 1.59 | 0.00 | 0.64 | 0.99 |
| 2566 | 2660 | 2411 | 5.00 | 0.13 | 0.00 | 0.51 | 0.66 |
| 2567 | 2411 | 1516 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| | 1516 | 1746 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| 2568 | | | | | | | |
| 2569 | 1746 | 1506 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2570 | 5438 | 7063 | 8.75 | 0.09 | 0.00 | 0.89 | 1.85 |
| 2571 | 415 | 417 | 16.71 | 0.29 | 0.00 | 1.71 | 6.13 |
| 2572 | 417 | 524 | 15.46 | 0.20 | 0.00 | 1.58 | 5.31 |
| 2573 | 524 | 173 | 14.21 | 0.17 | 0.00 | 1.45 | 4.54 |
| 2574 | 173 | 328 | 12.96 | 0.12 | 0.00 | 1.32 | 3.83 |
| 2575 | 328 | 1601 | 11.71 | 0.12 | 0.00 | 1.20 | 3.18 |
| 2576 | 1601 | 725 | 10.46 | 0.12 | 0.00 | 1.07 | 2.58 |
| 2577 | 725 | 1392 | 9.21 | 0.09 | 0.00 | 0.94 | 2.04 |
| 2578 | 1392 | 217 | 7.96 | 0.11 | 0.00 | 0.81 | 1.55 |
| 2579 | 217 | 389 | 6.71 | 0.11 | 0.00 | 0.69 | 1.13 |
| | | | | | | | |
| 2580 | 389 | 220 | 5.46 | 0.06 | 0.00 | 0.56 | 0.77 |
| 2581 | 220 | 7067 | 4.21 | 0.02 | 0.00 | 0.43 | 0.48 |
| 2582 | 7067 | 58 | 2.96 | 0.01 | 0.00 | 0.30 | 0.25 |
| 2583 | 58 | 5426 | 1.71 | 0.01 | 0.00 | 0.18 | 0.09 |
| 2584 | 5601 | 658 | 338.75 | 0.11 | 0.00 | 1.38 | 0.64 |
| 2585 | 658 | 5603 | 337.50 | 0.09 | 0.00 | 1.38 | 0.63 |
| 2586 | 5603 | 1989 | 5.00 | 0.47 | 0.00 | 0.51 | 0.66 |
| 2587 | 1989 | 2677 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 2588 | 2677 | 2689 | 2.50 | 0.09 | 0.00 | 0.26 | 0.18 |
| 2589 | 2689 | 2682 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2590 | 5603 | 2 | 332.50 | 0.09 | 0.00 | 1.36 | 0.62 |
| | | 8062 | 331.25 | | | | |
| 2591 | 2 | | | 0.08 | 0.00 | 1.35 | 0.61 |
| 2592 | 8062 | 1076 | 330.00 | 0.10 | 0.00 | 1.35 | 0.61 |
| 2593 | 1076 | 5604 | 328.75 | 0.27 | 0.00 | 1.34 | 0.60 |
| 2594 | 5604 | 5665 | 7.50 | 0.73 | 0.00 | 0.77 | 1.39 |
| 2595 | 1356 | 2271 | 5.00 | 0.22 | 0.00 | 0.51 | 0.66 |
| 2596 | 2271 | 1045 | 3.75 | 0.11 | 0.00 | 0.38 | 0.39 |
| 2597 | 1045 | 2199 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| 2598 | 2199 | 2198 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2599 | 5665 | 2687 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2600 | 5604 | 2430 | 321.25 | 0.69 | 0.00 | 1.31 | 0.58 |
| 2601 | 2430 | 5605 | 320.00 | 0.70 | 0.00 | 1.31 | 0.57 |
| 2602 | 5605 | 5606 | 303.75 | 0.07 | 0.00 | 0.86 | 0.21 |
| | | 2255 | | 2.78 | | | |
| 2603 | 5606 | | 96.25 | | 0.00 | 0.61 | 0.18 |
| 2604 | 5422 | 352 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2605 | 2255 | 1735 | 95.00 | 0.01 | 0.00 | 0.27 | 0.02 |
| 2606 | 5607 | 921 | 1.25 | 0.05 | 0.00 | 0.13 | 0.05 |
| 2607 | 5608 | 108 | 2.50 | 0.06 | 0.00 | 0.26 | 0.18 |
| 2608 | 108 | 1187 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2609 | 5607 | 5608 | 92.50 | 0.58 | 0.00 | 1.05 | 0.69 |
| 2610 | 5608 | 9004 | 73.75 | 0.03 | 0.00 | 0.84 | 0.46 |
| 2611 | 5243 | 8039 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2612 | 5635 | 1927 | 0.48 | 0.00 | 0.00 | 0.05 | 0.01 |
| 2613 | 289 | 5644 | 17.03 | 0.12 | 0.00 | 0.43 | 0.22 |
| | | | | | | | |
| 2615 | 5608
5613 | 5612 | 16.25 | 0.06 | 0.00 | 0.10 | 0.01 |
| 2616 | 5612 | 5613 | 16.25 | 0.37 | 0.00 | 0.41 | 0.20 |
| 2617 | 5613 | 8056 | 5.00 | 0.53 | 0.00 | 0.51 | 0.66 |
| 2618 | 8056 | 8055 | 3.75 | 0.00 | 0.00 | 0.38 | 0.39 |
| 2619 | 8055 | 8058 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 2620 | 8058 | 8057 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2621 | 5613 | 2148 | 11.25 | 4.96 | 0.00 | 1.15 | 2.95 |
| 2622 | 2148 | 2503 | 10.00 | 0.62 | 0.00 | 1.02 | 2.37 |
| 2623 | 2503 | 2178 | 8.75 | 0.63 | 0.00 | 0.89 | 1.85 |
| 2624 | 2178 | 2175 | 7.50 | 0.04 | 0.00 | 0.77 | 1.39 |
| | 2175 | 2173 | 6.25 | 0.47 | 0.00 | 0.64 | 0.99 |
| 2625 | | | | | | | |
| 2626 | 2174 | 2177 | 5.00 | 0.38 | 0.00 | 0.51 | 0.66 |

| 2627 | 2177 | 2180 | 3.75 | 0.18 | 0.00 | 0.38 | 0.39 |
|---------|--------|------|--------|------|------|------|-------|
| 2628 | 2180 | 2179 | 2.50 | 0.08 | 0.00 | 0.26 | 0.18 |
| 2629 | 2179 | 2176 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2630 | 5430 | 416 | 1.25 | 0.00 | 0.00 | | |
| | | | 1.23 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2631-XX | 5496 | 5502 | 50 50 | | | | |
| 2632 | 5488 | 9002 | 22.50 | 0.04 | 0.00 | 0.57 | 0.36 |
| 2633 | 5490 | 9001 | 31.25 | 0.03 | 0.00 | 0.80 | 0.67 |
| 2634 | 5492 | 5493 | 44.53 | 0.22 | 0.00 | 2.02 | 5.23 |
| 2635 | 5493 | 9000 | 18.75 | 0.04 | 0.00 | 0.85 | 1.05 |
| 2636 | FGN-BB | J-44 | 102.16 | 0.05 | 0.00 | 1.16 | 0.83 |
| 2637 | 5617 | 5497 | 102.16 | 0.05 | 0.00 | 1.16 | 0.83 |
| 2638 | 5618 | 1572 | 12.50 | 0.33 | 0.00 | 0.57 | 0.50 |
| 2639 | 1572 | 1592 | 11.25 | 0.05 | 0.00 | 0.51 | 0.41 |
| 2640 | 1592 | 1551 | 10.00 | 0.00 | 0.00 | 0.45 | 0.33 |
| 2641 | 1551 | 1593 | 8.75 | 0.10 | 0.00 | 0.40 | 0.26 |
| 2642 | 1593 | 159 | 7.50 | 0.05 | | 0.34 | |
| | | | | | 0.00 | | 0.19 |
| 2643 | 159 | 2450 | 6.25 | 0.00 | 0.00 | 0.28 | 0.14 |
| 2644 | 2450 | 932 | 5.00 | 0.01 | 0.00 | 0.23 | 0.09 |
| 2645 | 932 | 98 | 3.75 | 0.02 | 0.00 | 0.17 | 0.05 |
| 2646 | 98 | 1229 | 2.50 | 0.01 | 0.00 | 0.11 | 0.03 |
| 2647 | 1229 | 5619 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2648 | 5619 | 215 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2649 | 1384 | 5620 | 11.25 | 0.33 | 0.00 | 0.51 | 0.41 |
| 2650 | 1566 | 660 | 7.50 | 0.03 | 0.00 | 0.34 | 0.19 |
| 2651 | 660 | 2449 | 6.25 | 0.03 | 0.00 | 0.28 | 0.14 |
| 2652 | 2449 | 714 | 5.00 | 0.00 | 0.00 | | |
| | | | | | | 0.23 | 0.09 |
| 2653 | 714 | 1332 | 3.75 | 0.01 | 0.00 | 0.17 | 0.05 |
| 2654 | 1332 | 2498 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| 2655 | 2498 | 181 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2656 | 5501 | 2331 | 92.16 | 0.31 | 0.00 | 1.05 | 0.69 |
| 2657 | 2331 | 121 | 90.91 | 0.05 | 0.00 | 1.03 | 0.67 |
| 2658 | 5618 | 1384 | 12.50 | 0.10 | 0.00 | 0.57 | 0.50 |
| 2659 | 5618 | 5503 | -25.00 | 1.03 | 0.00 | 1.13 | 1.79 |
| 2660 | 1379 | 1566 | 8.75 | 0.01 | 0.00 | 0.40 | 0.26 |
| 2661 | 5620 | 1379 | 10.00 | 0.15 | 0.00 | 0.45 | 0.33 |
| | | 1511 | 1.25 | | | | |
| 2662 | 5620 | | | 0.00 | 0.00 | 0.06 | 0.01 |
| 2663 | 5515 | 2458 | 82.50 | 0.03 | 0.00 | 0.94 | 0.56 |
| 2664 | 2458 | 1527 | 81.25 | 0.24 | 0.00 | 0.92 | 0.54 |
| 2666 | 2144 | 5513 | 78.75 | 0.09 | 0.00 | 0.89 | 0.51 |
| 2667 | 5625 | 199 | 15.00 | 0.62 | 0.00 | 1.53 | 5.02 |
| 2668 | 199 | 2135 | 13.75 | 0.44 | 0.00 | 1.40 | 4.27 |
| 2669 | 2135 | 2038 | 12.50 | 1.28 | 0.00 | 1.28 | 3.58 |
| 2670 | 2038 | 1475 | 11.25 | 0.27 | 0.00 | 1.15 | 2.95 |
| 2671 | 1596 | 1476 | 8.75 | 0.37 | 0.00 | 0.89 | 1.85 |
| 2672 | 5513 | 5625 | 78.75 | 0.38 | 0.00 | 0.89 | 0.51 |
| 2673 | 5537 | 5626 | 243.75 | 4.17 | 0.00 | 2.77 | 4.17 |
| 2674 | 5626 | 5627 | 21.25 | 0.16 | 0.00 | 0.54 | 0.33 |
| | | 8054 | 21.25 | | | | |
| 2675 | 5627 | | | 0.04 | 0.00 | 0.54 | 0.33 |
| 2676 | 8054 | 143 | 20.00 | 0.00 | 0.00 | 0.51 | 0.29 |
| 2677 | 143 | 5628 | 18.75 | 0.05 | 0.00 | 0.48 | 0.26 |
| 2678 | 5628 | 1691 | 6.25 | 0.69 | 0.00 | 0.64 | 0.99 |
| 2679 | 1691 | 840 | 5.00 | 0.01 | 0.00 | 0.51 | 0.66 |
| 2680 | 840 | 739 | 3.75 | 0.07 | 0.00 | 0.38 | 0.39 |
| 2681 | 739 | 8018 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 2682 | 8018 | 1372 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2683 | 5628 | 655 | 12.50 | 0.21 | 0.00 | 1.28 | 3.58 |
| 2684 | 655 | 2695 | 11.25 | 0.59 | 0.00 | 1.15 | 2.95 |
| | | 639 | 10.00 | | | | |
| 2685 | 2695 | | | 0.47 | 0.00 | 1.02 | 2.37 |
| 2686 | 639 | 13 | 8.75 | 0.41 | 0.00 | 0.89 | 1.85 |
| 2687 | 13 | 5629 | 7.50 | 0.17 | 0.00 | 0.77 | 1.39 |
| 2688 | 5629 | 1080 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| 2689 | 1080 | 1224 | 2.50 | 0.04 | 0.00 | 0.26 | 0.18 |
| 2690 | 1224 | 759 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2691 | 5629 | 1630 | 3.75 | 0.56 | 0.00 | 1.53 | 11.27 |
| 2692 | 1630 | 1639 | 2.50 | 1.22 | 0.00 | 1.02 | 5.32 |
| | 1639 | 1063 | 1.25 | 0.04 | 0.00 | 0.51 | 1.47 |
| 2693 | | | | | | | |
| 2694 | 5626 | 5630 | 222.50 | 0.35 | 0.00 | 2.52 | 3.52 |
| 2695 | 5630 | 5631 | 82.50 | 0.06 | 0.00 | 0.94 | 0.56 |
| 2696 | 5631 | 5632 | 7.98 | 0.01 | 0.00 | 0.36 | 0.22 |
| 2697 | 5632 | 2471 | 7.98 | 0.05 | 0.00 | 0.36 | 0.22 |
| 2698 | 2471 | 5633 | 6.73 | 0.04 | 0.00 | 0.31 | 0.16 |
| | | | | | | | |

| 2699 | 5633 | 718 | 6.73 | 0.45 | 0.00 | 0.69 | 1.14 |
|---------|------|------|--------|------|------|------|------|
| 2700 | 718 | 5634 | 5.48 | 0.62 | 0.00 | | |
| | | | | | | 0.56 | 0.78 |
| 2701 | 5634 | 280 | 5.48 | 0.12 | 0.00 | 0.56 | 0.78 |
| 2702 | 280 | 1287 | 4.23 | 0.00 | 0.00 | 0.43 | 0.48 |
| 2703 | 1287 | 5635 | 2.98 | 0.04 | 0.00 | 0.30 | 0.25 |
| 2704 | 5635 | 196 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 2705 | 196 | 1915 | 1.25 | 0.00 | | | |
| | | | | | 0.00 | 0.13 | 0.05 |
| 2706 | 1927 | 1926 | -0.77 | 0.00 | 0.00 | 0.08 | 0.02 |
| 2707 | 1926 | 1946 | -2.02 | 0.00 | 0.00 | 0.21 | 0.12 |
| 2708 | 1946 | 2000 | -3.27 | 0.04 | 0.00 | 0.33 | 0.30 |
| 2709 | 2000 | 1999 | -4.52 | 0.01 | 0.00 | 0.46 | 0.55 |
| | | 511 | | | | | |
| 2710 | 1999 | | -5.77 | 0.17 | 0.00 | 0.59 | 0.86 |
| 2711 | 511 | 5636 | -7.02 | 0.94 | 0.00 | 0.72 | 1.23 |
| 2712 | 5636 | 2204 | -7.02 | 0.01 | 0.00 | 0.32 | 0.17 |
| 2713 | 2204 | 5637 | -8.27 | 0.01 | 0.00 | 0.38 | 0.23 |
| 2714 | 5637 | 5640 | -4.11 | 0.09 | 0.00 | | |
| | | | | | | 0.42 | 0.46 |
| 2715 | 5637 | 5638 | -4.17 | 0.09 | 0.00 | 0.43 | 0.47 |
| 2716 | 5638 | 5639 | -4.17 | 0.00 | 0.00 | 0.19 | 0.07 |
| 2717-XX | 5638 | 5632 | | | | | |
| 2718 | 5639 | 5640 | 61.61 | 0.00 | 0.00 | 0.70 | 0.33 |
| | | | | | | | |
| 2719 | 5639 | 5641 | 7.50 | 0.07 | 0.00 | 0.77 | 1.39 |
| 2720 | 5641 | 1894 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2721 | 1894 | 711 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2722 | 5641 | 2041 | 5.00 | 0.05 | 0.00 | 0.51 | 0.66 |
| 2723 | 2041 | 447 | 3.75 | 0.03 | 0.00 | 0.38 | 0.39 |
| | | | | | | | |
| 2724 | 447 | 17 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2725 | 17 | 2309 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2726 | 2433 | 1420 | 55.00 | 0.13 | 0.00 | 0.62 | 0.26 |
| 2727 | 5640 | 2673 | 57.50 | 0.05 | 0.00 | 0.65 | 0.29 |
| 2728 | 2673 | 2433 | 56.25 | 0.02 | | 0.64 | |
| | | | | | 0.00 | | 0.28 |
| 2729 | 5631 | 1556 | 74.52 | 0.05 | 0.00 | 0.85 | 0.46 |
| 2730 | 1556 | 5639 | 73.27 | 0.02 | 0.00 | 0.83 | 0.45 |
| 2731 | 5643 | 289 | 18.28 | 0.01 | 0.00 | 0.47 | 0.25 |
| 2732 | 5643 | 1420 | -18.28 | 0.01 | 0.00 | 0.47 | 0.25 |
| | | 693 | 35.47 | 0.00 | | | |
| 2733 | 1420 | | | | 0.00 | 0.40 | 0.12 |
| 2734 | 693 | 73 | 34.22 | 0.01 | 0.00 | 0.39 | 0.11 |
| 2735 | 73 | 82 | 32.97 | 0.01 | 0.00 | 0.37 | 0.10 |
| 2736 | 82 | 5642 | 31.72 | 0.03 | 0.00 | 0.36 | 0.10 |
| 2737 | 5644 | 1210 | 3.75 | 0.00 | 0.00 | 0.17 | 0.05 |
| 2738 | 1210 | 372 | 2.50 | 0.00 | 0.00 | | |
| | | | | | | 0.11 | 0.03 |
| 2739 | 372 | 15 | 1.25 | 0.00 | 0.00 | 0.03 | 0.00 |
| 2740 | 5644 | 5645 | 13.28 | 0.11 | 0.00 | 0.60 | 0.56 |
| 2741 | 5645 | 2140 | 13.75 | 0.08 | 0.00 | 0.62 | 0.59 |
| 2742 | 2140 | 845 | 12.50 | 0.03 | 0.00 | 0.57 | 0.50 |
| 2743 | 845 | 700 | 11.25 | 0.01 | 0.00 | 0.51 | 0.41 |
| | | | | | | | |
| 2744 | 700 | 990 | 10.00 | 0.03 | 0.00 | 0.45 | 0.33 |
| 2745 | 990 | 1272 | 8.75 | 0.01 | 0.00 | 0.40 | 0.26 |
| 2746 | 1272 | 221 | 7.50 | 0.01 | 0.00 | 0.34 | 0.19 |
| 2747 | 221 | 23 | 6.25 | 0.00 | 0.00 | 0.16 | 0.03 |
| 2748 | 23 | 1659 | 5.00 | 0.01 | 0.00 | 0.23 | 0.09 |
| | | | | | | | |
| 2749 | 1659 | 2107 | 3.75 | 0.00 | 0.00 | 0.17 | 0.05 |
| 2750 | 2107 | 298 | 2.50 | 0.00 | 0.00 | 0.11 | 0.03 |
| 2751 | 298 | 601 | 1.25 | 0.00 | 0.00 | 0.06 | 0.01 |
| 2752 | 5645 | 591 | -0.47 | 0.00 | 0.00 | 0.02 | 0.00 |
| 2753 | 591 | 483 | -1.72 | 0.00 | 0.00 | 0.08 | 0.01 |
| | | | | | | | |
| 2754 | 483 | 2202 | -2.97 | 0.00 | 0.00 | 0.13 | 0.03 |
| 2755 | 2202 | 2117 | -4.22 | 0.00 | 0.00 | 0.19 | 0.07 |
| 2756 | 2117 | 1377 | -5.47 | 0.02 | 0.00 | 0.25 | 0.11 |
| 2757 | 1377 | 5646 | -6.72 | 0.00 | 0.00 | 0.31 | 0.16 |
| 2758 | 5646 | 5647 | -6.72 | 0.01 | 0.00 | 0.31 | 0.16 |
| | | | | | | | |
| 2759 | 5647 | 1546 | 12.13 | 0.08 | 0.00 | 0.55 | 0.47 |
| 2760 | 1546 | 1483 | 10.88 | 0.00 | 0.00 | 0.49 | 0.38 |
| 2761 | 1483 | 844 | 9.63 | 0.04 | 0.00 | 0.44 | 0.31 |
| 2762 | 844 | 5648 | 8.38 | 0.01 | 0.00 | 0.38 | 0.24 |
| | 5648 | 1092 | 8.38 | 0.01 | 0.00 | 0.38 | 0.24 |
| 2763 | | | | | | | |
| 2764 | 1092 | 5649 | 7.13 | 0.04 | 0.00 | 0.32 | 0.18 |
| 2765 | 5649 | 2684 | 7.13 | 0.25 | 0.00 | 0.73 | 1.27 |
| 2766 | 2684 | 802 | 5.88 | 0.01 | 0.00 | 0.60 | 0.89 |
| 2767 | 802 | 65 | 4.63 | 0.06 | 0.00 | 0.47 | 0.57 |
| 2768 | 65 | 419 | 3.38 | 0.00 | 0.00 | 0.15 | 0.04 |
| | | | | | | | |
| 2769 | 419 | 1303 | 2.13 | 0.01 | 0.00 | 0.22 | 0.14 |

| 2770 | 1303 | 1969 | 0.88 | 0.00 | 0.00 | 0.09 | 0.03 |
|------|------|-------------|--------|------|------|------|-------|
| 2771 | 1969 | 1375 | -0.37 | 0.00 | 0.00 | 0.04 | 0.01 |
| 2772 | 2172 | 1375 | 1.62 | 0.01 | 0.00 | 0.17 | 0.08 |
| 2773 | 991 | 2172 | 2.87 | 0.02 | 0.00 | 0.29 | 0.23 |
| | | | | | | | |
| 2774 | 991 | 5650 | -4.12 | 0.07 | 0.00 | 0.42 | 0.46 |
| 2775 | 5650 | 102 | -4.12 | 0.05 | 0.00 | 0.42 | 0.46 |
| 2776 | 102 | 276 | -5.37 | 0.04 | 0.00 | 0.55 | 0.75 |
| 2777 | 276 | 1100 | -6.62 | 0.11 | 0.00 | 0.68 | 1.10 |
| 2778 | 1100 | 182 | -7.87 | 0.08 | 0.00 | 0.80 | 1.52 |
| 2779 | 182 | 733 | -9.12 | 0.02 | 0.00 | 0.93 | 2.00 |
| 2780 | 733 | 570 | -10.37 | 0.30 | 0.00 | 1.06 | 2.53 |
| 2781 | 570 | 219 | -11.62 | 0.00 | 0.00 | 0.13 | 0.01 |
| 2782 | 219 | 5642 | -12.87 | 0.00 | 0.00 | 0.15 | 0.02 |
| 2783 | 5642 | 5647 | 18.86 | 0.19 | 0.00 | 0.48 | 0.26 |
| 2784 | 5630 | 5539 | 140.00 | 6.98 | 0.00 | 3.57 | |
| | | | | | | | 10.75 |
| 2785 | 5542 | 9003 | 140.00 | 2.27 | 0.00 | 6.35 | 43.62 |
| 2786 | 5605 | 510 | 16.25 | 2.04 | 0.00 | 1.66 | 5.82 |
| 2787 | 510 | 200 | 15.00 | 1.26 | 0.00 | 1.53 | 5.02 |
| 2788 | 200 | 2512 | 13.75 | 0.64 | 0.00 | 1.40 | 4.27 |
| 2789 | 2512 | 2513 | 12.50 | 0.54 | 0.00 | 1.28 | 3.58 |
| 2790 | 2513 | 2537 | 11.25 | 0.29 | 0.00 | 1.15 | 2.95 |
| 2791 | 2537 | 264 | 10.00 | 0.47 | 0.00 | 1.02 | 2.37 |
| 2792 | 264 | 2516 | 8.75 | 0.19 | 0.00 | 0.89 | 1.85 |
| 2793 | 2516 | 2515 | 7.50 | 0.01 | 0.00 | 0.77 | 1.39 |
| 2794 | 2515 | 2514 | 6.25 | 0.15 | 0.00 | 0.64 | 0.99 |
| 2795 | 2514 | 2666 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| | | | | | | 0.31 | |
| 2796 | 2666 | 2302 | 3.75 | 0.10 | 0.00 | | 0.39 |
| 2797 | 2302 | 2506 | 2.50 | 0.05 | 0.00 | 0.26 | 0.18 |
| 2798 | 2506 | 2507 | 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 2799 | 5660 | 5610 | 61.25 | 1.16 | 0.00 | 1.56 | 2.32 |
| 2800 | 757 | 1653 | 3.75 | 0.00 | 0.00 | 0.38 | 0.39 |
| 2801 | 1653 | 1920 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2802 | 1920 | 1150 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2803 | 5610 | 5611 | 55.00 | 0.57 | 0.00 | 1.40 | 1.90 |
| 2804 | 5611 | 1020 | 2.50 | 0.03 | 0.00 | 0.26 | 0.18 |
| 2805 | 1020 | 164 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2806 | 5611 | 1925 | 52.50 | 0.09 | 0.00 | 1.34 | 1.75 |
| 2807 | 1925 | 2452 | 51.25 | 0.25 | 0.00 | 1.31 | 1.67 |
| 2807 | 1923 | 2432 | 31.23 | 0.23 | 0.00 | 1.31 | 1.07 |
| 2000 | 2452 | EC51 | E0 00 | 0.16 | 0.00 | 1 20 | 1 60 |
| 2808 | 2452 | 5651 | 50.00 | 0.16 | 0.00 | 1.28 | 1.60 |
| 2809 | 5651 | 606 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| 2810 | 606 | 6 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 2811 | 6 | 322 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 2812 | 322 | 172 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2813 | 5651 | 5652 | 45.00 | 0.20 | 0.00 | 1.15 | 1.31 |
| 2814 | 5652 | 5654 | 21.13 | 0.03 | 0.00 | 0.54 | 0.32 |
| 2815 | 5654 | 1268 | 3.75 | 0.00 | 0.00 | 0.38 | 0.39 |
| 2816 | 1268 | 212 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 2817 | 212 | 1004 | 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2818 | 5654 | 5655 | 17.38 | 0.03 | 0.00 | 0.44 | 0.23 |
| 2819 | 5655 | 793 | 17.38 | 0.03 | 0.00 | 0.79 | 0.92 |
| | | 794 | | 0.23 | | | |
| 2820 | 793 | | 16.13 | | 0.00 | 0.73 | 0.80 |
| 2821 | 794 | 1499 | 14.88 | 0.10 | 0.00 | 0.68 | 0.69 |
| 2822 | 5656 | 193 | 6.25 | 0.20 | 0.00 | 0.64 | 0.99 |
| 2823 | 1499 | 5656 | 13.63 | 0.02 | 0.00 | 0.62 | 0.58 |
| 2824 | 193 | 471 | 5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| 2825 | 471 | 283 | 3.75 | 0.04 | 0.00 | 0.38 | 0.39 |
| 2826 | 283 | 1286 | 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 2827 | 1286 | 1149 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2828 | 5656 | 5657 | 7.38 | 0.13 | 0.00 | 0.75 | 1.35 |
| 2829 | 5657 | 88 | 13.75 | 0.13 | 0.00 | 1.40 | 4.27 |
| | 88 | 175 | 12.50 | 0.29 | 0.00 | 1.28 | 3.58 |
| 2830 | | | | | | 1.15 | 2.95 |
| 2831 | 175 | 441 | 11.25 | 0.03 | 0.00 | | |
| 2832 | 441 | 1479 | 10.00 | 0.19 | 0.00 | 1.02 | 2.37 |
| 2833 | 1479 | 1537 | 8.75 | 0.02 | 0.00 | 0.89 | 1.85 |
| 2834 | 1537 | 1800 | 7.50 | 0.14 | 0.00 | 0.77 | 1.39 |
| 2835 | 1800 | 70 <i>6</i> | 6.25 | 0.01 | 0.00 | 0.64 | 0.99 |
| 2836 | 706 | 1586 | 5.00 | 0.03 | 0.00 | 0.51 | 0.66 |
| 2837 | 1586 | 1503 | 3.75 | 0.02 | 0.00 | 0.38 | 0.39 |
| 2838 | 1503 | 889 | 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2839 | 889 | 1240 | 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| | | | | | | | |

| 2840 | 5653 6 | 99 7.62 | 0.14 | 0.00 | 0.78 | 1.43 |
|--------|--------------------|------------|-------|------|------|-------|
| 2841 | | 57 6.37 | | 0.00 | 0.65 | 1.03 |
| 2842 | | 99 16.25 | | 0.00 | 1.66 | 5.82 |
| 2843 | 499 26 | | | 0.00 | 1.53 | 5.02 |
| 2844 | | 29 13.75 | | 0.00 | 1.40 | 4.27 |
| 2845 | 929 12 | | | 0.00 | 1.28 | 3.58 |
| 2846 | | 45 11.25 | | 0.00 | 1.15 | 2.95 |
| 2847 | 545 15 | | | 0.00 | | |
| | | | | | 1.02 | 2.37 |
| 2848 | 1591 10 | | | 0.00 | 0.89 | 1.85 |
| 2849 | 1093 56 | | | 0.00 | 0.77 | 1.39 |
| 2850 | 5658 56 | | | 0.00 | 0.26 | 0.18 |
| 2851 | | 88 1.25 | | 0.00 | 0.13 | 0.05 |
| 2852 | | 89 1.25 | | 0.00 | 0.13 | 0.05 |
| 2853 | | 69 5.00 | | 0.00 | 0.51 | 0.66 |
| 2854 | | 71 3.75 | | 0.00 | 0.38 | 0.39 |
| 2855 | | 99 2.50 | | 0.00 | 0.26 | 0.18 |
| 2856 | 599 15 | 90 1.25 | 0.01 | 0.00 | 0.13 | 0.05 |
| 2857 | 5660 8 | 21 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 2858 | 821 16 | 65 1.25 | 0.00 | 0.00 | 0.13 | 0.05 |
| 2859 | 5610 7 | 84 6.25 | 0.10 | 0.00 | 0.64 | 0.99 |
| 2860 | 1476 6 | 21 7.50 | 1.11 | 0.00 | 0.77 | 1.39 |
| 2861 | 621 25 | 90 6.25 | 0.99 | 0.00 | 0.64 | 0.99 |
| 2862 | 2590 17 | | | 0.00 | 0.51 | 0.66 |
| 2863 | | 57 3.75 | | 0.00 | 0.38 | 0.39 |
| 2864 | | 60 2.50 | | 0.00 | 0.26 | 0.18 |
| 2865 | 860 25 | | | 0.00 | 0.13 | 0.05 |
| 2866 | | 05 33.75 | | 0.00 | 1.53 | 3.13 |
| 2867 | | 06 32.50 | | 0.00 | 1.48 | 2.92 |
| | 1527 55 | | | | | |
| 2868 | | | | 0.00 | 0.91 | 0.53 |
| 2869 | | 07 207.50 | | 0.00 | 2.35 | 3.09 |
| 2870 | 5512 21 | | | 0.00 | 0.91 | 0.53 |
| 2871 | 5625 56 | | | 0.00 | 1.63 | 2.50 |
| 2872 | | 57 5.00 | | 0.00 | 0.13 | 0.02 |
| 2873 | 5652 56 | | | 0.00 | 0.61 | 0.41 |
| 2874 | 1475 15 | | | 0.00 | 1.02 | 2.37 |
| 2875 | | 02 -5.00 | | 0.00 | 0.51 | 0.66 |
| 2876 | 1321 50 | 12 -23.75 | 0.04 | 0.00 | 0.61 | 0.40 |
| 2877 | 808 27 | 02 -152.04 | 11.19 | 0.00 | 3.88 | 12.52 |
| 2878 | 2702 50 | 41 -153.29 | 5.86 | 0.00 | 3.91 | 12.71 |
| 2879 | 5526 25 | 87 2.50 | 0.02 | 0.00 | 0.26 | 0.18 |
| 2880 | 5532 56 | 62 6.25 | 2.39 | 0.00 | 0.64 | 0.99 |
| 2881 | 5662 26 | 05 6.25 | 0.97 | 0.00 | 0.64 | 0.99 |
| 2882 | 2605 25 | 83 5.00 | 0.16 | 0.00 | 0.51 | 0.66 |
| 2883 | 2583 1 | 79 3.75 | 0.10 | 0.00 | 0.38 | 0.39 |
| 2884 | 179 14 | 02 2.50 | 0.01 | 0.00 | 0.26 | 0.18 |
| 2885 | 1402 2 | 81 1.25 | 0.02 | 0.00 | 0.13 | 0.05 |
| 2886 | | 49 41.25 | | 0.00 | 1.05 | 1.12 |
| 2887 | | 88 6.25 | | 0.00 | 0.41 | 0.33 |
| 2888 | | 70 5.00 | | 0.00 | 0.33 | 0.22 |
| 2889 | | 63 3.75 | | 0.00 | 0.25 | 0.13 |
| 2890 | | 64 1.25 | | 0.00 | 0.13 | 0.05 |
| 2891 | | 32 1.25 | | 0.00 | 0.13 | 0.05 |
| 2892 | | 06 2.50 | | 0.00 | 0.16 | 0.06 |
| 2893 | | 03 1.25 | | 0.00 | 0.08 | 0.02 |
| | | 15 10.00 | | 0.00 | 1.02 | |
| 2894 | | | | | | 2.37 |
| 2895 | 115 20 | | | 0.00 | 0.89 | 1.85 |
| 2896 | | 70 7.50 | | 0.00 | 0.77 | 1.39 |
| 2897 | 7070 25 | | | 0.00 | 0.64 | 0.99 |
| 2898 | | 71 5.00 | | 0.00 | 0.51 | 0.66 |
| 2899 | 7071 17 | | | 0.00 | 0.38 | 0.39 |
| 2900 | | .97 2.50 | | 0.00 | 0.26 | 0.18 |
| 2901 | | 40 1.25 | | 0.00 | 0.13 | 0.05 |
| 2903 | | 56 6.25 | | 0.00 | 0.64 | 0.99 |
| 2904 | 1735 56 | 07 93.75 | 0.04 | 0.00 | 0.27 | 0.02 |
| 2907 | 62 5 | 52 -5.00 | 0.07 | 0.00 | 0.51 | 0.66 |
| P-1295 | 5572 R | -2 118.53 | 3.72 | 0.00 | 1.34 | 1.10 |
| P-130 | J-11 McMahan | -1 -142.82 | 0.01 | 0.00 | 1.62 | 1.55 |
| P-1322 | J-1 53 | | | 0.00 | 0.64 | 0.99 |
| P-1451 | | 10.00 | | 0.00 | 1.82 | 9.62 |
| P-157 | 5667 Payne | | | 0.00 | 1.43 | 1.23 |
| P-1695 | JimNetheryJimNethe | | | 0.00 | 4.45 | 10.04 |
| | | , | | | | |

| P-173 | 5667 Payne-1 | 126.26 | 0.03 | 0.00 | 1.43 | 1.23 |
|--------|---|------------------|-------|------|-------|--------|
| P-1784 | 5661 J-22 | -28.75 | 0.17 | 0.00 | 1.30 | 2.33 |
| P-1949 | Hwy83-Plan Hwy83-2 | 303.34 | 1.75 | 0.00 | 7.74 | 44.99 |
| P-208 | Tebo Tebo-1 | 42.56 | 0.01 | 0.00 | 1.09 | 1.18 |
| P-209 | Tebo Tebo-2 | 42.56 | 0.01 | 0.00 | 1.09 | 1.18 |
| P-2138 | J-34Hwy83-Plan | 88.41 | 0.56 | 0.00 | 2.26 | 4.59 |
| P-2140 | Hwy83-Plan Hwy83-1 | 307.91 | 1.62 | 0.00 | 7.86 | 46.26 |
| P-2141 | J-37 J-22 | 28.75 | 0.03 | 0.00 | 1.30 | 2.33 |
| P-2142 | J-37 5505 | 91.25 | 0.16 | 0.00 | 2.33 | 4.86 |
| P-2442 | J-21 King-2 | 207.91 | 0.34 | 0.00 | 2.36 | 3.10 |
| P-2443 | J-21 King-1 | 208.39 | 0.21 | 0.00 | 2.36 | 3.12 |
| P-2478 | 7035CrossRoad- | 205.18 | 1.07 | 0.00 | 2.33 | 3.03 |
| P-2614 | Plant-A5 5668 | 4.09 | 0.00 | 0.00 | 0.05 | 0.00 |
| P-2665 | T-1184-Pump-1 | 208.80 | 0.48 | 0.00 | 2.37 | 3.13 |
| P-2902 | Hemphill-T 5335 | 3516.18 | 44.38 | 0.00 | 39.90 | 583.94 |
| P-2905 | Payne-2 5048 | 126.28 | 0.02 | 0.00 | 1.43 | 1.23 |
| P-2906 | McMahan J-8 | -127.04 | 0.40 | 0.00 | 3.24 | 8.98 |
| P-2908 | 5047 Plant-A5 | 32.08 | 0.00 | 0.00 | 0.36 | 0.10 |
| P-2909 | 5668 5047 | -9.66 | 0.00 | 0.00 | 0.11 | 0.01 |
| P-2910 | McMahan 5035 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-2911 | McMahan-1 McMahan | -142.82 | 0.01 | 0.00 | 1.62 | 1.55 |
| P-2912 | McMahan-2 McMahan | -142.82 | 0.01 | 0.00 | 1.62 | 1.55 |
| P-2913 | Payne-1 5048 | 126.26 | 0.01 | 0.00 | 1.43 | 1.23 |
| P-2914 | 5048 PRV-1 | 15.00 | 0.01 | 0.00 | 0.17 | 0.02 |
| P-2915 | 5071 Tebo | 199.38 | 48.19 | 0.00 | 5.09 | 20.68 |
| P-2916 | 1232 J-29 | -85.13 | 0.76 | 0.00 | 0.97 | 0.59 |
| P-2917 | JimNetheryJimNethery | 391.86 | 0.20 | 0.00 | 4.45 | 10.04 |
| P-2918 | Tebo-1 J-29 | 42.56 | 0.00 | 0.00 | 0.48 | 0.16 |
| P-2919 | Tebo-2 J-29 | 42.56 | 0.00 | 0.00 | 0.48 | 0.16 |
| P-2920 | JimNethery 5394 | 391.86 | 0.20 | 0.00 | 4.45 | 10.04 |
| P-2921 | JimNethery 5394 | 391.86 | 0.20 | 0.00 | 4.45 | 10.04 |
| P-2922 | 5579 J-21 | 416.29 | 1.95 | 0.00 | 4.72 | 11.22 |
| P-2923 | King-1 5578 | 208.39 | 0.21 | 0.00 | 2.36 | 3.12 |
| P-2924 | King-2 5578 | 207.91 | 0.31 | 0.00 | 2.36 | 3.12 |
| P-2925 | 5462 Midlake | 516.44 | 0.50 | 0.00 | 5.86 | 16.73 |
| P-2926 | Midlake Midlake-2 | 262.08 | 0.23 | 0.00 | 2.97 | 4.76 |
| P-2927 | Midlake Midlake-1 | 262.05 | 0.23 | 0.00 | 2.97 | 4.76 |
| P-2928 | J-24 5415 | 786.29 | 0.84 | 0.00 | 8.92 | 36.45 |
| P-2929 | Midlake-2 J-24 | 262.08 | 0.24 | 0.00 | 2.97 | 4.76 |
| P-2930 | Midlake-1 J-24 | 262.05 | 0.25 | 0.00 | 2.97 | 4.76 |
| P-2931 | J-37 5506 | 491.25 | 0.09 | 0.00 | 3.14 | 3.76 |
| P-2931 | Hwy83-1 J-37 | 307.91 | 1.48 | 0.00 | 7.86 | 46.26 |
| P-2932 | Hwy83-2 J-37 | 303.34 | 1.21 | 0.00 | 7.74 | 44.99 |
| P-2934 | 5221 J-45 | -240.00 | 0.44 | 0.00 | 2.72 | 4.05 |
| P-2935 | J-44 WTHwy83-1 | 51.07 | 0.01 | 0.00 | 0.58 | 0.23 |
| | CrossRoad- J-45 | 143.75 | 0.01 | 0.00 | 3.67 | 11.28 |
| P-2936 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-2937 | Bron-Pump-Bronson-ES
CrossRoad- J-45 | 143.75 | 0.11 | 0.00 | 3.67 | 11.28 |
| P-2938 | | | 0.11 | 0.00 | 1.16 | 0.83 |
| P-2939 | | 102.16
51.07 | 0.00 | | 0.58 | 0.83 |
| P-2940 | - | | 0.01 | 0.00 | | |
| P-2941 | WTHyw83-2 J-53
5614WTMidlake- | 51.09 | | 0.00 | 0.58 | 0.23 |
| P-2942 | | 295.77
295.77 | 0.09 | 0.00 | 3.36 | 5.96 |
| P-2943 | WTMidlake- 5494
WTMidlake- 5494 | | 0.10 | | 3.36 | 5,96 |
| P-2944 | | 295.67 | 0.15 | 0.00 | | 5.96 |
| P-2945 | Hwy83 5585 | 425.00 | 0.04 | 0.00 | 1.74 | 0.97 |
| P-2946 | J-18Bron-Pump- | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-2947 | Bronson-ESBronPump-2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-2948 | J-69 5260 | 48.75 | 0.64 | 0.00 | 0.55 | 0.21 |
| P-2949 | Bronson-ES 5119 | 202.50 | 0.04 | 0.00 | 2.30 | 2.95 |
| P-2951 | 184-Pump-1 J-63 | 208.80 | 0.48 | 0.00 | 2.37 | 3.13 |
| P-2952 | Midlake Pump-1 | 262.16 | 0.22 | 0.00 | 2.97 | 4.77 |
| P-2953 | 184-Pump-2 T-1 | -208.76 | 0.53 | 0.00 | 2.37 | 3.13 |
| P-2954 | 5335 T-1 | 3516.18 | 35.62 | 0.00 | 39.90 | 583.94 |
| P-2955 | Pump-1 J-24 | 262.16 | 0.22 | 0.00 | 2.97 | 4.77 |
| P-2956 | 184-Pump-2 J-63 | 208.76 | 0.45 | 0.00 | 2.37 | 3.13 |
| P-2957 | WTHyw83-2 J-44 | -51.09 | 0.00 | 0.00 | 0.58 | 0.23 |
| P-367 | BronPump-2 J-18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-373 | J-3 1369 | 8.75 | 0.27 | 0.00 | 1.59 | 7.51 |
| P-520 | J-1 5360 | 5.00 | 0.23 | 0.00 | 0.51 | 0.66 |
| P-696 | J-11 McMahan-2 | -142.82 | 0.01 | 0.00 | 1.62 | 1.55 |
| P-763 | CrossRoad-CrossRoad~ | 143.75 | 0.11 | 0.00 | 3.67 | 11.28 |

| P-764 | CrossRoad-Cros | sRoad- | 143.75 | 0.11 | 0.00 | 3.67 | 11.28 |
|-------|----------------|--------|--------|------|------|------|-------|
| P-777 | 5218 | J-45 | -47.50 | 0.02 | 0.00 | 2.16 | 5.89 |
| P-87 | 5034 | J-8 | 127.04 | 2.24 | 0.00 | 3.24 | 8.98 |
| P-88 | 5609 | R-1 | -52.50 | 0.31 | 0.00 | 0.60 | 0.24 |

PUMP/LOSS ELEMENT RESULTS

| NAME | FLOWRATE | INLET
HEAD
(ft) | OUTLET
HEAD
(ft) | HEAD
CHANGE
(ft) | EFFIC-
ENCY
(%) | USEFUL
POWER
(Hp) | INCREMTL
COST
(\$) | TOTAL
COST
(\$) |
|----------------|-------------|-----------------------|------------------------|------------------------|-----------------------|-------------------------|--------------------------|-----------------------|
| 184-Pump-1 | 208.80 | 19.52 | 323.43 | 303.9 | | | | |
| 184 - Pump - 2 | | 19.47 | 323.40 | 303.9 | | | | |
| | Bron-Pump-1 | | i | | | | | |
| Device " | BronPump-2" | is closed | | | | | | |
| CrossRoad- | 143.75 | 19.89 | 190.25 | 170.4 | | | | |
| CrossRoad- | 143.75 | 19.89 | 190.25 | 170.4 | ~ | | | |
| Hwy83-1 | 307.91 | 80.38 | 265.50 | 185.1 | | | | |
| Hwy83-2 | 303.34 | 80.25 | 261.97 | 181.7 | | | | |
| PUMP Jim | Nethery- IS | OPERATING | OUT OF RAN | GE | | | | |
| JimNethery | 391.86 | 15.80 | 305.47 | 289.7 | | | | |
| PUMP Jim | Nethery- IS | OPERATING | OUT OF RAN | GE | | | | |
| JimNethery | 391.86 | 15.80 | 305.47 | 289.7 | | | | |
| King-1 | 208.39 | 52.23 | 245.13 | 192.9 | | | | |
| King-2 | 207.91 | 52.10 | 245.23 | 193.1 | | | | |
| McMahan-1 | 142.82 | 9.99 | 235.43 | 225.4 | | | | |
| McMahan-2 | 142.82 | 9.99 | 235.43 | 225.4 | | | | |
| Midlake-1 | 262.05 | 14.77 | 208.39 | 193.6 | | | | |
| Midlake-2 | 262.08 | 14.77 | 208.38 | 193.6 | | | | |
| Payne-1 | 126.26 | 80.41 | 266.69 | 186.3 | | | | |
| Payne-2 | 126.28 | 80.41 | 266.69 | 186.3 | | | | |
| Pump-1 | 262.16 | 14.78 | 208.36 | 193.6 | | | | |
| Tebo-1 | 42.56 | 22.99 | 244.99 | 222.0 | | | | |
| Tebo-2 | 42.56 | 22.99 | 244.99 | 222.0 | | | | |
| WTHwy83-1 | 51.07 | 9.94 | 208.65 | 198.7 | | | | |
| WTHyw83-2 | 51.09 | 9.95 | 208.65 | 198.7 | | | | |
| WTMidlake- | 295.67 | 9.25 | 132.33 | 123.1 | | | | |
| WTMidlake- | 295.77 | 9.27 | 132.28 | 123.0 | | | | |

END NODE RESULTS

| NODE
NAME | NODE
TITLE | (gpm) | HYDRAULIC
GRADE
(ft) | ELEVATION (ft) | HEAD
(ft) | PRESSURE
(psi) |
|--------------|---------------|----------|----------------------------|----------------|--------------|-------------------|
| 2 | | 1.25(1.3 | 25) 374.43 | 190.00 | 184.43 | 79.92 |
| 4 | | 1.25(1.2 | 25) 436.64 | 360.00 | 76.64 | 33,21 |
| 5 | | 1.25(1.2 | 25) 349.05 | 220.00 | 129.05 | 55.92 |
| 6 | | 1.25(1. | 25) 482.41 | 190.00 | 292.41 | 126.71 |
| 7 | | 1.25(1.2 | 25) 455.96 | 330.00 | 125.96 | 54.58 |
| 9 | | 1.25(1.3 | 25) 348.76 | 250.00 | 98.76 | 42.79 |
| 10 | | 1.25(1.2 | 25) 376.27 | 330.00 | 46.27 | 20.05 |
| 12 | | 1.25(1.2 | 25) 387.28 | 185.00 | 202.28 | 87.66 |
| 13 | | 1.25(1.3 | 25) 399.26 | 200.00 | 199.26 | 86.35 |
| 14 | | 1.25(1. | 25) 444.90 | 300.00 | 144.90 | 62.79 |
| 15 | | 1.25(1. | 25) 400.37 | 230.00 | 170.37 | 73.83 |
| 16 | | 1.25(1.3 | 25) 405.27 | 200.00 | 205.27 | 88.95 |
| 17 | | 1.25(1.2 | 25) 400.57 | 215.00 | 185.57 | 80.41 |
| 19 | | 1.25(1.3 | 25) 407.45 | 210.00 | 197.45 | 85. 56 |
| 20 | | 1.25(1. | 25) 387.43 | 190.00 | 197.43 | 85.55 |
| 23 | | 1.25(1.3 | 25) 400.09 | 230.00 | 170.09 | 73.70 |
| . 25 | | 1.25(1.3 | 25) 354.08 | 290.00 | 64.08 | 27.77 |
| 26 | | 1.25(1. | 25) 454.11 | 290.00 | 164.11 | 71.12 |
| 27 | | 1.25(1. | 25) 561.87 | 280.00 | 281.87 | 122.14 |
| 28 | | 1.25(1.2 | 25) 389.62 | 290.00 | 99.62 | 43.17 |

| | 1 05 (4 05) | | | | |
|------------|--------------------------|--------|--------|--------|--------|
| 30 | 1.25(1.25) | 388.40 | 200.00 | 188.40 | 81.64 |
| 31 | 1.25(1.25) | 387.41 | 190.00 | 197.41 | 85.54 |
| | | | | | |
| 32 | 1.25(1.25) | | 310.00 | 178.80 | 77.48 |
| 33 | 1.25(1.25) | 538.21 | 330.00 | 208.21 | 90.22 |
| | 1 35/1 35) | 206 46 | | | |
| 35 | 1.25(1.25) | | 200.00 | 106.46 | 46.13 |
| 36 | 1.25(1.25) | 454.16 | 290.00 | 164.16 | 71.13 |
| 38 | 1.25(1.25) | 387 64 | 190.00 | 197.64 | 85.64 |
| | | | | | 05.04 |
| 39 | 1.25(1.25) | 363.52 | 230.00 | 133.52 | 57.86 |
| 40 | 1.25(1.25) | 328.03 | 190.00 | 138.03 | |
| | | | | | 59.81 |
| 41 | 1.25(1.25) | 389.80 | 195.00 | 194.80 | 84.41 |
| 42 | 1.25(1.25) | 312.47 | 220.00 | 92.47 | 40.07 |
| | | | | | |
| 43 | 1.25(1.25) | 371.70 | 185.00 | 186.70 | 80.90 |
| 46 | 1.25(1.25) | 388.12 | 185.00 | 203.12 | 88.02 |
| | | | | | |
| 47 | 1.25(1.25) | 373.69 | 190.00 | 183.69 | 79.60 |
| 48 | 1.25(1.25) | 540.30 | 480.00 | 60.30 | 26.13 |
| | | | | | |
| 49 | 1.25(1.25) | 387.37 | 185.00 | 202.37 | 87.69 |
| 50 | 1.25(1.25) | 584.48 | 425.00 | 159.48 | 69.11 |
| | | | | | |
| 51 | 1.25(1.25) | 349.92 | 230.00 | 119.92 | 51.96 |
| 54 | 1.25(1.25) | 492.34 | 315.00 | 177.34 | 76.85 |
| | | | | | |
| 55 | 1.25(1.25) | 538.73 | 350.00 | 188.73 | 81.78 |
| 56 | 1.25(1.25) | 407.45 | 210.00 | 197.45 | 85.56 |
| | | | | | |
| 57 | 1.25(1.25) | 207.61 | 390.00 | 117.61 | 50.96 |
| 58 | 1.25(1.25) | 387.04 | 185.00 | 202.04 | 87.55 |
| | | | | | |
| 60 | 1.25(1.25) | 616.79 | 300.00 | 316.79 | 137.28 |
| 61 | 1.25(1.25) | 410.90 | 220.00 | 190.90 | 82.72 |
| | | | | | |
| 62 | 1.25(1.25) | 5/2.64 | 410.00 | 162.64 | 70.48 |
| 64 | 1.25(1.25) | 505.14 | 270.00 | 235.14 | 101.89 |
| | | | | | |
| 65 | 1.25(1.25) | | 210.00 | 189.78 | 82.24 |
| 66 | 1.25(1.25) | 475.69 | 330.00 | 145.69 | 63.13 |
| 67 | 1.25(1.25) | 385.98 | 185.00 | | |
| | | | | 200.98 | 87.09 |
| 68 | 1.25(1.25) | 565.68 | 240.00 | 325.68 | 141.13 |
| 70 | 1.25(1.25) | 570 06 | 390.00 | 180.06 | 78.03 |
| | | | | | |
| 71 | 1.25(1.25) | 570.32 | 420.00 | 150.32 | 65.14 |
| 72 | 1.25(1.25) | 373.42 | 180.00 | 193.42 | 83.81 |
| | | | | | |
| 7 3 | 1.25(1.25) | 400.51 | 215.00 | 185.51 | 80.39 |
| 74 | 1.25(1.25) | 570.14 | 400.00 | 170.14 | 73.73 |
| | | | | | |
| 75 | 1.25(1.25) | 410.90 | 220.00 | 190.90 | 82.72 |
| 77 | 1.25(1.25) | 338.19 | 200.00 | 138.19 | 59.88 |
| | | | | | |
| 79 | 1.25(1.25) | 3/8.01 | 320.00 | 58.01 | 25.14 |
| 80 | 1.25(1.25) | 619.41 | 340.00 | 279.41 | 121.08 |
| | | | | | |
| 81 | 1.25(1.25) | 433.6/ | 265.00 | 168.67 | 73.09 |
| 82 | 1.25(1.25) | 400.51 | 215.00 | 185.51 | 80.39 |
| | | | | | |
| 83 | 1.25(1.25) | | 200.00 | 187.82 | 81.39 |
| 84 | 1.25(1.25) | 410.90 | 210.00 | 200.90 | 87.06 |
| 86 | 1.25(1.25) | | 210.00 | 178.12 | 77.18 |
| | | | | | |
| 88 | 1.25(1.25) | 481.61 | 185.00 | 296.61 | 128.53 |
| 89 | 1.25(1.25) | 379 99 | 280.00 | 99.99 | 43.33 |
| | | | | | |
| 90 | 1.25(1.25) | 387.60 | 210.00 | 177.60 | 76.96 |
| 91 | 1.25(1.25) | 387.19 | 190.00 | 197.19 | 85.45 |
| | | | | | |
| 92 | 1.25(1.25) | | 185.00 | 196.86 | 85.31 |
| 93 | 1.25(1.25) | 387.65 | 190.00 | 197.65 | 85.65 |
| 94 | 1.25(1.25) | | 250.00 | | |
| | | | | 180.60 | 78.26 |
| 96 | 1.25(1.25) | 383.47 | 320.00 | 63.47 | 27.51 |
| 98 | 1.25(1.25) | | 260.00 | 294.28 | 127.52 |
| | | | | | |
| 100 | 1.25(1.25) | 384.98 | 185.00 | 199.98 | 86.66 |
| 101 | 1.25(1.25) | 386.48 | 185.00 | 201.48 | 87.31 |
| | | | | | |
| 102 | 1.25(1.25) | | 200.00 | 199.93 | 86.64 |
| 106 | 1.25(1.25) | 563.21 | 350.00 | 213.21 | 92.39 |
| | | | | | |
| 107 | 1.25(1.25) | 563.24 | 350.00 | 213.24 | 92.40 |
| 108 | 1.25(1.25) | 369.05 | 240.00 | 129.05 | 55.92 |
| | 1.25(1.25) | | 180.00 | 210.93 | |
| 109 | | | | | 91.40 |
| 110 | 1.25(1.25) | 386.22 | 230.00 | 156.22 | 67.70 |
| | 1.25(1.25) | | 370.00 | 201.96 | |
| 111 | | | | | 87.52 |
| 112 | 1.25(1.25) | 459.43 | 270.00 | 189.43 | 82.08 |
| 113 | 1.25(1.25) | | 220.00 | 91.83 | 39.79 |
| | | | | | |
| 115 | 1.25(1.25) | 310.04 | 210.00 | 100.04 | 43.35 |
| 116 | 1.25(1.25) | 387.06 | 185.00 | 202.06 | 87.56 |
| | | | | | |
| 117 | 1.25(1.25) | 387.09 | 185.00 | 202.09 | 87.57 |
| 120 | | | | | |
| | | 414.48 | 230.00 | 184.48 | 79.94 |
| | 1.25(1.25) | | 230.00 | 184.48 | 79.94 |
| 121 | 1.25(1.25)
1.25(1.25) | 389.15 | 260.00 | 129.15 | 55.97 |
| | 1.25(1.25) | 389.15 | | | |

| 124 | 1.25(1.25) | 338 92 | 210.00 | 128.92 | 55.87 |
|-----|-------------|--------|--------|--------|----------------|
| | | | | | |
| 125 | 1.25(1.25) | 493.63 | 360.00 | 133.63 | 57.91 |
| 126 | 1.25(1.25) | 327.34 | 210.00 | 117.34 | 50.85 |
| 127 | 1.25(1.25) | | 230.00 | | |
| | | _ | | 144.70 | 62.70 |
| 130 | 1.25(1.25) | 565.54 | 320.00 | 245.54 | 106.40 |
| 131 | 1.25(1.25) | 384 64 | 185.00 | 199.64 | 86.51 |
| | | | | | |
| 132 | 1.25(1.25) | 328.03 | 190.00 | 138.03 | 59.81 |
| 133 | 1.25(1.25) | 569.91 | 430.00 | 139.91 | 60.63 |
| | | | | | |
| 134 | 1.25(1.25) | | 180.00 | 211.01 | 91.44 |
| 136 | 1.25(1.25) | 508.65 | 310.00 | 198.65 | 86.08 |
| 137 | 1.25(1.25) | 583 00 | 340.00 | 243.00 | 105.30 |
| | | | | | |
| 139 | 1.25(1.25) | 389.13 | 210.00 | 179.13 | 77.63 |
| 140 | 1.25(1.25) | 331.78 | 190.00 | 141.78 | 61.44 |
| | | | | | |
| 141 | 1.25(1.25) | | 185.00 | 199.19 | 86.31 |
| 142 | 1.25(1.25) | 387.59 | 200.00 | 187.59 | 81.29 |
| 143 | 1.25(1.25) | 401 00 | 235.00 | 166.00 | 71.93 |
| | | | | | |
| 144 | 1.25(1.25) | 566.26 | 330.00 | 236.26 | 102.38 |
| 145 | 1.25(1.25) | 566.21 | 230.00 | 336.21 | 145.69 |
| 147 | 1.25(1.25) | 560 10 | 230.00 | 339.19 | |
| | | | | | 146.98 |
| 148 | 1.25(1.25) | 388.09 | 230.00 | 158.09 | 68.51 |
| 150 | 1.25(1.25) | 573.44 | 400.00 | 173.44 | 75.16 |
| | | | | | |
| 151 | 1.25(1.25) | | 210.00 | 174.05 | 75.42 |
| 153 | 1.25(1.25) | 387.71 | 210.00 | 177.71 | 77.01 |
| 154 | 1.25(1.25) | 484 55 | 300.00 | 184.55 | 79.97 |
| | | | | | |
| 155 | 1.25(1.25) | 457.35 | 320.00 | 137.35 | 59.52 |
| 156 | 1.25(1.25) | 530.99 | 360.00 | 170.99 | 74.09 |
| | | | | | 80.60 |
| 157 | 1.25(1.25) | | 300.00 | 186.01 | |
| 159 | 1.25(1.25) | 554.31 | 240.00 | 314.31 | 136.20 |
| 160 | 1.25(1.25) | 405.10 | 210.00 | 195.10 | 84.54 |
| | | | | | |
| 161 | 1.25(1.25) | 407.99 | 220.00 | 187.99 | 81.46 |
| 162 | 1.25(1.25) | 389.58 | 310.00 | 79.58 | 34.48 |
| 163 | 1.25(1.25) | | 210.00 | 177.75 | 77.03 |
| | | | | | |
| 164 | 1.25(1.25) | 482.96 | 190.00 | 292.96 | 126.95 |
| 167 | 1.25(1.25) | 532.26 | 310.00 | 222.26 | 96.31 |
| | | | | | |
| 168 | 1.25(1.25) | | 190.00 | 197.19 | 85.45 |
| 169 | 1.25(1.25) | 487.62 | 310.00 | 177.62 | 76.9 7 |
| 171 | 1.25(1.25) | 480 66 | 190.00 | 290.66 | 125.95 |
| | | | | | |
| 172 | 1.25(1.25) | 482.39 | 185.00 | 297.39 | 128.87 |
| 173 | 1.25(1.25) | 387.78 | 185.00 | 202.78 | 87.87 |
| 174 | 1.25(1.25) | | 410.00 | 162.61 | 70.46 |
| | | | | | |
| 175 | 1.25(1.25) | 481.32 | 185.00 | 296.32 | 128.41 |
| 176 | 1.25(1.25) | 375.36 | 210.00 | 165.36 | 71.66 |
| | | | | | |
| 178 | 1.25(1.25) | | 230.00 | 156.28 | 67. 7 2 |
| 179 | 1.25(1.25) | 365.41 | 250.00 | 115.41 | 50.01 |
| 180 | 1.25(1.25) | 475.76 | 320.00 | 155.76 | 67.49 |
| | | | | | |
| 181 | 1.25(1.25) | | 250.00 | 304.18 | 131.81 |
| 182 | 1.25(1.25) | 400.15 | 205.00 | 195.15 | 84.57 |
| 185 | 1.25(1.25) | 474 19 | 280.00 | 194.19 | 84.15 |
| | | | | | |
| 186 | | 323.99 | 190.00 | 133.99 | 58.06 |
| 187 | 1.25(1.25) | 510.27 | 390.00 | 120.27 | 52.12 |
| | | | | | |
| | 1 05 (1 05) | 262 22 | 262 22 | 100 00 | |
| 188 | 1.25(1.25) | | 260.00 | 102.07 | 44.23 |
| 189 | 1.25(1.25) | 499.00 | 320.00 | 179.00 | 77.57 |
| 191 | 1.25(1.25) | | 250.00 | 315.34 | 136.65 |
| | | | | | |
| 193 | 1.25(1.25) | 481.67 | 185.00 | 296.67 | 128.56 |
| 194 | 1.25(1.25) | 626.00 | 460.00 | 166.00 | 71.94 |
| | 1.25(1.25) | | 270.00 | 75.32 | 32.64 |
| 195 | | | | | |
| 196 | 1.25(1.25) | 399.43 | 190.00 | 209.43 | 90.75 |
| 197 | 1.25(1.25) | 309.68 | 220.00 | 89.68 | 38.86 |
| | | | | | |
| 198 | 1.25(1.25) | | 210.00 | 174.16 | 75.47 |
| 199 | 1.25(1.25) | 484.73 | 200.00 | 284.73 | 123.38 |
| 200 | 1.25(1.25) | 369.29 | 180.00 | 189.29 | 82.02 |
| | | | | | |
| 201 | 1.25(1.25) | | 330.00 | 290.81 | 126.02 |
| 202 | 1.25(1.25) | 421.89 | 270.00 | 151.89 | 65.82 |
| 203 | 1.25(1.25) | | 210.00 | 197.11 | 85.41 |
| | | | | | |
| 204 | 1.25(1.25) | 356.45 | 270.00 | 86.45 | 37.46 |
| 206 | 1.25(1.25) | 461.61 | 300.00 | 161.61 | 70.03 |
| | 1.25(1.25) | | 370.00 | 137.33 | 59.51 |
| 208 | | | | | |
| 209 | 1.25(1.25) | 381.64 | 185.00 | 196.64 | 85.21 |
| 210 | 1.25(1.25) | 361.28 | 190.00 | 171.28 | 74.22 |
| | | | | | |
| 212 | 1.25(1.25) | 482.24 | 190.00 | 292.24 | 126.64 |
| | | | | | |

| 213 | 1.25(1.25) | 405.32 | 190.00 | 215.32 | 93.30 |
|------------|--|----------------------------|------------------|------------------|-------------------------|
| | | | | | |
| 215 | 1.25(1.25) | 554.27 | 264.00 | 290.27 | 125.79 |
| | 1 25 (1 25) | 245 25 | | | |
| 216 | 1.25(1.25) | 345.15 | 260.00 | 85.15 | 36.90 |
| 217 | 1.25(1.25) | 387.22 | 185.00 | 202.22 | 87.63 |
| | | | | | |
| 218 | 1.25(1.25) | 524.79 | 360.00 | 164.79 | 71.41 |
| 219 | 1.25(1.25) | 400 48 | 205.00 | 105 40 | 84.71 |
| | | | | 195.48 | |
| 220 | 1.25(1.25) | 387.08 | 185.00 | 202.08 | 87.57 |
| | | | | | |
| 221 | 1.25(1.25) | 400.09 | 230.00 | 170.09 | 73.71 |
| 223 | 1.25(1.25) | 474 11 | 350.00 | 124.11 | 53.78 |
| | | | | | |
| 224 | 1.25(1.25) | 461.22 | 275.00 | 186.22 | 80.70 |
| | | | | | |
| 225 | 1.25(1.25) | 5/4.3/ | 310.00 | 264.37 | 114.56 |
| 226 | 1.25(1.25) | 473.69 | 370.00 | 103.69 | 44.93 |
| | | | | | |
| 227 | 1.25(1.25) | 385.45 | 185.00 | 200.45 | 86.86 |
| 228 | 1.25(1.25) | 570 32 | 310.00 | 260.32 | 112.80 |
| | | | | | |
| 229 | 1.25(1.25) | 405.44 | 190.00 | 215.44 | 93.36 |
| 220 | 1.25(1.25) | C12 E0 | | | |
| 230 | 1.25(1.25) | 013.33 | 270.00 | 343.59 | 148.89 |
| 231 | 1.25(1.25) | 318.48 | 190.00 | 128.48 | 55.67 |
| | | | | | |
| 232 | 1.25(1.25) | 357.38 | 250.00 | 107.38 | 46.53 |
| 233 | 1.25(1.25) | 223 58 | 190.00 | 143.58 | 62.22 |
| | | | | | |
| 234 | 1.25(1.25) | 427.17 | 250.00 | 177.17 | 76.77 |
| | | | | | |
| 235 | 1.25(1.25) | | 240.00 | 72.63 | 31.47 |
| 236 | 1.25(1.25) | 326.08 | 210.00 | 116.08 | 50.30 |
| | | | | | |
| 237 | 1.25(1.25) | 4/1.45 | 360.00 | 111.45 | 48.29 |
| 238 | 1.25(1.25) | | | 91.09 | 39.47 |
| | | | 440.00 | | |
| 240 | 1.25(1.25) | 425.74 | 260.00 | 165.74 | 71.82 |
| | | | | | |
| 241 | 1.25(1.25) | 344.31 | 190.00 | 134.31 | 58.20 |
| 248 | 1.25(1.25) | 619.49 | 340.00 | 279.49 | 121.11 |
| | | | | | |
| 249 | 1.25(1.25) | 476.59 | 320.00 | 156.59 | 67.86 |
| 250 | 1.25(1.25) | 477 74 | 320.00 | 157.74 | 68.35 |
| | | | | | |
| 251 | 1.25(1.25) | 382.56 | 185.00 | 197.56 | 85.61 |
| | | | 320.00 | | |
| 252 | 1.25(1.25) | | 340.00 | 247.48 | 107.24 |
| 253 | 1.25(1.25) | 381.28 | 210.00 | 171.28 | 74.22 |
| | | | | | |
| 254 | 1.25(1.25) | 368.00 | 180.00 | 188.00 | 81.46 |
| 255 | 1.25(1.25) | 405.30 | 190.00 | 215.30 | 93.30 |
| | | | | | |
| 256 | 1.25(1.25) | 335.22 | 200.00 | 135.22 | 58.60 |
| 258 | 1.25(1.25) | 415 02 | 300.00 | 115.02 | 49.84 |
| | | | | | |
| 259 | 1.25(1.25) | 405.66 | 190.00 | 215.66 | 93.45 |
| | 1.25(1.25) | | | | |
| 260 | | | 310.00 | 221.08 | 95.80 |
| 262 | 1.25(1.25) | 387.44 | 190.00 | 197.44 | 85.56 |
| | | | | | |
| 263 | 1.25(1.25) | 389./3 | 330.00 | 59.73 | 25.88 |
| 264 | 1.25(1.25) | 367.34 | 190.00 | 177.34 | 76.85 |
| | | | | | |
| 265 | 1.25(1.25) | 405.14 | 220.00 | 185.14 | 80.23 |
| 266 | 1.25(1.25) | 287 / 0 | 185.00 | 196.49 | 85.15 |
| | | | | 190.49 | |
| 267 | 1.25(1.25) | 434.64 | 260.00 | 174.64 | 75.68 |
| | 1 25/1 25) | 40E 72 | 210.00 | | |
| 268 | 1.25(1.25) | 405.73 | 210.00 | 195.73 | 84.82 |
| 269 | 1.25(1.25) | 389.14 | 190.00 | 199.14 | 86.29 |
| | | | | | |
| 270 | 1.25(1.25) | 389.22 | 190.00 | 199.22 | 86.33 |
| 271 | 1.25(1.25) | 530.65 | 330.00 | 200.65 | 86.95 |
| | | | | | |
| 272 | 1.25(1.25) | 391.01 | 180.00 | 211.01 | 91.44 |
| 276 | 1.25(1.25) | 399.97 | 200.00 | 199.97 | 86.65 |
| | | | | | |
| 279 | 1.25(1.25) | 386.76 | 185.00 | 201.76 | 87.43 |
| 280 | 1.25(1.25) | 399.50 | 200.00 | 199.50 | 86.45 |
| | | | | | |
| 281 | 1.25(1.25) | 365.38 | 230.00 | 135.38 | 58.66 |
| | | | | | |
| 282 | 1.25(1.25) | | 185.00 | 196.62 | 85.20 |
| 283 | 1.25(1.25) | 481.57 | 185.00 | 296.57 | 128.51 |
| | | | | | |
| 284 | 1.25(1.25) | 408.67 | 200.00 | 208.67 | 90.43 |
| 286 | 1.25(1.25) | 407.99 | 220.00 | 187.99 | 81.46 |
| | | | | | |
| 288 | 1.25(1.25) | 327.98 | 190.00 | 137.98 | 59.79 |
| | 1.25(1.25) | | 215.00 | | |
| 289 | | | | 185.49 | 80.38 |
| 290 | 1.25(1.25) | 327.97 | 190.00 | 137.97 | 59.79 |
| | | | | | |
| 291 | 1.25(1.25) | 385.77 | 185.00 | 200.77 | 87.00 |
| 292 | 1.25(1.25) | 389.75 | 190.00 | 199.75 | 86.56 |
| | | | | | |
| 293 | 1.25(1.25) | | 190.00 | 215.62 | 93.43 |
| 294 | 1.25(1.25) | 428.66 | 270.00 | 158.66 | 68.75 |
| | | | | | |
| 297 | 1.25(1.25) | 388.08 | 200.00 | 188.08 | 81.50 |
| 298 | 1.25(1.25) | 400.07 | 220.00 | 180.07 | 78.03 |
| | 4.40(4.40) | | | | |
| | | | 205.00 | 183.20 | 79.39 |
| 300 | 1.25(1.25) | 388.20 | 203.00 | | |
| | 1.25(1.25) | | | | |
| 300
302 | 1.25(1.25)
1.25(1.25) | 540.87 | 320.00 | 220.87 | 95.71 |
| 302 | 1.25(1.25) | 540.87 | 320.00 | 220.87 | 95.71 |
| 302
303 | 1.25(1.25)
1.25(1.25)
1.25(1.25) | 540.87
407.33 | 320.00
200.00 | 220.87
207.33 | 95.7 1
89.84 |
| 302 | 1.25(1.25)
1.25(1.25) | 540.87
407.33 | 320.00 | 220.87 | 95.71
89.84
27.77 |
| 302
303 | 1.25(1.25)
1.25(1.25)
1.25(1.25) | 540.87
407.33
354.08 | 320.00
200.00 | 220.87
207.33 | 95.7 1
89.84 |

| 306 | 1.25(1.25) | 471.87 | 310.00 | 161.87 | 70.14 |
|-----|------------|--------|--------|--------|--------|
| 307 | 1.25(1.25) | | 190.00 | 191.66 | 83.05 |
| | | | | | |
| 308 | 1.25(1.25) | | 220.00 | 155.95 | 67.58 |
| 309 | 1.25(1.25) | 424.28 | 240.00 | 184.28 | 79.86 |
| 310 | 1.25(1.25) | 424.97 | 240.00 | 184.97 | 80.16 |
| 311 | 1.25(1.25) | 407.00 | 200.00 | 207.00 | 89.70 |
| 312 | 1.25(1.25) | | 240.00 | 184.31 | 79.87 |
| | | | | | |
| 313 | 1.25(1.25) | | 340.00 | 186.46 | 80.80 |
| 315 | 1.25(1.25) | 473.57 | 260.00 | 213.57 | 92.55 |
| 320 | 1.25(1.25) | 410.24 | 240.00 | 170.24 | 73.77 |
| 321 | 1.25(1.25) | 347.07 | 250.00 | 97.07 | 42.07 |
| 322 | 1.25(1.25) | | 195.00 | 287.39 | 124.53 |
| | | | | | |
| 324 | 1.25(1.25) | | 200.00 | 207.33 | 89.84 |
| 326 | 1.25(1.25) | 562.62 | 360.00 | 202.62 | 87.80 |
| 327 | 1.25(1.25) | 480.57 | 300.00 | 180.57 | 78.25 |
| 328 | 1.25(1.25) | 387.66 | 185.00 | 202.66 | 87.82 |
| 329 | 1.25(1.25) | | 320.00 | 157.75 | 68.36 |
| | | | | | |
| 330 | 1.25(1.25) | | 310.00 | 103.69 | 44.93 |
| 332 | 1.25(1.25) | 435.36 | 220.00 | 215.36 | 93.32 |
| 333 | 1.25(1.25) | 505.14 | 270.00 | 235.14 | 101.89 |
| 335 | 1.25(1.25) | 354.76 | 285.00 | 69.76 | 30.23 |
| 336 | 1.25(1.25) | 319.71 | 190.00 | 129.71 | 56.21 |
| 337 | 1.25(1.25) | | 200.00 | | |
| | , , | | | 205.19 | 88.91 |
| 338 | 1.25(1.25) | | 310.00 | 265.28 | 114.96 |
| 339 | 1.25(1.25) | 466.71 | 285.00 | 181.71 | 78.74 |
| 340 | 1.25(1.25) | 518.63 | 290.00 | 228.63 | 99.07 |
| 341 | 1.25(1.25) | 573.20 | 310.00 | 263.20 | 114.05 |
| 342 | 1.25(1.25) | | 280.00 | 280.55 | 121.57 |
| | | | | | |
| 343 | 1.25(1.25) | | 290.00 | 228.63 | 99.07 |
| 344 | 1.25(1.25) | 407.35 | 200.00 | 207.35 | 89.85 |
| 345 | 1.25(1.25) | 573.96 | 320.00 | 253.96 | 110.05 |
| 347 | 1.25(1.25) | 560.80 | 410.00 | 150.80 | 65.35 |
| 348 | 1.25(1.25) | 539.09 | 340.00 | 199.09 | 86.27 |
| 349 | 1.25(1.25) | | 280.00 | 151.67 | 65.72 |
| | | | | | |
| 352 | 1.25(1.25) | | 190.00 | 198.11 | 85.85 |
| 354 | 1.25(1.25) | | 185.00 | 196.59 | 85.19 |
| 355 | 1.25(1.25) | 363.43 | 230.00 | 133.43 | 57.82 |
| 356 | 1.25(1.25) | 564.18 | 290.00 | 274.18 | 118.81 |
| 357 | 1.25(1.25) | 570.32 | 430.00 | 140.32 | 60.81 |
| 358 | 1.25(1.25) | | 200.00 | 150.78 | 65.34 |
| | | | | | |
| 359 | 1.25(1.25) | | 300.00 | 86.08 | 37.30 |
| 361 | 1.25(1.25) | 382.07 | 290.00 | 92.07 | 39.90 |
| 363 | 1.25(1.25) | 562.05 | 345.00 | 217.05 | 94.06 |
| 365 | 1.25(1.25) | 567.81 | 310.00 | 257.81 | 111.72 |
| 368 | 1.25(1.25) | 334.58 | 185.00 | 149.58 | 64.82 |
| 369 | 1.25(1.25) | | 360.00 | 111.41 | 48.28 |
| | | | | | |
| 370 | 1.25(1.25) | | 185.00 | 197.32 | 85.51 |
| 372 | 1.25(1.25) | | 230.00 | 170.37 | 73.83 |
| 373 | 1.25(1.25) | 318.08 | 190.00 | 128.08 | 55.50 |
| 374 | 1.25(1.25) | 457.75 | 340.00 | 117.75 | 51.02 |
| 375 | 1.25(1.25) | 409.24 | 220.00 | 189.24 | 82.00 |
| | 1.25(1.25) | | | 178.95 | |
| 377 | | | 310.00 | | 77.54 |
| 378 | 1.25(1.25) | | 385.00 | 125.27 | 54.28 |
| 379 | 1.25(1.25) | 509.19 | 360.00 | 149.19 | 64.65 |
| 380 | 1.25(1.25) | 386.20 | 300.00 | 86.20 | 37.35 |
| 383 | 1.25(1.25) | 333.79 | 190.00 | 143.79 | 62.31 |
| 388 | 1.25(1.25) | | 300.00 | 171.98 | 74.52 |
| | | | | | |
| 389 | 1.25(1.25) | | 185.00 | 202.14 | 87.59 |
| 390 | 1.25(1.25) | | 200.00 | 187.76 | 81.36 |
| 391 | 1.25(1.25) | 387.03 | 185.00 | 202.03 | 87.55 |
| 394 | 1.25(1.25) | 564.69 | 320.00 | 244.69 | 106.03 |
| 396 | 1.25(1.25) | | 300.00 | 220.06 | 95.36 |
| | 1.25(1.25) | | 340.00 | | 101.29 |
| 397 | | | | 233.75 | |
| 398 | 1.25(1.25) | | 325.00 | 173.22 | 75.06 |
| 404 | 1.25(1.25) | 624.92 | 530.00 | 94.92 | 41.13 |
| 405 | 1.25(1.25) | 312.36 | 220.00 | 92.36 | 40.02 |
| 406 | 1.25(1.25) | | 275.00 | 156.46 | 67.80 |
| 407 | 1.25(1.25) | | 250.00 | 131.13 | 56.82 |
| | 1.25(1.25) | | | | |
| 408 | | | 285.00 | 277.11 | 120.08 |
| 409 | 1.25(1.25) | | 340.00 | 233.80 | 101.31 |
| 410 | 1.25(1.25) | 453.15 | 230.00 | 223.15 | 96.70 |
| | | | | | |

| 412 | 1.25(1.25) | 500.39 | 340.00 | 160.39 | 69.50 |
|-----|------------|--------|--------|--------|--------|
| 414 | 1.25(1.25) | | 440.00 | 126.07 | 54.63 |
| 415 | 1.25(1.25) | | 185.00 | 203.45 | 88.16 |
| 416 | 1.25(1.25) | | 200.00 | 187.66 | 81.32 |
| 417 | 1.25(1.25) | | | | |
| | | | 185.00 | 203.15 | 88.03 |
| 418 | 1.25(1.25) | | 190.00 | 198.75 | 86.13 |
| 419 | 1.25(1.25) | | 210.00 | 189.78 | 82.24 |
| 423 | 1.25(1.25) | | 420.00 | 150.05 | 65.02 |
| 426 | 1.25(1.25) | 508.24 | 360.00 | 148.24 | 64.24 |
| 428 | 1.25(1.25) | 475.60 | 260.00 | 215.60 | 93.43 |
| 430 | 1.25(1.25) | 388.13 | 231.00 | 157.13 | 68.09 |
| 432 | 1.25(1.25) | 471.88 | 310.00 | 161.88 | 70.15 |
| 433 | 1.25(1.25) | | 190.00 | 141.09 | 61.14 |
| 434 | 1.25(1.25) | | 335.00 | 90.41 | 39.18 |
| 435 | 1.25(1.25) | | 375.00 | 135.96 | |
| | | | | | 58.92 |
| 436 | 1.25(1.25) | | 220.00 | 168.41 | 72.98 |
| 438 | 1.25(1.25) | | 220.00 | 91.72 | 39.74 |
| 439 | 1.25(1.25) | | 330.00 | 169.77 | 73.57 |
| 441 | 1.25(1.25) | 481.29 | 185.00 | 296.29 | 128.39 |
| 443 | 1.25(1.25) | 625.99 | 470.00 | 155.99 | 67.60 |
| 444 | 1.25(1.25) | 571.72 | 390.00 | 181.72 | 78.75 |
| 447 | 1.25(1.25) | | | 185.58 | 80.42 |
| 450 | 1.25(1.25) | | 360.00 | 171.78 | 74.44 |
| 452 | 1.25(1.25) | | 325.00 | 178.20 | |
| | | | | | 77.22 |
| 454 | 1.25(1.25) | | 340.00 | 160.19 | 69.42 |
| 455 | 1.25(1.25) | | 330.00 | 174.66 | 75.69 |
| 457 | 1.25(1.25) | | 190.00 | 197.73 | 85.68 |
| 460 | 1.25(1.25) | 359.22 | 295.00 | 64.22 | 27.83 |
| 461 | 1.25(1.25) | 359.24 | 295.00 | 64.24 | 27.84 |
| 462 | 1.25(1.25) | 521.22 | 290.00 | 231.22 | 100.19 |
| 464 | 1.25(1.25) | 389.71 | 190.00 | 199.71 | 86.54 |
| 465 | 1.25(1.25) | | 360.00 | 146.28 | 63.39 |
| 466 | 1.25(1.25) | | 330.00 | 236.25 | 102.38 |
| 468 | 1.25(1.25) | | 460.00 | 168.73 | 73.12 |
| | | | | | |
| 471 | 1.25(1.25) | | 185.00 | 296.61 | 128.53 |
| 472 | 1.25(1.25) | | 445.00 | 201.46 | 87.30 |
| 473 | 1.25(1.25) | | 390.00 | 201.89 | 87.49 |
| 474 | 1.25(1.25) | | 400.00 | 36.44 | 15.79 |
| 475 | 1.25(1.25) | 442.71 | 250.00 | 192.71 | 83.51 |
| 476 | 1.25(1.25) | 457.17 | 270.00 | 187.17 | 81.11 |
| 478 | 1.25(1.25) | 366.52 | 180.00 | 186.52 | 80.83 |
| 479 | 1.25(1.25) | 327.97 | 190.00 | 137.97 | 59.79 |
| 480 | 1.25(1.25) | 592.69 | 400.00 | 192.69 | 83.50 |
| 481 | 1.25(1.25) | | 210.00 | 128.55 | 55.70 |
| 482 | 1.25(1.25) | | 180.00 | 212.53 | 92.10 |
| 483 | 1.25(1.25) | | 240.00 | 160.26 | 69.45 |
| | | | | | |
| 484 | 1.25(1.25) | | 185.00 | 198.66 | 86.09 |
| 485 | 1.25(1.25) | | 295.00 | 64.25 | 27.84 |
| 487 | 1.25(1.25) | | 300.00 | 188.78 | |
| 489 | 1.25(1.25) | | 190.00 | 197.43 | 85.55 |
| 490 | 1.25(1.25) | 405.09 | 200.00 | 205.09 | 88.87 |
| 491 | 1.25(1.25) | 578.89 | 430.00 | 148.89 | 64.52 |
| 492 | 1.25(1.25) | 616.98 | 280.00 | 336.98 | 146.02 |
| 493 | 1.25(1.25) | 352.83 | 210.00 | 142.83 | 61.89 |
| 494 | 1.25(1.25) | 579.49 | 320.00 | 259.49 | 112.44 |
| 495 | 1.25(1.25) | | 335.00 | 322.17 | 139.61 |
| 497 | 1.25(1.25) | | 265.00 | 185.12 | 80.22 |
| | 1.25(1.25) | | | | |
| 498 | | | 306.00 | 257.11 | 111.42 |
| 499 | 1.25(1.25) | | 190.00 | 292.00 | 126.53 |
| 501 | 1.25(1.25) | | 210.00 | 200.90 | 87.06 |
| 502 | 1.25(1.25) | | 260.00 | 167.27 | 72.48 |
| 503 | 1.25(1.25) | 359.01 | 290.00 | 69.01 | 29.90 |
| 505 | 1.25(1.25) | 359.26 | 295.00 | 64.26 | 27.85 |
| 506 | 1.25(1.25) | 626.31 | 470.00 | 156.31 | 67.74 |
| 507 | 1.25(1.25) | | 185.00 | 202.81 | 87.89 |
| 510 | 1.25(1.25) | | 190.00 | 180.54 | 78.23 |
| | | | | | |
| 511 | 1.25(1.25) | | 200.00 | 199.68 | 86.53 |
| 512 | 1.25(1.25) | | 185.00 | 200.15 | 86.73 |
| 513 | 1.25(1.25) | | 200.00 | 187.28 | 81.16 |
| 514 | 1.25(1.25) | | 285.00 | 295.58 | 128.08 |
| 515 | 1.25(1.25) | 388.63 | 220.00 | 168.63 | 73.07 |
| | | | | | |

| 517 | 1.25(1.25) | | 300.00 | 267.62 | 115.97 |
|-----|-------------|----------------|--------|--------|--------|
| 518 | 1.25(1.25) | 520.06 | 300.00 | 220.06 | 95.36 |
| 524 | 1.25(1.25) | 387.95 | 185.00 | 202.95 | 87.95 |
| 525 | 1.25(1.25) | | 185.00 | 197.11 | 85.41 |
| | | | | | |
| 526 | 1.25(1.25) | | 200.00 | 137.47 | 59.57 |
| 528 | 1.25(1.25) | 387.64 | 190.00 | 197.64 | 85.64 |
| 529 | 1.25(1.25) | 325.79 | 200.00 | 125.79 | 54.51 |
| 530 | 1.25 (1.25) | 506.21 | 360.00 | 146.21 | 63.36 |
| | 1.25(1.25) | | | | |
| 532 | | | 290.00 | 68.76 | 29.80 |
| 533 | 1.25(1.25) | 338.39 | 210.00 | 128.39 | 55.63 |
| 534 | 1.25(1.25) | 387.49 | 190.00 | 197.49 | 85.58 |
| 536 | 1.25(1.25) | 372.16 | 345.00 | 27.16 | 11.77 |
| 537 | 1.25(1.25) | | 310.00 | 212.94 | 92.27 |
| | | | | | |
| 540 | 1.25(1.25) | | 185.00 | 202.16 | 87.60 |
| 541 | 1.25(1.25) | 331.65 | 190.00 | 141.65 | 61.38 |
| 543 | 1.25(1.25) | 538.64 | 340.00 | 198.64 | 86.08 |
| 545 | 1.25(1.25) | 481.09 | 190.00 | 291.09 | 126.14 |
| | | | | | |
| 546 | 1.25(1.25) | | 370.00 | 98.60 | 42.73 |
| 547 | 1.25(1.25) | 338.20 | 210.00 | 128.20 | 55.55 |
| 548 | 1.25(1.25) | 409.22 | 220.00 | 189.22 | 81.99 |
| 549 | 1.25(1.25) | 628.75 | 380.00 | 248.75 | 107.79 |
| 550 | 1.25(1.25) | | 190.00 | 143.49 | 62.18 |
| | | | | | |
| 551 | 1.25(1.25) | | 185.00 | 198.84 | 86.16 |
| 552 | 1.25(1.25) | 572.7 1 | 410.00 | 162.71 | 70.51 |
| 554 | 1.25(1.25) | 503.26 | 325.00 | 178.26 | 77.25 |
| 558 | 1.25(1.25) | 566.06 | 340.00 | 226.06 | 97.96 |
| 559 | 1.25(1.25) | | 220.00 | | 72.77 |
| | | | | 167.93 | |
| 560 | 1.25(1.25) | | 200.00 | 187.92 | 81.43 |
| 562 | 1.25(1.25) | 385.82 | 185.00 | 200.82 | 87.02 |
| 565 | 1.25(1.25) | 427.15 | 250.00 | 177.15 | 76.77 |
| 569 | 1.25(1.25) | 508.89 | 360.00 | 148.89 | 64.52 |
| 570 | 1.25(1.25) | | 205.00 | | 84.71 |
| | · | | | 195.48 | |
| 572 | 1.25(1.25) | | 330.00 | 146.23 | 63.37 |
| 573 | 1.25(1.25) | 505.54 | 345.00 | 160.54 | 69.57 |
| 575 | 1.25(1.25) | 505.47 | 345.00 | 160.47 | 69.54 |
| 577 | 1.25(1.25) | | 190.00 | 140.35 | 60.82 |
| | | | | | |
| 579 | 1.25(1.25) | | 390.00 | 115.15 | 49.90 |
| 580 | 1.25(1.25) | | 250.00 | 272.23 | 117.97 |
| 581 | 1.25(1.25) | 504.98 | 310.00 | 194.98 | 84.49 |
| 582 | 1.25(1.25) | 552.93 | 350.00 | 202.93 | 87.94 |
| 583 | 1.25(1.25) | | 370.00 | 140.38 | 60.83 |
| | | | | | |
| 584 | 1.25(1.25) | | 220.00 | 91.94 | 39.84 |
| 585 | 1.25(1.25) | | 210.00 | 174.89 | 75.79 |
| 586 | 1.25(1.25) | 576.12 | 290.00 | 286.12 | 123.98 |
| 588 | 1.25(1.25) | 572.98 | 340.00 | 232.98 | 100.96 |
| 589 | 1.25(1.25) | | 185.00 | 199.26 | 86.35 |
| | 1.25(1.25) | | | | |
| 590 | | | 185.00 | 202.16 | 87.60 |
| 591 | 1.25(1.25) | | 240.00 | 160.26 | 69.45 |
| 592 | 1.25(1.25) | | 190.00 | 141.55 | 61.34 |
| 595 | 1.25(1.25) | 484.90 | 390.00 | 94.90 | 41.12 |
| 596 | 1.25(1.25) | 387.47 | 200.00 | 187.47 | 81.24 |
| 598 | 1.25(1.25) | 354.19 | 280.00 | 74.19 | 32.15 |
| | | | | | |
| 599 | 1.25(1.25) | 480.62 | 190.00 | 290.62 | 125.94 |
| 600 | 1.25(1.25) | 385.46 | 185.00 | 200.46 | 86.86 |
| 601 | 1.25(1.25) | 400.07 | 220.00 | 180.07 | 78.03 |
| 602 | 1.25(1.25) | 338.63 | 210.00 | 128.63 | 55.74 |
| 605 | 1.25(1.25) | 381.62 | 190.00 | 191.62 | 83.04 |
| | | | | | |
| 606 | 1.25(1.25) | 482.43 | 190.00 | 292.43 | 126.72 |
| 607 | 1.25(1.25) | 387.55 | 190.00 | 197.55 | 85.60 |
| 610 | 1.25(1.25) | 381.15 | 250.00 | 131.15 | 56.83 |
| 611 | 1.25(1.25) | 571.18 | 430.00 | 141.18 | 61.18 |
| 612 | 1.25(1.25) | | 360.00 | 148.89 | 64.52 |
| | | | | | |
| 614 | 1.25(1.25) | | 210.00 | 171.99 | 74.53 |
| 615 | 1.25(1.25) | | 180.00 | 210.92 | 91.40 |
| 616 | 1.25(1.25) | 415.96 | 280.00 | 135.96 | 58.91 |
| 618 | 1.25(1.25) | 472.38 | 250.00 | 222.38 | 96.37 |
| 619 | 1.25(1.25) | | 240.00 | 140.56 | 60.91 |
| | | | | | |
| 620 | 1.25(1.25) | | 300.00 | 187.86 | 81.41 |
| 621 | 1.25(1.25) | | 220.00 | 261.23 | 113.20 |
| 624 | 1.25(1.25) | 382.71 | 185.00 | 197.71 | 85.67 |
| 625 | 1.25(1.25) | | 200.00 | 174.78 | 75.74 |
| - | , | | | | |

| 627 | 1.25(1.25) | 387.46 | 190.00 | 197.46 | 85.57 |
|------------|--------------------------|--------|------------------|------------------|-----------------|
| 629 | 1.25(1.25) | 572.50 | 420.00 | 152.50 | 66.08 |
| 630 | 1.25(1.25) | 567.03 | 420.00 | 147.03 | 63.71 |
| 631 | 1.25(1.25) | 567.04 | 420.00 | 147.04 | 63.72 |
| 634 | 1.25(1.25) | | 185.00 | 148.36 | 64.29 |
| 639 | 1.25(1.25) | | 215.00 | 184.67 | 80.02 |
| 640 | 1.25(1.25) | | 185.00 | 198.43 | 85.99 |
| 641 | 1.25(1.25) | | 390.00 | 181.89 | 78.82 |
| 642 | 1.25(1.25) | | 185.00 | 197.33 | 85.51 |
| 644 | 1.25(1.25) | | 280.00 | 99.99 | 43.33 |
| 645 | 1.25(1.25) | | 200.00 | 187.63 | 81.31 |
| 646 | 1.25(1.25) | | 370.00 | 137.33 | 59.51 |
| 647
648 | 1.25(1.25) | | 220.00 | 129.10 | 55.94 |
| 649 | 1.25(1.25) | | 320.00
185.00 | 252.62
199.09 | 109.47
86.27 |
| 650 | 1.25(1.25) | | 230.00 | 148.07 | 64.16 |
| 651 | 1.25(1.25) | | 280.00 | 158.36 | 68.62 |
| 653 | 1.25(1.25) | | 205.00 | 201.40 | 87.27 |
| 654 | 1.25(1.25) | | 290.00 | 99.61 | 43.17 |
| 655 | 1.25(1.25) | | 235.00 | 165.73 | 71.82 |
| 656 | 1.25(1.25) | | 280.00 | 158.36 | 68.62 |
| 657 | 1.25(1.25) | 436.37 | 210.00 | 226.37 | 98.10 |
| 658 | 1.25(1.25) | 374.61 | 200.00 | 174.61 | 75.67 |
| 659 | 1.25(1.25) | 334.22 | 190.00 | 144.22 | 62.49 |
| 660 | 1.25(1.25) | 554.23 | 290.00 | 264.23 | 114.50 |
| 661 | 1.25(1.25) | 409.08 | 230.00 | 179.08 | 77.60 |
| 662 | 1.25(1.25) | | 245.00 | 162.30 | 70.33 |
| 663 | 1.25(1.25) | | 230.00 | 177.16 | 76.77 |
| 664 | 1.25(1.25) | | 360.00 | 113.30 | 49.10 |
| 668 | 1.25(1.25) | | 290.00 | 100.75 | 43.66 |
| 669 | 1.25(1.25) | | 350.00 | 203.02 | 87.97 |
| 670 | 1.25(1.25) | | 320.00 | 232.68 | 100.83 |
| 671
672 | 1.25(1.25) | | 185.00
300.00 | 198.62
143.73 | 86.07
62.28 |
| 673 | 1.25(1.25) | | 340.00 | 161.01 | 69.77 |
| 676 | 1.25(1.25) | | 360.00 | 149.13 | 64.62 |
| 677 | 1.25(1.25) | | 320.00 | 244.68 | 106.03 |
| 678 | 1.25(1.25) | | 290.00 | 192.54 | 83.43 |
| 679 | 1.25(1.25) | | 340.00 | 197.33 | 85.51 |
| 680 | 1.25(1.25) | 502.74 | 350.00 | 152.74 | 66.19 |
| 682 | 1.25(1.25) | 570.10 | 400.00 | 170.10 | 73.71 |
| 683 | 1.25(1.25) | | 215.00 | 146.26 | 63.38 |
| 684 | 1.25(1.25) | | 390.00 | 117.67 | 50.99 |
| 688 | 1.25(1.25) | | 240.00 | 186.36 | 80.75 |
| 691 | 1.25(1.25) | | 345.00 | 115.46 | 50.03 |
| 693 | 1.25(1.25) | | 215.00 | 185.52 | 80.39 |
| 694 | 1.25(1.25) | | 360.00 | 149.93 | 64.97 |
| 696
697 | 1.25(1.25)
1.25(1.25) | 504.34 | 320.00
260.00 | 184.34 | 79.88 |
| 699 | 1.25(1.25) | | 190.00 | 212.67
292.15 | 92.16
126.60 |
| 700 | 1.25(1.25) | | 240.00 | 160.14 | 69.39 |
| 701 | 1.25(1.25) | | 200.00 | 195.09 | 84.54 |
| 703 | 1.25(1.25) | | 310.00 | 161.87 | 70.14 |
| 705 | 1.25(1.25) | 382.58 | 185.00 | 197.58 | 85.62 |
| 706 | 1.25(1.25) | 480.93 | 185.00 | 295.93 | 128.24 |
| 708 | 1.25(1.25) | 349.21 | 210.00 | 139.21 | 60.32 |
| 710 | 1.25(1.25) | | 320.00 | 158.22 | 68.56 |
| 711 | 1.25(1.25) | | 225.00 | 175.63 | 76.11 |
| 712 | 1.25(1.25) | | 388.00 | 118.12 | 51.19 |
| 714 | 1.25(1.25) | | 280.00 | 274.20 | 118.82 |
| 715 | 1.25(1.25) | | 500.00 | 125.86 | 54.54 |
| 716 | 1.25(1.25) | | 240.00 | 191.76 | 83.10 |
| 717 | 1.25(1.25) | | 340.00 | 119.44 | 51.76 |
| 718
720 | 1.25(1.25)
1.25(1.25) | | 230.00
210.00 | 170.23
177.87 | 73.77
77.08 |
| 723 | 1.25(1.25) | | 330.00 | 149.11 | 64.61 |
| 724 | 1.25(1.25) | | 370.00 | 191.87 | 83.15 |
| 725 | 1.25(1.25) | | 185.00 | 202.42 | 87.72 |
| 727 | 1.25(1.25) | | 210.00 | 179.20 | 77.65 |
| 728 | 1.25(1.25) | | 290.00 | 149.57 | 64.81 |
| 729 | 1.25(1.25) | 381.48 | 190.00 | 191.48 | 82.98 |
| | | | | | |

| 730 | 1.25(1.25) | 330.97 | 190.00 | 140.97 | 61.09 |
|-----|------------|--------|--------|--------|--------|
| 731 | 1.25(1.25) | 400 31 | 220.00 | 180.31 | 78.13 |
| | | | | | |
| 732 | 1.25(1.25) | 455.43 | 310.00 | 145.43 | 63.02 |
| 733 | 1.25(1.25) | 400.17 | 205.00 | 195.17 | 84.58 |
| | 1.25(1.25) | | | | |
| 736 | | | 185.00 | 147.54 | 63.93 |
| 738 | 1.25(1.25) | 387.64 | 190.00 | 197.64 | 85.64 |
| 739 | 1.25(1.25) | 400 17 | 220.00 | 180.17 | 78.07 |
| | | | | | |
| 740 | 1.25(1.25) | 493.05 | 310.00 | 183.05 | 79.32 |
| 741 | 1.25(1.25) | 567.38 | 470.00 | 97.38 | 42.20 |
| | | | | | |
| 742 | 1.25(1.25) | | 250.00 | 180.61 | 78.26 |
| 745 | 1.25(1.25) | 562.94 | 360.00 | 202.94 | 87.94 |
| 746 | 1.25(1.25) | 325 87 | 210.00 | 115.87 | 50.21 |
| | | | | | |
| 747 | 1.25(1.25) | 465.58 | 270.00 | 195.58 | 84.75 |
| 748 | 1.25(1.25) | 457.74 | 310.00 | 147.74 | 64.02 |
| | | | | | |
| 749 | 1.25(1.25) | | 240.00 | 232.94 | 100.94 |
| 750 | 1.25(1.25) | 504.62 | 360.00 | 144.62 | 62.67 |
| 751 | 1.25(1.25) | | 300.00 | 257.14 | 111.43 |
| | | | | | |
| 752 | 1.25(1.25) | 473.57 | 380.00 | 93.57 | 40.55 |
| 753 | 1.25(1.25) | 619 12 | 320.00 | 299.12 | 129.62 |
| | | | | | |
| 754 | 1.25(1.25) | 619.59 | 345.00 | 274.59 | 118.99 |
| 755 | 1.25(1.25) | 504.01 | 225.00 | 279.01 | 120.91 |
| | | | | | |
| 757 | 1.25(1.25) | | 195.00 | 288.46 | 125.00 |
| 758 | 1.25(1.25) | 387.02 | 185.00 | 202.02 | 87.54 |
| 759 | 1.25(1.25) | 399 02 | 200.00 | 199.02 | 86.24 |
| | | | | | |
| 760 | 1.25(1.25) | 567.49 | 320.00 | 247.49 | 107.24 |
| 761 | 1.25(1.25) | 563.79 | 330.00 | 233.79 | 101.31 |
| | | | | | |
| 763 | 1.25(1.25) | | 300.00 | 133.40 | 57.80 |
| 766 | 1.25(1.25) | 490.76 | 300.00 | 190.76 | 82.66 |
| 767 | 1.25(1.25) | 564.85 | 302.00 | 262.85 | 113.90 |
| | | | | | |
| 770 | 1.25(1.25) | 383.17 | 280.00 | 103.17 | 44.71 |
| 771 | 1.25(1.25) | 378.73 | 240.00 | 138.73 | 60.12 |
| 772 | 1.25(1.25) | | 290.00 | 90.13 | 39.06 |
| | | | | | |
| 773 | 1.25(1.25) | 397.24 | 260.00 | 137.24 | 59.47 |
| 777 | 1.25(1.25) | 329.70 | 230.00 | 99.70 | 43.20 |
| | | | | | |
| 778 | 1.25(1.25) | | 200.00 | 138.16 | 59.87 |
| 779 | 1.25(1.25) | 338.31 | 210.00 | 128.31 | 55.60 |
| 781 | 1.25(1.25) | 653 01 | 380.00 | 273.94 | 118.71 |
| | | | | | |
| 782 | 1.25(1.25) | 472.80 | 360.00 | 112.80 | 48.88 |
| 783 | 1.25(1.25) | 335.35 | 200.00 | 135.35 | 58.65 |
| | | | | | |
| 784 | 1.25(1.25) | 483.46 | 195.00 | 288.46 | 125.00 |
| 788 | 1.25(1.25) | 480.68 | 190.00 | 290.68 | 125.96 |
| 789 | 1.25(1.25) | | 190.00 | 290.68 | 125.96 |
| | | | | | |
| 790 | 1.25(1.25) | 359.48 | 270.00 | 89.48 | 38.78 |
| 791 | 1.25(1.25) | 445.89 | 200.00 | 245.89 | 106.55 |
| | | | | | |
| 792 | 1.25(1.25) | 619.73 | 380.00 | 239.73 | 103.88 |
| 793 | 1.25(1.25) | 482.00 | 185.00 | 297.00 | 128.70 |
| 794 | 1.25(1.25) | 481 99 | 185.00 | 296.99 | 128.70 |
| | | | | | |
| 795 | 1.25(1.25) | 635.68 | 480.00 | 155.68 | 67.46 |
| 796 | 1.25(1.25) | 505.90 | 360.00 | 145.90 | 63.23 |
| | 1.25(1.25) | 415.02 | 300.00 | 115.02 | 49.84 |
| 800 | | | | | |
| 801 | 1.25(1.25) | 423.21 | 340.00 | 83.21 | 36.06 |
| 802 | 1.25(1.25) | 399.84 | 210.00 | 189.84 | 82.26 |
| | | | | | |
| 804 | 1.25(1.25) | 388.04 | 215.00 | 173.04 | 74.99 |
| 806 | 1.25(1.25) | 387.91 | 195.00 | 192.91 | 83.60 |
| | 1.25(1.25) | 458.20 | 330.00 | 128.20 | 55.55 |
| 807 | | | | | |
| 808 | 1.25(1.25) | 499.79 | 320.00 | 179.79 | 77.91 |
| 811 | 1.25(1.25) | 617.29 | 350.00 | 267.29 | 115.82 |
| | | | | | |
| 813 | 1.25(1.25) | | 190.00 | 191.49 | 82.98 |
| 814 | 1.25(1.25) | 388.67 | 210.00 | 178.67 | 77.43 |
| 817 | 1.25(1.25) | | 195.00 | 192.59 | 83.46 |
| | | | | | |
| 820 | 1.25(1.25) | 408.79 | 235.00 | 173.79 | 75.31 |
| 821 | 1,25(1,25) | 484.70 | 195.00 | 289.70 | 125.54 |
| | 1.25(1.25) | 412.49 | | 162.49 | |
| 823 | | | 250.00 | | 70.41 |
| 824 | 1.25(1.25) | 344.78 | 260.00 | 84.78 | 36.74 |
| 825 | 1.25(1.25) | 619.12 | 330.00 | 289.12 | 125.29 |
| | | | | | |
| 826 | 1.25(1.25) | | 205.00 | 183.13 | 79.36 |
| 827 | 1.25(1.25) | 382.60 | 185.00 | 197.60 | 85.63 |
| | | | | | |
| 830 | 1.25(1.25) | | 320.00 | 137.61 | 59.63 |
| 831 | 1.25(1.25) | 457.92 | 330.00 | 127.92 | 55.43 |
| 832 | 1.25(1.25) | | 370.00 | 140.14 | 60.73 |
| | | | | | |
| 833 | 1.25(1.25) | 346.08 | 260.00 | 86.08 | 37.30 |
| | | | | | |

| 834 | 1.25(1.25) | 338.06 | 210.00 | 128.06 | 55.49 |
|------------|------------|--------|------------------|------------------|----------------|
| 838 | 1.25(1.25) | 510.36 | 370.00 | 140.36 | 60.82 |
| 840 | 1.25(1.25) | 400 24 | 220.00 | 180.24 | 78.11 |
| | | | | | |
| 841 | 1.25(1.25) | | 300.00 | 319.09 | 138.27 |
| 842 | 1.25(1.25) | 597.34 | 280.00 | 317.34 | 137.51 |
| 843 | 1.25(1.25) | 387.54 | 240.00 | 147.54 | 63.93 |
| | 1.25(1.25) | | | | |
| 844 | | | 230.00 | 170.17 | 73.74 |
| 845 | 1.25(1.25) | 400.15 | 240.00 | 160.15 | 69.40 |
| 846 | 1.25(1.25) | 327.45 | 185.00 | 142.45 | 61.73 |
| 847 | 1.25(1.25) | | 340.00 | 267.91 | 116.10 |
| | | | | | |
| 848 | 1.25(1.25) | | 320.00 | 253.96 | 110.05 |
| 849 | 1.25(1.25) | 561.94 | 430.00 | 131.94 | 57.17 |
| 852 | 1.25(1.25) | 327.07 | 200.00 | 127.07 | 55.06 |
| 853 | 1.25(1.25) | 462.46 | 290.00 | 172.46 | 74.73 |
| | 1.25(1.25) | | | | |
| 854 | | | 210.00 | 226.41 | 98.11 |
| 857 | 1.25(1.25) | | 350.00 | 234.80 | 101.75 |
| 858 | 1.25(1.25) | 325.75 | 210.00 | 115.75 | 50.16 |
| 859 | 1.25(1.25) | 345.79 | 200.00 | 145.79 | 63.17 |
| 860 | 1.25(1.25) | | 185.00 | 294.08 | 127.43 |
| | | | | | |
| 861 | 1.25(1.25) | | 282.00 | 330.37 | 143.16 |
| 862 | 1.25(1.25) | 382.26 | 185.00 | 197.26 | 85.48 |
| 863 | 1.25(1.25) | 384.79 | 185.00 | 199.79 | 86.58 |
| 864 | 1.25(1.25) | | 220.00 | 127.02 | 55.04 |
| | | | | | |
| 865 | 1.25(1.25) | | 300.00 | 319.10 | 138.28 |
| 866 | 1.25(1.25) | 619.09 | 300.00 | 319.09 | 138.27 |
| 869 | 1.25(1.25) | 480.68 | 190.00 | 290.68 | 125.96 |
| 870 | 1.25(1.25) | 625.90 | 430.00 | 195.90 | 84.89 |
| 872 | 1.25(1.25) | | 390.00 | 117.39 | 50.87 |
| | | | | | |
| 873 | 1.25(1.25) | | 360.00 | 144.62 | 62.67 |
| 874 | 1.25(1.25) | 382.82 | 185.00 | 197.82 | 85.72 |
| 875 | 1.25(1.25) | 388.51 | 250.00 | 138.51 | 60.02 |
| 879 | 1.25(1.25) | | 210.00 | 128.24 | 55.57 |
| | | | | | |
| 880 | 1.25(1.25) | | 370.00 | 201.95 | 87.51 |
| 881 | 1.25(1.25) | 565.21 | 420.00 | 145.21 | 62.92 |
| 883 | 1.25(1.25) | 325.53 | 200.00 | 125.53 | 54.40 |
| 885 | 1.25(1.25) | | 360.00 | 163.08 | 70.67 |
| | 1.25(1.25) | | | | |
| 887 | | | 215.00 | 173.05 | 74.99 |
| 888 | 1.25(1.25) | 346.49 | 200.00 | 146.49 | 63.48 |
| 889 | 1.25(1.25) | 480.88 | 185.00 | 295.88 | 128.21 |
| 890 | 1.25(1.25) | 477.15 | 260.00 | 217.15 | 94.10 |
| 893 | 1.25(1.25) | | 210.00 | 226.06 | 97.96 |
| | | | | | |
| 896 | 1.25(1.25) | | 240.00 | 106.80 | 46.28 |
| 897 | 1.25(1.25) | 387.90 | 200.00 | 187.90 | 81.42 |
| 898 | 1.25(1.25) | 344.76 | 260.00 | 84.76 | 36.73 |
| 900 | 1.25(1.25) | | 210.00 | 96.16 | 41.67 |
| | | | | | |
| 902 | 1.25(1.25) | | 365.00 | 311.44 | 134.96 |
| 903 | 1.25(1.25) | 621.27 | 322.00 | 299.27 | 129.68 |
| 904 | 1.25(1.25) | 684.81 | 390.00 | 294.81 | 127.75 |
| 905 | 1.25(1.25) | 640.76 | 340.00 | 300.76 | 130.33 |
| 907 | 1.25(1.25) | 420.26 | 270.00 | 150.26 | 65.11 |
| | | | | | |
| 908 | 1.25(1.25) | 567.18 | 380.00 | 187.18 | 81.11 |
| 910 | 1.25(1.25) | 329.69 | 230.00 | 99.69 | 43.20 |
| 911 | 1.25(1.25) | 310.18 | 190.00 | 120.18 | 52.08 |
| 912 | 1.25(1.25) | 347.41 | 250.00 | 97.41 | 42.21 |
| | 1.25(1.25) | 386.21 | 185.00 | 201.21 | 87.19 |
| 913 | , , | | | | |
| 914 | 1.25(1.25) | 482.99 | 320.00 | 162.99 | 70.63 |
| 917 | 1.25(1.25) | 624.97 | 540.00 | 84.97 | 36.82 |
| 918 | 1.25(1.25) | 332.47 | 190.00 | 142.47 | 61.74 |
| 921 | 1.25(1.25) | 369.64 | 240.00 | 129.64 | 56.18 |
| | | | | | |
| 923 | 1.25(1.25) | 391.07 | 180.00 | 211.07 | 91.46 |
| 924 | 1.25(1.25) | 507.78 | 350.00 | 157.78 | 68.37 |
| 925 | 1.25(1.25) | 587.97 | 340.00 | 247.97 | 107.45 |
| 926 | 1.25(1.25) | 472.68 | 360.00 | 112.68 | 48.83 |
| | 1.25(1.25) | | 370.00 | 125.70 | 54.47 |
| 927 | | | | | |
| 928 | 1.25(1.25) | 509.36 | 360.00 | 149.36 | 64.72 |
| 929 | 1.25(1.25) | 481.43 | 190.00 | 291.43 | 126.29 |
| 930 | 1.25(1.25) | 619.09 | 340.00 | 279.09 | 120.94 |
| | 1.25(1.25) | 554.30 | 230.00 | 324.30 | 140.53 |
| 932 | | | | | |
| 933 | 1.25(1.25) | 430.65 | 270.00 | 160.65 | 69.62 |
| 004 | | | | | |
| 934 | 1.25(1.25) | | 190.00 | 197.64 | 85.64 |
| 934
935 | | | 190.00
370.00 | 197.64
125.58 | 85.64
54.42 |

| 936 | 1.25(1.25) | 387.02 | 185.00 | 202.02 | 87.54 |
|------|-------------|--------|--------|--------|--------|
| 938 | 1.25(1.25) | 572.50 | 415.00 | 157.50 | 68.25 |
| 939 | 1.25(1.25) | | 220.00 | 168.89 | 73.19 |
| 941 | 1.25(1.25) | | 300.00 | 160.97 | 69.75 |
| 944 | 1.25(1.25) | | 200.00 | 138.59 | 60.06 |
| | 1.25(1.25) | | | | |
| 946 | | | 220.00 | 168.63 | 73.07 |
| 947 | 1.25(1.25) | | 185.00 | 200.41 | 86.85 |
| 948 | 1.25(1.25) | | 250.00 | 129.62 | 56.17 |
| 949 | 1.25(1.25) | 380.96 | 250.00 | 130.96 | 56.75 |
| 950 | 1.25(1.25) | 380.65 | 250.00 | 130.65 | 56.61 |
| 951 | 1.25(1.25) | 383.26 | 185.00 | 198.26 | 85.91 |
| 952 | 1.25(1.25) | 504.87 | 330.00 | 174.87 | 75.78 |
| 956 | 1.25(1.25) | | 390.00 | 95.70 | 41.47 |
| 957 | 1.25(1.25) | | 185.00 | 202.16 | 87.60 |
| | 1.25(1.25) | | | | |
| 960 | | | 210.00 | 178.11 | 77.18 |
| 962 | 1.25(1.25) | | 190.00 | 197.56 | 85.61 |
| 964 | 1.25(1.25) | | 210.00 | 128.14 | 55.53 |
| 965 | 1.25(1.25) | 453.95 | 340.00 | 113.95 | 49.38 |
| 966 | 1.25(1.25) | 576.55 | 350.00 | 226.55 | 98.17 |
| 967 | 1.25(1.25) | 318.58 | 190.00 | 128.58 | 55.72 |
| 969 | 1.25 (1.25) | 389.94 | 195.00 | 194.94 | 84.48 |
| 971 | 1.25(1.25) | | 370.00 | 139.85 | 60.60 |
| 972 | 1.25(1.25) | | 190.00 | 261.03 | 113.11 |
| | 1.25(1.25) | | | | |
| 973 | | | 190.00 | 197.67 | 85.66 |
| 975 | 1.25(1.25) | | 390.00 | 182.06 | 78.89 |
| 976 | 1.25(1.25) | | 390.00 | 181.63 | 78.70 |
| 977 | 1.25(1.25) | 625.84 | 510.00 | 115.84 | 50.20 |
| 978 | 1.25(1.25) | 311.93 | 220.00 | 91.93 | 39.84 |
| 979 | 1.25(1.25) | 571.03 | 420.00 | 151.03 | 65.44 |
| 980 | 1.25(1.25) | 338.03 | 200.00 | 138.03 | 59.81 |
| 982 | 1.25(1.25) | | 240.00 | 140.83 | 61.03 |
| 984 | 1.25(1.25) | | 300.00 | 187.45 | 81.23 |
| 990 | 1.25(1.25) | | 240.00 | 160.10 | 69.38 |
| | | | | | |
| 991 | 1.25(1.25) | | 210.00 | 189.81 | 82.25 |
| 992 | 1.25(1.25) | | 270.00 | 89.29 | 38.69 |
| 993 | 1.25(1.25) | | 185.00 | 199.82 | 86.59 |
| 994 | 1.25(1.25) | 387.52 | 190.00 | 197.52 | 85.59 |
| 995 | 1.25(1.25) | 381.68 | 185.00 | 196.68 | 85.23 |
| 996 | 1.25(1.25) | 529.64 | 330.00 | 199.64 | 86.51 |
| 997 | 1.25(1.25) | 332.76 | 190.00 | 142.76 | 61.86 |
| 999 | 1.25(1.25) | 239.54 | 185.00 | 54.54 | 23.63 |
| 1000 | 1.25(1.25) | | 230.00 | 188.80 | 81.81 |
| 1001 | 1.25(1.25) | | 200.00 | 170.95 | 74.08 |
| 1002 | 1.25(1.25) | | 350.00 | 154.41 | 66.91 |
| | 1.25(1.25) | | | | 128.80 |
| 1004 | | | 185.00 | 297.23 | |
| 1005 | 1.25(1.25) | | 350.00 | 304.45 | 131.93 |
| 1006 | 1.25(1.25) | | 370.00 | 290.93 | 126.07 |
| 1007 | 1.25(1.25) | | 230.00 | 146.55 | 63.51 |
| 1008 | 1.25(1.25) | 389.24 | 210.00 | 179.24 | 77.67 |
| 1009 | 1.25(1.25) | 530.26 | 330.00 | 200.26 | 86.78 |
| 1010 | 1.25(1.25) | 621.68 | 322.00 | 299.68 | 129.86 |
| 1011 | 1.25(1.25) | 406.25 | 200.00 | 206.25 | 89.37 |
| 1012 | 1.25(1.25) | 485.95 | 310.00 | 175.95 | 76.25 |
| 1013 | 1.25(1.25) | | 560.00 | 64.40 | 27.91 |
| | 1.25(1.25) | | 200.00 | 188.06 | 81.49 |
| 1014 | | | | | |
| 1015 | 1.25(1.25) | | 250.00 | 138.50 | 60.02 |
| 1016 | 1.25(1.25) | | 320.00 | 155.70 | 67.47 |
| 1017 | 1.25(1.25) | | 230.00 | 185.17 | 80.24 |
| 1018 | 1.25(1.25) | | 200.00 | 205.10 | 88.88 |
| 1020 | 1.25(1.25) | 482.96 | 190.00 | 292.96 | 126.95 |
| 1023 | 1.25(1.25) | 412.40 | 240.00 | 172.40 | 74.70 |
| 1025 | 1.25(1.25) | 385.72 | 185.00 | 200.72 | 86.98 |
| 1027 | 1.25(1.25) | | 190.00 | 142.69 | 61.83 |
| 1029 | 1.25(1.25) | | 210.00 | 162.69 | 70.50 |
| | 1.25(1.25) | | 200.00 | | 47.82 |
| 1031 | | | | 110.36 | |
| 1032 | 1.25(1.25) | | 240.00 | 193.69 | 83.93 |
| 1033 | 1.25(1.25) | | 200.00 | 187.39 | 81.20 |
| 1034 | 1.25(1.25) | | 320.00 | 222.54 | 96.43 |
| 1035 | 1.25(1.25) | | 320.00 | 232.73 | 100.85 |
| 1036 | 1.25(1.25) | 554.24 | 330.00 | 224.24 | 97.17 |
| 1037 | 1.25(1.25) | 407.89 | 230.00 | 177.89 | 77.08 |
| | | | | | |

| 1040 | 1 25/1 25\ | 350.00 | 000 00 | | |
|------|------------|--------|--------|--------|--------|
| 1040 | 1.25(1.25) | | 270.00 | 89.99 | 39.00 |
| 1041 | 1.25(1.25) | 331.40 | 190.00 | 141.40 | 61.27 |
| 1042 | 1.25(1.25) | 387.47 | 185.00 | 202.47 | 87.74 |
| 1043 | 1.25(1.25) | 333.01 | 185.00 | 148.01 | 64.14 |
| 1044 | 1.25(1.25) | 381.50 | 185.00 | 196.50 | 85.15 |
| 1045 | 1.25(1.25) | | 190.00 | 182.91 | |
| | | | | | 79.26 |
| 1047 | 1.25(1.25) | | 240.00 | 226.56 | 98.18 |
| 1049 | 1.25(1.25) | 565.45 | 320.00 | 245.45 | 106.36 |
| 1050 | 1.25(1.25) | 564.67 | 310.00 | 254.67 | 110.36 |
| 1052 | 1.25(1.25) | 521.82 | 300.00 | 221.82 | 96.12 |
| 1054 | 1.25(1.25) | | 440.00 | 131.02 | 56.77 |
| 1055 | 1.25(1.25) | | 230.00 | | |
| | | | | 179.09 | 77.60 |
| 1056 | 1.25(1.25) | | 340.00 | 222.69 | 96.50 |
| 1057 | 1.25(1.25) | | 340.00 | 244.85 | 106.10 |
| 1059 | 1.25(1.25) | 336.08 | 200.00 | 136.08 | 58.97 |
| 1060 | 1.25(1.25) | 472.29 | 370.00 | 102.29 | 44.32 |
| 1061 | 1.25(1.25) | 358.99 | 290.00 | 68.99 | 29.89 |
| 1062 | 1.25(1.25) | | 330.00 | 208.21 | 90.22 |
| | | | | | |
| 1063 | 1.25(1.25) | | 200.00 | 197.26 | 85.48 |
| 1065 | 1.25(1.25) | | 330.00 | 122.08 | 52.90 |
| 1066 | 1.25(1.25) | 350.08 | 220.00 | 130.08 | 56.37 |
| 1067 | 1.25(1.25) | 654.73 | 370.00 | 284.73 | 123.38 |
| 1069 | 1.25(1.25) | 455.72 | 330.00 | 125.72 | 54.48 |
| 1070 | 1.25(1.25) | | 280.00 | 152.92 | 66.27 |
| | | | | | |
| 1072 | 1.25(1.25) | | 200.00 | 233.65 | 101.25 |
| 1073 | 1.25(1.25) | | 250.00 | 206.51 | 89.49 |
| 1076 | 1.25(1.25) | 374.24 | 190.00 | 184.24 | 79.84 |
| 1077 | 1.25(1.25) | 435.31 | 220.00 | 215.31 | 93.30 |
| 1078 | 1.25(1.25) | 381.54 | 185.00 | 196.54 | 85.17 |
| 1079 | 1.25(1.25) | | 300.00 | 160.73 | 69.65 |
| 1080 | 1.25(1.25) | | 200.00 | 199.06 | |
| | | | | | 86.26 |
| 1081 | 1.25(1.25) | | 320.00 | 248.42 | 107.65 |
| 1083 | 1.25(1.25) | | 205.00 | 182.52 | 79.09 |
| 1084 | 1.25(1.25) | 458.53 | 340.00 | 118.53 | 51.36 |
| 1086 | 1.25(1.25) | 474.02 | 320.00 | 154.02 | 66.74 |
| 1087 | 1.25(1.25) | 377.26 | 220.00 | 157.26 | 68.15 |
| 1089 | 1.25(1.25) | | 360.00 | 145.89 | 63.22 |
| 1090 | 1.25(1.25) | | 350.00 | | |
| | | | | 149.71 | 64.87 |
| 1091 | 1.25(1.25) | | 190.00 | 140.39 | 60.83 |
| 1092 | 1.25(1.25) | | 230.00 | 170.15 | 73.73 |
| 1093 | 1.25(1.25) | 480.85 | 190.00 | 290.85 | 126.04 |
| 1094 | 1.25(1.25) | 383.05 | 185.00 | 198.05 | 85.82 |
| 1095 | 1.25(1.25) | 383.36 | 185.00 | 198.36 | 85.95 |
| 1096 | 1.25(1.25) | | 270.00 | 197.96 | 85.78 |
| 1097 | 1.25(1.25) | | | | |
| | | | 290.00 | 193.76 | 83.96 |
| 1098 | 1.25(1.25) | | 310.00 | 177.60 | 76.96 |
| 1099 | 1.25(1.25) | 352.41 | 270.00 | 82.41 | 35.71 |
| 1100 | 1.25(1.25) | 400.08 | 200.00 | 200.08 | 86.70 |
| 1102 | 1.25(1.25) | 383.59 | 185.00 | 198.59 | 86.05 |
| 1104 | 1.25(1.25) | 539.33 | 292.00 | 247.33 | 107.18 |
| 1107 | 1.25(1.25) | | 300.00 | 141.98 | 61.53 |
| | 1.25(1.25) | | | | |
| 1111 | | | 323.00 | 294.34 | 127.55 |
| 1112 | 1.25(1.25) | | 340.00 | 129.80 | 56.25 |
| 1113 | 1.25(1.25) | 468.53 | 380.00 | 88.53 | 38.36 |
| 1114 | 1.25(1.25) | 347.09 | 180.00 | 167.09 | 72.40 |
| 1115 | 1.25(1.25) | 365.79 | 230.00 | 135.79 | 58.84 |
| 1116 | 1.25(1.25) | 487.10 | 310.00 | 177.10 | 76.74 |
| 1118 | 1.25(1.25) | | 260.00 | 86.08 | 37.30 |
| | | | | | |
| 1119 | 1.25(1.25) | | 250.00 | 101.84 | 44.13 |
| 1120 | 1.25(1.25) | | 310.00 | 175.35 | 75.98 |
| 1121 | 1.25(1.25) | | 340.00 | 279.14 | 120.96 |
| 1122 | 1.25(1.25) | 484.87 | 300.00 | 184.87 | 80.11 |
| 1123 | 1.25(1.25) | 388.77 | 185.00 | 203.77 | 88.30 |
| 1126 | 1.25(1.25) | | 530.00 | 95.23 | 41.26 |
| 1127 | 1.25(1.25) | | 200.00 | 106.35 | 46.09 |
| | 1.25(1.25) | | | | |
| 1130 | | | 335.00 | 169.97 | 73.65 |
| 1133 | 1.25(1.25) | | 325.00 | 227.36 | 98.52 |
| 1134 | 1.25(1.25) | 624.94 | 520.00 | 104.94 | 45.47 |
| 1135 | 1.25(1.25) | | 270.00 | 197.82 | 85.72 |
| 1138 | 1.25(1.25) | | 340.00 | 233.91 | 101.36 |
| 1140 | 1.25(1.25) | | 335.00 | 170.15 | 73.73 |
| | >(40) | 505.25 | 223.00 | 1,0,10 | |

| | 4 6- (4 6-) | | | | |
|------|-------------|--------|--------|--------|--------|
| 1142 | 1.25(1.25) | | 560.00 | 64.40 | 27.91 |
| 1144 | 1.25(1.25) | 405.05 | 280.00 | 125.05 | 54.19 |
| 1145 | 1.25(1.25) | 326.44 | 210.00 | 116.44 | 50.46 |
| 1149 | 1.25(1.25) | 481.55 | 185.00 | 296.55 | 128.50 |
| 1150 | 1.25(1.25) | | 195.00 | 288.45 | 124.99 |
| | | | | | |
| 1151 | 1.25(1.25) | | 330.00 | 185.53 | 80.40 |
| 1152 | 1.25(1.25) | 528.98 | 360.00 | 168.98 | 73.23 |
| 1153 | 1.25(1.25) | 460.14 | 300.00 | 160.14 | 69.40 |
| 1156 | 1.25(1.25) | 467.37 | 310.00 | 157.37 | 68.19 |
| 1160 | 1.25(1.25) | | 240.00 | 140.76 | 61.00 |
| 1161 | 1.25(1.25) | | | | |
| | | | 250.00 | 183.42 | 79.48 |
| 1162 | 1.25(1.25) | | 300.00 | 322.02 | 139.54 |
| 1163 | 1.25(1.25) | 489.04 | 310.00 | 179.04 | 77.58 |
| 1164 | 1.25(1.25) | 563.22 | 250.00 | 313.22 | 135.73 |
| 1165 | 1.25(1.25) | 387.16 | 185.00 | 202.16 | 87.60 |
| 1166 | 1.25(1.25) | | 410.00 | 97.58 | 42.29 |
| | 1.25(1.25) | | | | |
| 1167 | | | 185.00 | 200.41 | 86.84 |
| 1168 | 1.25(1.25) | | 190.00 | 191.60 | 83.03 |
| 1169 | 1.25(1.25) | 330.81 | 190.00 | 140.81 | 61.02 |
| 1170 | 1.25(1.25) | 382.18 | 280.00 | 102.18 | 44.28 |
| 1179 | 1.25(1.25) | 507.94 | 370.00 | 137.94 | 59.78 |
| 1183 | 1.25(1.25) | | 200.00 | 110.22 | 47.76 |
| | | | | | |
| 1184 | 1.25(1.25) | | 280.00 | 102.73 | 44.51 |
| 1185 | 1.25(1.25) | 310.10 | 190.00 | 120.10 | 52.04 |
| 1187 | 1.25(1.25) | 369.03 | 240.00 | 129.03 | 55.92 |
| 1188 | 1.25(1.25) | 405.09 | 200.00 | 205.09 | 88.87 |
| 1189 | 1.25(1.25) | | 290.00 | 146.84 | 63.63 |
| 1190 | 1.25(1.25) | | 260.00 | | |
| | | | | 163.74 | 70.95 |
| 1192 | 1.25(1.25) | | 300.00 | 102.78 | 44.54 |
| 1193 | 1.25(1.25) | | 390.00 | 117.35 | 50.85 |
| 1196 | 1.25(1.25) | 404.94 | 210.00 | 194.94 | 84.48 |
| 1197 | 1.25(1.25) | 383.71 | 185.00 | 198.71 | 86.11 |
| 1198 | 1.25(1.25) | | 300.00 | 181.37 | 78.59 |
| | 1.25(1.25) | | | | |
| 1201 | | | 260.00 | 170.62 | 73.94 |
| 1202 | 1.25(1.25) | | 310.00 | 192.24 | 83.30 |
| 1205 | 1.25(1.25) | 427.20 | 240.00 | 187.20 | 81.12 |
| 1206 | 1.25(1.25) | 506.07 | 310.00 | 196.07 | 84.96 |
| 1207 | 1.25(1.25) | 427.41 | 260.00 | 167.41 | 72.55 |
| 1209 | 1.25(1.25) | | 273.00 | 290.39 | 125.84 |
| | 1.25(1.25) | | | | |
| 1210 | | | 240.00 | 160.37 | 69.49 |
| 1211 | 1.25(1.25) | | 185.00 | 202.20 | 87.62 |
| 1214 | 1.25(1.25) | 496.78 | 370.00 | 126.78 | 54.94 |
| 1216 | 1.25(1.25) | 494.74 | 365.00 | 129.74 | 56.22 |
| 1218 | 1.25(1.25) | 369.03 | 235.00 | 134.03 | 58.08 |
| 1223 | 1.25(1.25) | | 280.00 | 102.91 | 44.59 |
| | | | | | |
| 1224 | 1.25(1.25) | | 200.00 | 199.02 | 86.24 |
| 1225 | 1.25(1.25) | | 350.00 | 143.45 | 62.16 |
| 1226 | 1.25(1.25) | 437.93 | 190.00 | 247.93 | 107.44 |
| 1227 | 1.25(1.25) | 645.36 | 450.00 | 195.36 | 84.66 |
| 1228 | 1.25(1.25) | 471.58 | 360.00 | 111.58 | 48.35 |
| 1229 | 1.25(1.25) | | 260.00 | 294.27 | 127.52 |
| 1231 | 1.25(1.25) | | 320.00 | 334.48 | 144.94 |
| | | | | | |
| 1232 | 1.25(1.25) | | 320.00 | 249.23 | 108.00 |
| 1233 | 1.25(1.25) | 354.48 | 190.00 | 164.48 | 71.28 |
| 1236 | 1.25(1.25) | 370.49 | 190.00 | 180.49 | 78.21 |
| 1237 | 1.25(1.25) | 507.95 | 365.00 | 142.95 | 61.94 |
| 1238 | 1.25(1.25) | 389.54 | 320.00 | 69.54 | 30.13 |
| | 1.25(1.25) | | 300.00 | | |
| 1239 | | | | 205.06 | 88.86 |
| 1240 | 1.25(1.25) | | 185.00 | 295.87 | 128.21 |
| 1241 | 1.25(1.25) | | 330.00 | 206.78 | 89.60 |
| 1243 | 1.25(1.25) | 391.06 | 180.00 | 211.06 | 91.46 |
| 1244 | 1.25(1.25) | | 280.00 | 186.30 | 80.73 |
| 1245 | 1.25(1.25) | | 190.00 | 197.41 | 85.54 |
| | | | | | |
| 1248 | 1.25(1.25) | | 330.00 | 98.57 | 42.71 |
| 1251 | 1.25(1.25) | | 325.00 | 174.91 | 75.79 |
| 1253 | 1.25(1.25) | 506.04 | 350.00 | 156.04 | 67.62 |
| 1254 | 1.25(1.25) | 506.16 | 388.00 | 118.16 | 51.20 |
| 1255 | 1.25(1.25) | | 360.00 | 148.80 | 64.48 |
| | 1.25(1.25) | | 320.00 | | |
| 1256 | | | | 182.96 | 79.28 |
| 1258 | 1.25(1.25) | | 320.00 | 185.15 | 80.23 |
| 1259 | 1.25(1.25) | 502.49 | 350.00 | 152.49 | 66.08 |
| | | | | | |

| 1260 | 1.25(1.25) | 502.49 | 350.00 | 152.49 | 66.08 |
|------|------------|--------|--------|--------|--------|
| 1261 | 1.25(1.25) | 502.49 | 380.00 | 122.49 | 53.08 |
| | | | | | |
| 1262 | 1.25(1.25) | | 280.00 | 103.62 | 44.90 |
| 1263 | 1.25(1.25) | 488.02 | 320.00 | 168.02 | 72.81 |
| 1264 | 1.25(1.25) | 479.97 | 310.00 | 169.97 | 73.66 |
| 1266 | 1.25(1.25) | | 200.00 | 125.26 | 54.28 |
| | | | | | |
| 1267 | 1.25(1.25) | 481.18 | 190.00 | 291.18 | 126.18 |
| 1268 | 1.25(1.25) | 482.26 | 190.00 | 292.26 | 126.65 |
| 1269 | 1.25(1.25) | 476.58 | 325.00 | 151.58 | 65.69 |
| | | | | | |
| 1270 | 1.25(1.25) | | 220.00 | 194.55 | 84.31 |
| 1271 | 1.25(1.25) | 385.08 | 185.00 | 200.08 | 86.70 |
| 1272 | 1.25(1.25) | 400.10 | 230.00 | 170.10 | 73.71 |
| 1273 | 1.25(1.25) | | 320.00 | 185.61 | |
| | | | | | 80.43 |
| 1275 | 1.25(1.25) | | 280.00 | 179.19 | 77.65 |
| 1276 | 1.25(1.25) | 628.75 | 380.00 | 248.75 | 107.79 |
| 1277 | 1.25(1.25) | 397.28 | 300.00 | 97.28 | 42.15 |
| 1278 | 1.25(1.25) | | 220.00 | 127.92 | 55.43 |
| | | | | | |
| 1280 | 1.25(1.25) | | 230.00 | 119.67 | 51.86 |
| 1281 | 1.25(1.25) | 355.26 | 270.00 | 85.26 | 36.95 |
| 1284 | 1.25(1.25) | 562.61 | 280.00 | 282.61 | 122.46 |
| | 1.25(1.25) | | | | |
| 1285 | | | 310.00 | 192.18 | 83.28 |
| 1286 | 1.25(1.25) | 481.55 | 185.00 | 296.55 | 128.50 |
| 1287 | 1.25(1.25) | 399.49 | 200.00 | 199.49 | 86.45 |
| 1288 | 1.25(1.25) | 389.29 | 190.00 | 199.29 | 86.36 |
| | | | | | |
| 1291 | 1.25(1.25) | | 202.00 | 204.83 | 88.76 |
| 1293 | 1.25(1.25) | 632.86 | 400.00 | 232.86 | 100.91 |
| 1294 | 1.25(1.25) | 454.69 | 340.00 | 114.69 | 49.70 |
| 1295 | 1.25(1.25) | | 270.00 | 202.57 | 87.78 |
| | | | | | |
| 1299 | 1.25(1.25) | | 280.00 | 191.63 | 83.04 |
| 1303 | 1.25(1.25) | 399.77 | 210.00 | 189.77 | 82.24 |
| 1304 | 1.25(1.25) | 484.17 | 300.00 | 184.17 | 79.81 |
| 1305 | 1.25(1.25) | | 185.00 | 197.52 | 85.59 |
| | | | | | |
| 1308 | 1.25(1.25) | | 185.00 | 198.63 | 86.07 |
| 1310 | 1,25(1,25) | 387.78 | 200.00 | 187.78 | 81.37 |
| 1311 | 1.25(1.25) | 387.77 | 190.00 | 197.77 | 85.70 |
| 1312 | 1.25(1.25) | 446 32 | 260.00 | 186.32 | 80.74 |
| | 1.25(1.25) | | | | |
| 1313 | | | 300.00 | 202.24 | 87.64 |
| 1315 | 1.25(1.25) | 357.92 | 250.00 | 107.92 | 46.77 |
| 1317 | 1.25(1.25) | 461.93 | 290.00 | 171.93 | 74.50 |
| 1318 | 1.25(1.25) | 415.06 | 300.00 | 115.06 | 49.86 |
| | | | | | |
| 1320 | 1.25(1.25) | | 360.00 | 142.72 | 61.84 |
| 1321 | 1.25(1.25) | 572.14 | 420.00 | 152.14 | 65.93 |
| 1322 | 1.25(1.25) | 456.36 | 260.00 | 196.36 | 85.09 |
| 1323 | 1.25(1.25) | 474.66 | 275.00 | 199.66 | 86.52 |
| | | | | 127.70 | |
| 1324 | 1.25(1.25) | | 380.00 | | 55.33 |
| 1326 | 1.25(1.25) | 579.05 | 310.00 | 269.05 | 116.59 |
| 1327 | 1.25(1.25) | 348.34 | 230.00 | 118.34 | 51.28 |
| 1328 | 1.25(1.25) | 383.62 | 185.00 | 198.62 | 86.07 |
| 1329 | 1.25(1.25) | | 270.00 | 339.57 | 147.15 |
| | | | | | |
| 1332 | 1.25(1.25) | 554.19 | 270.00 | 284.19 | 123.15 |
| 1333 | 1.25(1.25) | 372.40 | 200.00 | 172.40 | 74.71 |
| 1334 | 1.25(1.25) | 533.20 | 340.00 | 193.20 | 83.72 |
| 1335 | 1.25(1.25) | | 190.00 | 262.09 | 113.57 |
| | | | | | |
| 1336 | 1.25(1.25) | | 230.00 | 184.86 | 80.11 |
| 1337 | 1.25(1.25) | | 185.00 | 202.71 | 87.84 |
| 1338 | 1.25(1.25) | 480.45 | 290.00 | 190.45 | 82.53 |
| 1339 | 1.25(1.25) | | 400.00 | 68.49 | 29.68 |
| | | | | | |
| 1340 | 1.25(1.25) | | 260.00 | 154.47 | 66.94 |
| 1341 | 1,25(1,25) | | 185.00 | 196.80 | 85.28 |
| 1342 | 1.25(1.25) | 383.17 | 280.00 | 103.17 | 44.71 |
| 1344 | 1.25(1.25) | | 340.00 | 128.84 | 55.83 |
| | 1.25(1.25) | | 240.00 | 192.84 | 83.57 |
| 1346 | | | | | |
| 1347 | 1.25(1.25) | | 190.00 | 181.45 | 78.63 |
| 1348 | 1.25(1.25) | 412.47 | 240.00 | 172.47 | 74.74 |
| 1349 | 1.25(1.25) | | 330.00 | 76.81 | 33.29 |
| | 1.25(1.25) | | 200.00 | 134.89 | 58.45 |
| 1350 | | | | | |
| 1351 | 1.25(1.25) | | 340.00 | 168.17 | 72.88 |
| 1352 | 1.25(1.25) | 576.83 | 350.00 | 226.83 | 98.29 |
| 1353 | 1.25(1.25) | 568.97 | 320.00 | 248.97 | 107.89 |
| 1355 | 1.25(1.25) | | 340.00 | 197.13 | 85.42 |
| | | | | | |
| 1356 | 1.25(1.25) | 373.23 | 190.00 | 183.23 | 79.40 |
| | | | | | |

| 1357 | 1.25(1.25) | 387.59 | 195.00 | 192.59 | 83.46 |
|------|------------|--------|--------|--------|--------|
| 1358 | 1.25(1.25) | 386.88 | 185.00 | 201.88 | 87.48 |
| 1363 | 1.25(1.25) | | 360.00 | 112.70 | 48.83 |
| | | | | | |
| 1364 | 1.25(1.25) | | 270.00 | 158.43 | 68.65 |
| 1365 | 1.25(1.25) | 507.77 | 370.00 | 137.77 | 59.70 |
| 1366 | 1.25(1.25) | 384.78 | 185.00 | 199.78 | 86.57 |
| | | | | | |
| 1367 | 1.25(1.25) | | 330.00 | 172.89 | 74.92 |
| 1369 | 1.25(1.25) | 509.47 | 380.00 | 129.47 | 56.10 |
| 1370 | 1.25(1.25) | 622.22 | 320.00 | 302.22 | 130.96 |
| | 1.25(1.25) | | 320.00 | | |
| 1371 | | | | 300.44 | 130.19 |
| 1372 | 1.25(1.25) | 400.11 | 220.00 | 180.11 | 78.05 |
| 1373 | 1.25(1.25) | 458.09 | 260.00 | 198.09 | 85.84 |
| 1374 | 1.25(1.25) | | 280.00 | 188.79 | 81.81 |
| | | | | | |
| 1375 | 1.25(1.25) | | 210.00 | 189.77 | 82.23 |
| 1377 | 1.25(1.25) | 400.28 | 240.00 | 160.28 | 69.46 |
| 1378 | 1.25(1.25) | 495.65 | 320.00 | 175.65 | 76.11 |
| | 1.25(1.25) | | | | |
| 1379 | | | 290.00 | 264.27 | 114.52 |
| 1380 | 1.25(1.25) | 473.39 | 270.00 | 203.39 | 88.13 |
| 1382 | 1.25(1.25) | 437.19 | 300.00 | 137.19 | 59.45 |
| 1383 | 1.25(1.25) | | 290.00 | 148.14 | 64.20 |
| | | | | | |
| 1384 | 1.25(1.25) | | 260.00 | 294.75 | 127.73 |
| 1386 | 1.25(1.25) | 560.65 | 280.00 | 280.65 | 121.61 |
| 1387 | 1.25(1.25) | | 270.00 | 194.71 | 84.37 |
| | | | | | |
| 1388 | 1.25(1.25) | | 270.00 | 194.10 | 84.11 |
| 1390 | 1.25(1.25) | 468.51 | 390.00 | 78.51 | 34.02 |
| 1391 | 1.25(1.25) | 458.67 | 270.00 | 188.67 | 81.76 |
| 1392 | 1.25(1.25) | | 185.00 | 202.33 | 87.68 |
| | | | | | |
| 1393 | 1.25(1.25) | | 290.00 | 91.19 | 39.52 |
| 1394 | 1.25(1.25) | 387.81 | 195.00 | 192.81 | 83.55 |
| 1397 | 1.25(1.25) | 621.74 | 320.00 | 301.74 | 130.75 |
| 1399 | 1.25(1.25) | | 195.00 | 194.63 | 84.34 |
| | | | | | |
| 1402 | 1.25(1.25) | | 230.00 | 135.40 | 58.67 |
| 1403 | 1.25(1.25) | 510.72 | 380.00 | 130.72 | 56.65 |
| 1404 | 1.25(1.25) | 387.25 | 185.00 | 202.25 | 87.64 |
| 1406 | 1.25(1.25) | 558.85 | 480.00 | 78.85 | 34.17 |
| | 1.25(1.25) | | 300.00 | | |
| 1408 | | | | 139.53 | 60.46 |
| 1409 | 1.25(1.25) | 436.46 | 400.00 | 36.46 | 15.80 |
| 1410 | 1.25(1.25) | 508.88 | 370.00 | 138.88 | 60.18 |
| 1411 | 1.25(1.25) | 509.90 | 310.00 | 199.90 | 86.62 |
| 1413 | 1.25(1.25) | | 360.00 | 149.34 | 64.71 |
| | | | | | |
| 1414 | 1.25(1.25) | | 310.00 | 192.17 | 83.28 |
| 1415 | 1.25(1.25) | 327.77 | 185.00 | 142.77 | 61.87 |
| 1416 | 1.25(1.25) | 473.55 | 380.00 | 93.55 | 40.54 |
| 1417 | 1.25(1.25) | 387.02 | 185.00 | 202.02 | 87.54 |
| | | | | | |
| 1418 | 1.25(1.25) | | 320.00 | 183.25 | 79.41 |
| 1419 | 1.25(1.25) | 380.36 | 290.00 | 90.36 | 39.15 |
| 1420 | 1.25(1.25) | 400.52 | 215.00 | 185.52 | 80.39 |
| 1422 | 1.25(1.25) | | 410.00 | 97.48 | 42.24 |
| | | | | | |
| 1423 | 1.25(1.25) | | 270.00 | 151.67 | 65.73 |
| 1424 | 1.25(1.25) | 383.91 | 190.00 | 193.91 | 84.03 |
| 1427 | 1.25(1.25) | 439.92 | 300.00 | 139.92 | 60.63 |
| 1428 | 1.25(1.25) | 366.11 | 220.00 | 146.11 | 63.32 |
| | | 306.28 | | 106.28 | |
| 1430 | 1.25(1.25) | | 200.00 | | 46.05 |
| 1431 | 1.25(1.25) | 506.53 | 360.00 | 146.53 | 63.50 |
| 1432 | 1.25(1.25) | 383.62 | 185.00 | 198.62 | 86.07 |
| 1433 | 1.25(1.25) | 334.51 | 185.00 | 149.51 | 64.79 |
| | 1.25(1.25) | | | | |
| 1434 | | 625.91 | 460.00 | 165.91 | 71.89 |
| 1435 | 1.25(1.25) | 506.01 | 350.00 | 156.01 | 67.60 |
| 1436 | 1.25(1.25) | 504.52 | 325.00 | 179.52 | 77.79 |
| 1437 | 1.25(1.25) | 381.51 | 190.00 | 191.51 | 82.99 |
| | 1.25(1.25) | | | | |
| 1438 | | 437.97 | 190.00 | 247.97 | 107.45 |
| 1439 | 1.25(1.25) | | 400.00 | 81.60 | 35.36 |
| 1441 | 1.25(1.25) | 387.63 | 195.00 | 192.63 | 83.47 |
| 1443 | 1.25(1.25) | | 247.00 | 99.80 | 43.24 |
| | 1.25(1.25) | | | | |
| 1444 | • | 492.76 | 315.00 | 177.76 | 77.03 |
| 1446 | 1.25(1.25) | 450.93 | 248.00 | 202.93 | 87.94 |
| 1448 | 1.25(1.25) | 310.05 | 210.00 | 100.05 | 43.35 |
| 1449 | 1.25(1.25) | | 200.00 | 247.66 | 107.32 |
| | 1.25(1.25) | 388.62 | 220.00 | 168.62 | 73.07 |
| 1452 | | | | | |
| 1453 | 1.25(1.25) | | 220.00 | 158.44 | 68.66 |
| 1454 | 1.25(1.25) | 608.52 | 320.00 | 288.52 | 125.03 |
| | | | | | |

| 1458 | 1.25(1.25) | 345.02 | 200.00 | 145.02 | 62.84 |
|------|------------|--------|--------|--------|-------------------|
| 1459 | 1.25(1.25) | | 320.00 | 227.09 | 98.41 |
| | | | | | |
| 1460 | 1.25(1.25) | 538.15 | 300.00 | 238.15 | 103.20 |
| 1461 | 1.25(1.25) | 375.23 | 330.00 | 45.23 | 19.60 |
| | | | | | |
| 1464 | 1.25(1.25) | 5/5./2 | 370.00 | 205.72 | 89.14 |
| 1465 | 1.25(1.25) | 359.02 | 290.00 | 69.02 | 29.91 |
| 1467 | 1.25(1.25) | | 290.00 | 191.39 | 82.94 |
| | | | | | |
| 1468 | 1.25(1.25) | 366.38 | 200.00 | 166.38 | 72.10 |
| 1472 | 1.25(1.25) | 511.82 | 340.00 | 171.82 | 74.45 |
| | | | | | |
| 1473 | 1.25(1.25) | | 210.00 | 140.39 | 60.83 |
| 1474 | 1.25(1.25) | 321.25 | 190.00 | 131.25 | 56.87 |
| 1475 | 1.25(1.25) | 482 73 | 200.00 | 282.73 | 122.52 |
| | | | | | |
| 1476 | 1.25(1.25) | 482.34 | 200.00 | 282.34 | 122.35 |
| 1477 | 1.25(1.25) | 349.31 | 250.00 | 99.31 | 43.03 |
| 1478 | 1.25(1.25) | | 250.00 | 101.43 | 43.95 |
| | | | | | |
| 1479 | 1.25(1.25) | 481.10 | 185.00 | 296.10 | 128.31 |
| 1480 | 1.25(1.25) | 553.89 | 280.00 | 273.89 | 118.68 |
| | 1.25(1.25) | | 200.00 | 127.21 | |
| 1481 | | | | | 55.13 |
| 1482 | 1.25(1.25) | 387.53 | 202.00 | 185.53 | 80.40 |
| 1483 | 1.25(1.25) | 400.21 | 230.00 | 170.21 | 73.76 |
| | | | | | |
| 1484 | 1.25(1.25) | | 280.00 | 281.34 | 121.92 |
| 1486 | 1.25(1.25) | 387.49 | 190.00 | 197.49 | 85.58 |
| 1487 | 1.25(1.25) | 338 11 | 210.00 | 128.11 | 55.52 |
| | | | | | |
| 1488 | 1.25(1.25) | 458.51 | 260.00 | 198.51 | 86.02 |
| 1490 | 1.25(1.25) | 567.90 | 280.00 | 287.90 | 124.76 |
| 1491 | 1.25(1.25) | | 250.00 | 126.91 | 55.00 |
| | | | | | |
| 1492 | 1.25(1.25) | 624.74 | 300.00 | 324.74 | 140.72 |
| 1494 | 1.25(1.25) | 510.32 | 320.00 | 190.32 | 82.47 |
| | | | | | |
| 1495 | 1.25(1.25) | | 190.00 | 130.87 | 56.71 |
| 1496 | 1.25(1.25) | 384.24 | 190.00 | 194.24 | 84.17 |
| 1497 | 1.25(1.25) | 382.61 | 185.00 | 197.61 | 85.63 |
| | | | | | |
| 1499 | 1.25(1.25) | | 185.00 | 296.89 | 128.65 |
| 1501 | 1.25(1.25) | 538.23 | 280.00 | 258.23 | 111.90 |
| 1502 | 1.25(1.25) | 387.65 | 190.00 | 197.65 | 85.65 |
| | | | | | |
| 1503 | 1.25(1.25) | 480.89 | 185.00 | 295.89 | 128.22 |
| 1504 | 1.25(1.25) | 438.07 | 290.00 | 148.07 | 64.17 |
| 1505 | 1.25(1.25) | 218 06 | 190.00 | 128.96 | 55.88 |
| | | | | | |
| 1506 | 1.25(1.25) | 441.69 | 270.00 | 171.69 | 74.40 |
| 1507 | 1.25(1.25) | 503.84 | 360.00 | 143.84 | 62.33 |
| | 1.25(1.25) | | 210.00 | | 60.76 |
| 1508 | | | | 140.23 | |
| 1509 | 1.25(1.25) | 535.68 | 340.00 | 195.68 | 84.80 |
| 1510 | 1.25(1.25) | 507.78 | 340.00 | 167.78 | 72.70 |
| | | | | | 105.91 |
| 1511 | 1.25(1.25) | | 310.00 | 244.42 | |
| 1513 | 1.25(1.25) | 410.29 | 240.00 | 170.29 | 73.7 9 |
| 1514 | 1.25(1.25) | 335.70 | 200.00 | 135.70 | 58.80 |
| | | | | | |
| 1516 | 1.25(1.25) | | 270.00 | 171.75 | 74.43 |
| 1517 | 1.25(1.25) | 344.99 | 260.00 | 84.99 | 36.83 |
| 1518 | 1.25(1.25) | 492.92 | 300.00 | 192.92 | 83.60 |
| | | | | | |
| 1519 | 1.25(1.25) | | 300.00 | 218.83 | 94.83 |
| 1520 | 1.25(1.25) | 357.58 | 250.00 | 107.58 | 46.62 |
| 1521 | 1.25(1.25) | 508.43 | 355.00 | 153.43 | 66.49 |
| | 1.25(1.25) | | 220.00 | | 55.91 |
| 1522 | | | | 129.03 | |
| 1524 | 1.25(1.25) | 408.02 | 220.00 | 188.02 | 81.47 |
| 1525 | 1.25(1.25) | 473.44 | 370.00 | 103.44 | 44.83 |
| | | | | | |
| 1527 | 1.25(1.25) | | 190.00 | 295.89 | 128.22 |
| 1529 | 1.25(1.25) | 455.88 | 330.00 | 125.88 | 54.55 |
| 1532 | 1.25(1.25) | 384.19 | 210.00 | 174.19 | 75.48 |
| | | | | | |
| 1533 | 1.25(1.25) | 472.62 | 270.00 | 202.62 | 87.80 |
| 1534 | 1.25(1.25) | 472.32 | 370.00 | 102.32 | 44.34 |
| 1535 | 1.25(1.25) | | 190.00 | 140.18 | 60.75 |
| | | | | | |
| 1537 | 1.25(1.25) | 481.08 | 185.00 | 296.08 | 128.30 |
| 1539 | 1.25(1.25) | 408.77 | 220.00 | 188.77 | 81.80 |
| | | | | | |
| 1540 | 1.25(1.25) | | 200.00 | 187.64 | 81.31 |
| 1541 | 1.25(1.25) | 502.84 | 225.00 | 277.84 | 120.40 |
| 1542 | 1.25(1.25) | 382.36 | 185.00 | 197.36 | 85.52 |
| | | | | | |
| 1543 | 1.25(1.25) | | 190.00 | 179.84 | 77.93 |
| 1544 | 1.25(1.25) | 521.52 | 305.00 | 216.52 | 93.83 |
| 1545 | 1.25(1.25) | 549.85 | 330.00 | 219.85 | 95.27 |
| | | | | | |
| 1546 | 1.25(1.25) | 400.22 | 230.00 | 170.22 | 73.76 |
| 1547 | 1.25(1.25) | 637.66 | 340.00 | 297.66 | 128.99 |
| | | | | | |
| 1548 | 1.25(1.25) | 388.17 | 231.00 | 157.17 | 68.11 |
| | | | | | |

| 1549 | 1.25(1.25) | 504.88 | 310.00 | 194.88 | 84.45 |
|------|------------|--------|--------|--------|--------|
| 1550 | 1.25(1.25) | 574.39 | 285.00 | 289.39 | 125.40 |
| | • | | | | |
| 1551 | 1.25(1.25) | | 240.00 | 314.47 | 136.27 |
| 1552 | 1.25(1.25) | 437.71 | 290.00 | 147.71 | 64.01 |
| 1553 | 1.25(1.25) | 500.53 | 340.00 | 160.53 | 69.56 |
| 1554 | 1.25(1.25) | | 195.00 | 193.27 | 83.75 |
| | | | | | |
| 1555 | 1.25(1.25) | 451.85 | 330.00 | 121.85 | 52.80 |
| 1556 | 1.25(1.25) | 400.75 | 225.00 | 175.75 | 76.16 |
| 1557 | 1.25(1.25) | 523.67 | 310.00 | 213.67 | 92.59 |
| | | | | | |
| 1560 | 1.25(1.25) | | 225.00 | 245.51 | 106.39 |
| 1561 | 1.25(1.25) | 514.19 | 300.00 | 214.19 | 92.82 |
| 1562 | 1.25(1.25) | 666.31 | 400.00 | 266.31 | 115.40 |
| | 1.25(1.25) | | 320.00 | 173.92 | 75.37 |
| 1564 | | | | | |
| 1565 | 1.25(1.25) | 519.21 | 290.00 | 229.21 | 99.32 |
| 1566 | 1.25(1.25) | 554.26 | 290.00 | 264.26 | 114.51 |
| 1568 | 1.25(1.25) | | 220.00 | 168.00 | 72.80 |
| | | | | | |
| 1569 | 1.25(1.25) | 387.43 | 190.00 | 197.43 | 85.55 |
| 1570 | 1.25(1.25) | 383.64 | 185.00 | 198.64 | 86.08 |
| 1571 | 1.25(1.25) | 505 29 | 340.00 | 165.29 | 71.63 |
| | | | | | |
| 1572 | 1.25(1.25) | | 240.00 | 314.52 | 136.29 |
| 1574 | 1.25(1.25) | 414.69 | 210.00 | 204.69 | 88.70 |
| 1576 | 1.25(1.25) | 504.62 | 360.00 | 144.62 | 62.67 |
| | 1.25(1.25) | | 280.00 | 186.07 | |
| 1577 | | | | | 80.63 |
| 1578 | 1.25(1.25) | | 380.00 | 274.45 | 118.93 |
| 1579 | 1.25(1.25) | 473.44 | 370.00 | 103.44 | 44.82 |
| 1580 | 1.25(1.25) | | 330.00 | 208.83 | 90.49 |
| | | | | | |
| 1581 | 1.25(1.25) | | 210.00 | 115.85 | 50.20 |
| 1582 | 1.25(1.25) | 587.49 | 340.00 | 247.49 | 107.25 |
| 1583 | 1.25(1.25) | 332.92 | 190.00 | 142.92 | 61.93 |
| 1584 | 1.25(1.25) | | 210.00 | 177.78 | 77.04 |
| | | | | | |
| 1585 | 1.25(1.25) | | 260.00 | 85.40 | 37.01 |
| 1586 | 1.25(1.25) | 480.90 | 185.00 | 295.90 | 128.22 |
| 1588 | 1.25(1.25) | 421.83 | 270.00 | 151.83 | 65.79 |
| 1589 | 1.25(1.25) | | 220.00 | 188.76 | 81.80 |
| | | | | | |
| 1590 | 1.25(1.25) | | 190.00 | 290.62 | 125.94 |
| 1591 | 1.25(1.25) | 481.00 | 190.00 | 291.00 | 126.10 |
| 1592 | 1.25(1.25) | 554.47 | 240.00 | 314.47 | 136.27 |
| 1593 | 1.25(1.25) | | 250.00 | 304.36 | 131.89 |
| | | | | | |
| 1594 | 1.25(1.25) | | 231.00 | 157.12 | 68.09 |
| 1595 | 1.25(1.25) | 505.02 | 320.00 | 185.02 | 80.18 |
| 1596 | 1.25(1.25) | 482.71 | 100.00 | 382.71 | 165.84 |
| 1597 | 1.25(1.25) | 520.05 | 300.00 | 220.05 | 95.36 |
| | 1.25(1.25) | | 340.00 | 242.63 | 105.14 |
| 1599 | | | | | |
| 1600 | 1.25(1.25) | 340.67 | 200.00 | 140.67 | 60.96 |
| 1601 | 1.25(1.25) | 387.54 | 185.00 | 202.54 | 87.77 |
| 1603 | 1.25(1.25) | 387.17 | 185.00 | 202.17 | 87.61 |
| 1604 | 1.25(1.25) | | 220.00 | 129.02 | 55.91 |
| | | | | | |
| 1605 | 1.25(1.25) | | 310.00 | 255.21 | 110.59 |
| 1607 | 1.25(1.25) | 555.96 | 330.00 | 225.96 | 97.92 |
| 1608 | 1.25(1.25) | 458.29 | 280.00 | 178.29 | 77.26 |
| 1610 | 1.25(1.25) | | 210.00 | 134.62 | 58.34 |
| | | | | | |
| 1611 | 1.25(1.25) | | 185.00 | 202.93 | 87.94 |
| 1613 | 1.25(1.25) | 381.04 | 320.00 | 61.04 | 26.45 |
| 1616 | 1.25(1.25) | 324.95 | 200.00 | 124.95 | 54.14 |
| | 1.25(1.25) | | 190.00 | | 64.43 |
| 1617 | | | | 148.67 | |
| 1619 | 1.25(1.25) | | 190.00 | 128.17 | 55.54 |
| 1621 | 1.25(1.25) | 508.13 | 355.00 | 153.13 | 66.36 |
| 1622 | 1.25(1.25) | 444.88 | 300.00 | 144.88 | 62.78 |
| | 1.25(1.25) | | 280.00 | 163.51 | 70.85 |
| 1623 | | | | | |
| 1624 | 1.25(1.25) | | 280.00 | 164.00 | 71.07 |
| 1625 | 1.25(1.25) | 335.01 | 200.00 | 135.01 | 58.50 |
| 1626 | 1.25(1.25) | | 190.00 | 143.07 | 62.00 |
| | 1.25(1.25) | | 200.00 | | 86.03 |
| 1630 | | | | 198.53 | |
| 1633 | 1.25(1.25) | | 270.00 | 340.19 | 147.41 |
| 1635 | 1.25(1.25) | 510.27 | 385.00 | 125.27 | 54.28 |
| 1636 | 1.25(1.25) | | 310.00 | 180.64 | 78.28 |
| | 1.25(1.25) | | 190.00 | 197.77 | 85.70 |
| 1637 | | | | | |
| 1638 | 1.25(1.25) | | 200.00 | 238.85 | 103.50 |
| 1639 | 1.25(1.25) | 397.31 | 200.00 | 197.31 | 85.50 |
| 1640 | 1.25(1.25) | | 300.00 | 192.08 | 83.24 |
| | | | | | |
| 1641 | 1.25(1.25) | 538.13 | 300.00 | 238.13 | 103.19 |
| | | | | | |

| 4.540 | 3 OF (1 OF) | 004 50 | | 406 50 | |
|-------|-------------|--------|--------|--------|--------|
| 1642 | 1.25(1.25) | 376.73 | 250.00 | 126.73 | 54.91 |
| 1644 | 1.25(1.25) | | 260.00 | 164.00 | 71.07 |
| 1645 | 1.25(1.25) | 535.12 | 340.00 | 195.12 | 84.55 |
| 1646 | 1.25(1.25) | 625.22 | 530.00 | 95.22 | 41.26 |
| 1647 | 1.25(1.25) | 534.99 | 340.00 | 194.99 | 84.50 |
| 1648 | 1.25(1.25) | | 230.00 | 144.91 | 62.79 |
| | | | | | |
| 1650 | 1.25(1.25) | | 310.00 | 200.60 | 86.92 |
| 1651 | 1.25(1.25) | | 250.00 | 222.38 | 96.36 |
| 1652 | 1.25(1.25) | 352.23 | 260.00 | 92.23 | 39.97 |
| 1653 | 1.25(1.25) | 483.46 | 195.00 | 288.46 | 125.00 |
| 1654 | 1.25(1.25) | 539.76 | 260.00 | 279.76 | 121.23 |
| 1655 | 1.25(1.25) | | 200.00 | 170.74 | 73.99 |
| | 1.25(1.25) | | | | |
| 1656 | | | 270.00 | 89.13 | 38.62 |
| 1657 | 1.25(1.25) | | 300.00 | 86.07 | 37.30 |
| 1658 | 1.25(1.25) | 387.49 | 300.00 | 87.49 | 37.91 |
| 1659 | 1.25(1.25) | 400.07 | 220.00 | 180.07 | 78.03 |
| 1660 | 1.25(1.25) | 463.04 | 280.00 | 183.04 | 79.32 |
| 1661 | 1.25(1.25) | 489.27 | 300.00 | 189.27 | 82.02 |
| 1662 | 1.25(1.25) | | 270.00 | 188.48 | 81.68 |
| | | | | | |
| 1664 | 1.25(1.25) | | 230.00 | 156.23 | 67.70 |
| 1665 | 1.25(1.25) | | 195.00 | 289.70 | 125.54 |
| 1668 | 1.25(1.25) | 383.41 | 190.00 | 193.41 | 83.81 |
| 1669 | 1.25(1.25) | 338.06 | 200.00 | 138.06 | 59.83 |
| 1670 | 1.25(1.25) | 471.92 | 310.00 | 161.92 | 70.17 |
| 1671 | 1.25(1.25) | | 210.00 | 115.85 | 50.20 |
| 1672 | 1.25(1.25) | | 240.00 | | 63.61 |
| | | | | 146.79 | |
| 1674 | 1.25(1.25) | | 230.00 | 127.17 | 55.11 |
| 1675 | 1.25(1.25) | | 300.00 | 257.41 | 111.54 |
| 1677 | 1.25(1.25) | 375.61 | 330.00 | 45.61 | 19.77 |
| 1678 | 1.25(1.25) | 357.67 | 270.00 | 87.67 | 37.99 |
| 1679 | 1.25(1.25) | | 230.00 | 133.41 | 57.81 |
| 1680 | 1.25(1.25) | | 220.00 | 155.02 | 67.18 |
| | 1.25(1.25) | | | | |
| 1681 | | | 270.00 | 188.65 | 81.75 |
| 1683 | 1.25(1.25) | | 260.00 | 85.88 | 37.22 |
| 1684 | 1.25(1.25) | 427.21 | 250.00 | 177.21 | 76.79 |
| 1685 | 1.25(1.25) | 427.17 | 250.00 | 177.17 | 76.78 |
| 1686 | 1.25(1.25) | 381.48 | 185.00 | 196.48 | 85.14 |
| 1687 | 1.25(1.25) | 565.43 | 245.00 | 320.43 | 138.85 |
| 1688 | 1.25(1.25) | | 330.00 | 225.96 | 97.91 |
| 1689 | 1.25(1.25) | | 270.00 | 191.79 | 83.11 |
| | | | | | |
| 1690 | 1.25(1.25) | | 200.00 | 129.37 | 56.06 |
| 1691 | 1.25(1.25) | | 220.00 | 180.25 | 78.11 |
| 1692 | 1.25(1.25) | 471.09 | 240.00 | 231.09 | 100.14 |
| 1693 | 1.25(1.25) | 574.15 | 340.00 | 234.15 | 101.46 |
| 1694 | 1.25(1.25) | 565.63 | 330.00 | 235.63 | 102.10 |
| 1695 | 1.25(1.25) | 370.28 | 180.00 | 190.28 | 82.46 |
| 1696 | 1.25(1.25) | | 190.00 | 261.89 | 113.49 |
| | | | | | 81.47 |
| 1697 | 1.25(1.25) | | 330.00 | 188.01 | |
| 1698 | 1.25(1.25) | 530.37 | 330.00 | 200.37 | 86.83 |
| 1699 | 1.25(1.25) | 506.16 | 310.00 | 196.16 | 85.00 |
| 1700 | 1.25(1.25) | 396.70 | 300.00 | 96.70 | 41.90 |
| 1703 | 1.25(1.25) | 455.96 | 330.00 | 125.96 | 54.58 |
| 1704 | 1.25(1.25) | 428.16 | 260.00 | 168.16 | 72.87 |
| 1705 | 1.25(1.25) | 376.71 | 250.00 | 126.71 | 54.91 |
| | 1.25(1.25) | 321.68 | 190.00 | 131.68 | 57.06 |
| 1706 | | | | | |
| 1707 | 1.25(1.25) | 326.86 | 210.00 | 116.86 | 50.64 |
| 1708 | 1.25(1.25) | 555.17 | 330.00 | 225.17 | 97.57 |
| 1710 | 1.25(1.25) | 338.01 | 210.00 | 128.01 | 55.47 |
| 1713 | 1.25(1.25) | 526.75 | 360.00 | 166.75 | 72.26 |
| 1714 | 1.25(1.25) | 479.19 | 330.00 | 149.19 | 64.65 |
| 1716 | 1.25(1.25) | 567.88 | 280.00 | 287.88 | 124.75 |
| | 1.25(1.25) | 504.45 | 350.00 | | 66.93 |
| 1717 | | | | 154.45 | |
| 1718 | 1.25(1.25) | 481.41 | 310.00 | 171.41 | 74.28 |
| 1719 | 1.25(1.25) | 558.66 | 300.00 | 258.66 | 112.09 |
| 1720 | 1.25(1.25) | 408.92 | 220.00 | 188.92 | 81.87 |
| 1721 | 1.25(1.25) | 408.81 | 230.00 | 178.81 | 77.48 |
| 1722 | 1.25(1.25) | 306.40 | 200.00 | 106.40 | 46.11 |
| 1724 | 1.25(1.25) | 332.47 | 185.00 | 147.47 | 63.90 |
| | | | | | |
| 1725 | 1.25(1.25) | | 250.00 | 217.52 | 94.26 |
| 1726 | 1.25(1.25) | 309.68 | 220.00 | 89.68 | 38.86 |
| 1727 | 1.25(1.25) | 324.04 | 190.00 | 134.04 | 58.09 |
| | | | | | |

| 1.00 | 2 05 (2 05) | | | | |
|------|-------------|--------|--------|--------|--------|
| 1728 | 1.25(1.25) | | 220.00 | 189.81 | 82.25 |
| 1729 | 1.25(1.25) | | 180.00 | 238.24 | 103.24 |
| 1732 | 1.25(1.25) | 358.02 | 290.00 | 68.02 | 29.48 |
| 1733 | 1.25(1.25) | 306.17 | 210.00 | 96.17 | 41.67 |
| 1734 | 1.25(1.25) | | 315.00 | 180.43 | 78.18 |
| 1735 | 1.25(1.25) | | 240.00 | 129.72 | |
| | | | | | 56.21 |
| 1736 | 1.25(1.25) | | 185.00 | 196.74 | 85.25 |
| 1737 | 1.25(1.25) | 338.02 | 200.00 | 138.02 | 59.81 |
| 1738 | 1.25(1.25) | 520.44 | 300.00 | 220.44 | 95.52 |
| 1740 | 1.25(1.25) | 397.63 | 190.00 | 207.63 | 89.97 |
| 1741 | 1.25(1.25) | | 205.00 | 201.68 | 87.39 |
| | | | | | |
| 1742 | 1.25(1.25) | | 190.00 | 206.45 | 89.46 |
| 1744 | 1.25(1.25) | | 220.00 | 203.38 | 88.13 |
| 1745 | 1.25(1.25) | 433.54 | 265.00 | 168.54 | 73.03 |
| 1746 | 1.25(1.25) | 441.69 | 270.00 | 171.69 | 74.40 |
| 1747 | 1.25(1.25) | 407.83 | 210.00 | 197.83 | 85.73 |
| 1748 | 1.25(1.25) | | 200.00 | 203.33 | 88.11 |
| | | | | | |
| 1749 | 1.25(1.25) | | 210.00 | 195.84 | 84.87 |
| 1750 | 1.25(1.25) | | 200.00 | 195.07 | 84.53 |
| 1751 | 1.25(1.25) | 418.98 | 220.00 | 198.98 | 86.22 |
| 1752 | 1.25(1.25) | 418.99 | 220.00 | 198.99 | 86.23 |
| 1753 | 1.25(1.25) | 395.74 | 180.00 | 215.74 | 93.49 |
| 1755 | 1.25(1.25) | | 205.00 | 201.37 | 87.26 |
| | | | | | |
| 1756 | 1.25(1.25) | | 330.00 | 125.87 | 54.54 |
| 1758 | 1.25(1.25) | 392.26 | 180.00 | 212.26 | 91.98 |
| 1759 | 1.25(1.25) | 391.24 | 180.00 | 211.24 | 91.54 |
| 1760 | 1.25(1.25) | 395.10 | 190.00 | 205.10 | 88.87 |
| 1761 | 1.25(1.25) | | 180.00 | 215.10 | 93.21 |
| | 1.25(1.25) | | | | |
| 1762 | | | 190.00 | 205.13 | 88.89 |
| 1763 | 1.25(1.25) | | 190.00 | 205.12 | 88.89 |
| 1764 | 1.25(1.25) | 511.83 | 310.00 | 201.83 | 87.46 |
| 1765 | 1.25(1.25) | 473.10 | 260.00 | 213.10 | 92.34 |
| 1766 | 1.25(1.25) | 487.56 | 280.00 | 207.56 | 89.94 |
| 1767 | 1.25(1.25) | | 290.00 | 193.72 | 83.95 |
| | | | | | |
| 1768 | 1.25(1.25) | | 315.00 | 184.28 | 79.86 |
| 1769 | 1.25(1.25) | | 280.00 | 197.41 | 85.55 |
| 1770 | 1.25(1.25) | 489.60 | 300.00 | 189.60 | 82.16 |
| 1771 | 1.25(1.25) | 453.66 | 240.00 | 213.66 | 92.58 |
| 1772 | 1.25(1.25) | 477.23 | 280.00 | 197.23 | 85.47 |
| 1773 | 1.25(1.25) | | 185.00 | 147.47 | 63.90 |
| | | | | | |
| 1774 | 1.25(1.25) | | 200.00 | 222.21 | 96.29 |
| 1775 | 1.25(1.25) | | 200.00 | 279.51 | 121.12 |
| 1777 | 1.25(1.25) | 362.91 | 250.00 | 112.91 | 48.93 |
| 1778 | 1.25(1.25) | 475.45 | 270.00 | 205.45 | 89.03 |
| 1779 | 1.25(1.25) | 372.08 | 200.00 | 172.08 | 74.57 |
| 1780 | 1.25(1.25) | | 180.00 | 211.56 | 91.67 |
| 1781 | 1.25(1.25) | | 240.00 | 138.86 | 60.17 |
| | | | | | |
| 1782 | 1.25(1.25) | | 310.00 | 180.74 | 78.32 |
| 1783 | 1.25(1.25) | | 310.00 | 188.30 | 81.60 |
| 1785 | 1.25(1.25) | 493.90 | 315.00 | 178.90 | 77.52 |
| 1786 | 1.25(1.25) | 489.18 | 300.00 | 189.18 | 81.98 |
| 1787 | 1.25(1.25) | | 315.00 | 176.69 | 76.57 |
| 1788 | 1.25(1.25) | | 220.00 | 155.73 | 67.48 |
| | 1.25(1.25) | | | | |
| 1789 | | | 280.00 | 186.48 | 80.81 |
| 1790 | 1.25(1.25) | 381.80 | 185.00 | 196.80 | 85.28 |
| 1791 | 1.25(1.25) | 485.50 | 295.00 | 190.50 | 82.55 |
| 1792 | 1.25(1.25) | 471.64 | 240.00 | 231.64 | 100.38 |
| 1793 | 1.25(1.25) | | 310.00 | 188.42 | 81.65 |
| 1794 | 1.25(1.25) | | 440.00 | 130.40 | 56.51 |
| | | | | | |
| 1795 | 1.25(1.25) | | 310.00 | 180.08 | 78.04 |
| 1796 | 1.25(1.25) | | 315.00 | 183.89 | 79.68 |
| 1797 | 1.25(1.25) | 498.37 | 310.00 | 188.37 | 81.63 |
| 1798 | 1.25(1.25) | 475.55 | 260.00 | 215.55 | 93.41 |
| 1799 | 1.25(1.25) | | 280.00 | 195.30 | 84.63 |
| | | | | | |
| 1800 | 1.25(1.25) | | 185.00 | 295.94 | 128.24 |
| 1801 | 1.25(1.25) | | 295.00 | 192.95 | 83.61 |
| 1802 | 1.25(1.25) | 477.29 | 280.00 | 197.29 | 85.49 |
| 1803 | 1.25(1.25) | 466.56 | 240.00 | 226.56 | 98.18 |
| 1804 | 1.25(1.25) | | 250.00 | 216.80 | 93.95 |
| | 1.25(1.25) | | | | |
| 1805 | | | 330.00 | 126.02 | 54.61 |
| 1806 | 1.25(1.25) | 487.57 | 290.00 | 197.57 | 85.61 |

| 1007 | 1 25/1 25\ | 400 76 | 210 00 | 100 10 | |
|------|------------|--------|--------|--------|--------|
| 1807 | 1.25(1.25) | | 310.00 | 179.16 | 77.64 |
| 1808 | 1.25(1.25) | | 300.00 | 189.22 | 81.99 |
| 1809 | 1.25(1.25) | 630.40 | 460.00 | 170.40 | 73.84 |
| 1810 | 1.25(1.25) | 491.43 | 315.00 | 176.43 | 76.45 |
| 1811 | 1.25(1.25) | 506.15 | 360.00 | 146.15 | 63.33 |
| 1812 | 1.25(1.25) | | 310.00 | 313.23 | 135.73 |
| | 1.25(1.25) | | | | |
| 1815 | | | 340.00 | 118.44 | 51.32 |
| 1816 | 1.25(1.25) | | 300.00 | 222.80 | 96.55 |
| 1818 | 1.25(1.25) | 458.51 | 270.00 | 188.51 | 81.69 |
| 1819 | 1.25(1.25) | 381.94 | 290.00 | 91.94 | 39.84 |
| 1822 | 1.25(1.25) | 385.41 | 190.00 | 195.41 | 84.68 |
| 1824 | 1.25(1.25) | | 190.00 | 176.37 | 76.43 |
| 1825 | 1.25(1.25) | | 220.00 | | |
| | | | | 127.10 | 55.08 |
| 1826 | 1.25(1.25) | | 195.00 | 171.37 | 74.26 |
| 1827 | 1.25(1.25) | 421.72 | 270.00 | 151.72 | 65.75 |
| 1828 | 1.25(1.25) | 381.68 | 185.00 | 196.68 | 85.23 |
| 1829 | 1.25(1.25) | 508.29 | 340.00 | 168.29 | 72.92 |
| 1831 | 1.25(1.25) | 534.24 | 340.00 | 194.24 | 84.17 |
| 1833 | 1.25(1.25) | | 270.00 | 89.16 | 38.64 |
| | | | | | |
| 1834 | 1.25(1.25) | | 250.00 | 107.31 | 46.50 |
| 1835 | 1.25(1.25) | | 360.00 | 148.98 | 64.56 |
| 1836 | 1.25(1.25) | 468.57 | 370.00 | 98.57 | 42.71 |
| 1837 | 1.25(1.25) | 531.03 | 300.00 | 231.03 | 100.11 |
| 1838 | 1.25(1.25) | 457.37 | 270.00 | 187.37 | 81.20 |
| 1839 | 1.25(1.25) | | 250.00 | 126.70 | 54.90 |
| | | | | | |
| 1840 | 1.25(1.25) | | 250.00 | 170.34 | 73.82 |
| 1841 | 1.25(1.25) | | 290.00 | 251.41 | 108.94 |
| 1851 | 1.25(1.25) | | 210.00 | 229.89 | 99.62 |
| 1858 | 1.25(1.25) | 464.36 | 280.00 | 184.36 | 79.89 |
| 1870 | 1.25(1.25) | 383.41 | 190.00 | 193.41 | 83.81 |
| 1876 | 1.25(1.25) | 329.17 | 185.00 | 144.17 | 62.47 |
| 1883 | 1.25(1.25) | | 280.00 | 282.84 | 122.57 |
| | | | | | |
| 1884 | 1.25(1.25) | | 360.00 | 259.73 | 112.55 |
| 1885 | 1.25(1.25) | | 560.00 | 64.45 | 27.93 |
| 1887 | 1.25(1.25) | 592.66 | 420.00 | 172.66 | 74.82 |
| 1888 | 1.25(1.25) | 568.40 | 330.00 | 238.40 | 103.31 |
| 1889 | 1.25(1.25) | 362.83 | 230.00 | 132.83 | 57.56 |
| 1892 | 1.25(1.25) | 341.73 | 200.00 | 141.73 | 61.42 |
| 1893 | 1.25(1.25) | | 220.00 | 129.38 | 56.06 |
| 1894 | 1.25(1.25) | | 225.00 | | 76.11 |
| | | | | 175.64 | |
| 1895 | 1.25(1.25) | | 290.00 | 64.95 | 28.14 |
| 1896 | 1.25(1.25) | | 290.00 | 194.10 | 84.11 |
| 1897 | 1.25(1.25) | 609.18 | 270.00 | 339.18 | 146.98 |
| 1898 | 1.25(1.25) | 381.68 | 185.00 | 196.68 | 85.23 |
| 1899 | 1.25(1.25) | 554.11 | 292.00 | 262.11 | 113.58 |
| 1900 | 1.25(1.25) | | 420.00 | 77.40 | 33.54 |
| 1901 | 1.25(1.25) | | 340.00 | 215.96 | 93.58 |
| | | | | | |
| 1903 | 1.25(1.25) | | 260.00 | 163.35 | 70.78 |
| 1904 | 1.25(1.25) | | 340.00 | 186.19 | 80.68 |
| 1905 | 1.25(1.25) | 505.02 | 360.00 | 145.02 | 62.84 |
| 1906 | 1.25(1.25) | 434.63 | 260.00 | 174.63 | 75.67 |
| 1907 | 1.25(1.25) | 407.33 | 200.00 | 207.33 | 89.84 |
| 1908 | 1.25(1.25) | | 300.00 | 220.45 | 95,53 |
| 1909 | 1.25(1.25) | | 340.00 | 129.93 | 56.30 |
| | 1.25(1.25) | | | | |
| 1910 | | | 290.00 | 90.22 | 39.09 |
| 1911 | 1.25(1.25) | | 300.00 | 260.27 | 112.78 |
| 1912 | 1.25(1.25) | | 390.00 | 185.77 | 80.50 |
| 1913 | 1.25(1.25) | 457.33 | 320.00 | 137.33 | 59.51 |
| 1914 | 1.25(1.25) | 457.27 | 270.00 | 187.27 | 81.15 |
| 1915 | 1.25(1.25) | | 190.00 | 209.43 | 90.75 |
| 1916 | 1.25(1.25) | | 260.00 | 130.56 | 56.57 |
| | | | | | |
| 1917 | 1.25(1.25) | | 210.00 | 140.11 | 60.72 |
| 1918 | 1.25(1.25) | | 190.00 | 197.21 | 85.46 |
| 1919 | 1.25(1.25) | 472.48 | 294.00 | 178.48 | 77.34 |
| 1920 | 1.25(1.25) | 483.45 | 195.00 | 288.45 | 124.99 |
| 1921 | 1.25(1.25) | | 220.00 | 92.13 | 39.93 |
| 1922 | 1.25(1.25) | | 340.00 | 195.32 | 84.64 |
| | | | | | |
| 1925 | 1.25(1.25) | | 190.00 | 292.90 | 126.92 |
| 1926 | 1.25(1.25) | | 200.00 | 199.46 | 86.43 |
| 1927 | 1.25(1.25) | | 200.00 | 199.46 | 86.43 |
| 1928 | 1.25(1.25) | 329.40 | 200.00 | 129.40 | 56.08 |
| | | | | | |

| 1930 | 1.25(1.25) | 563.61 | 315.00 | 248.61 | 107.73 |
|--------------|--------------------------|--------|------------------|------------------|----------------|
| 1931 | 1.25(1.25) | 375.24 | 220.00 | 155.24 | 67.27 |
| 1932 | 1.25(1.25) | 473.49 | 370.00 | 103.49 | 44.84 |
| 1933 | 1.25(1.25) | 372.54 | 210.00 | 162.54 | 70.44 |
| 1934 | 1.25(1.25) | | 310.00 | 230.71 | 99.97 |
| 1935 | 1.25(1.25) | 508.76 | 310.00 | 198.76 | 86.13 |
| 1937 | 1.25(1.25) | 508.51 | 340.00 | 168.51 | 73.02 |
| 1938 | 1.25(1.25) | | 300.00 | 188.04 | 81.48 |
| 1939 | 1.25(1.25) | | 360.00 | 111.42 | 48.28 |
| 1940 | 1.25(1.25) | | 310.00 | 144.85 | 62.77 |
| 1942 | 1.25 (1.25) | | 360.00 | 301.74 | 130.75 |
| 1943 | 1.25(1.25) | | 270.00 | 151.65 | 65.71 |
| 1945 | 1.25(1.25) | | 200.00 | 176.69 | 76.57 |
| 1946 | 1.25(1.25) | | 200.00 | 199.46 | 86.43 |
| 1948 | 1.25(1.25) | | 220.00 | 127.16 | 55.10 |
| 1949 | 1.25(1.25) | | 280.00 | 285.22 | 123.60 |
| 1950 | 1.25(1.25) | | 230.00 | 116.94 | 50.67 |
| 1951 | 1.25(1.25) | | 190.00 | 157.49 | 68.24 |
| 1952 | 1.25(1.25) | | 185.00 | 142.43 | 61.72 |
| 1953 | 1.25(1.25)
1.25(1.25) | | 310.00 | 254.77 | 110.40 |
| 1955 | 1.25(1.25) | | 310.00 | 252.47 | 109.40 |
| 1957
1958 | 1.25(1.25) | | 300.00
210.00 | 161.42
177.76 | 69.95 |
| 1959 | 1.25(1.25) | | 290.00 | 156.34 | 77.03 |
| 1960 | 1.25(1.25) | | 300.00 | 115.11 | 67.75
49.88 |
| 1961 | 1.25(1.25) | | 260.00 | 91.86 | 39.80 |
| 1963 | 1.25(1.25) | | 246.00 | 116.96 | 50.68 |
| 1964 | 1.25(1.25) | | 230.00 | 194.37 | 84.23 |
| 1965 | 1.25(1.25) | | 300.00 | 184.31 | 79.87 |
| 1966 | 1.25(1.25) | | 340.00 | 163.42 | 70.82 |
| 1967 | 1.25(1.25) | | 300.00 | 264.68 | 114.70 |
| 1968 | 1.25(1.25) | | 390.00 | 181.07 | 78.46 |
| 1969 | 1.25(1.25) | | 210.00 | 189.77 | 82.23 |
| 1970 | 1.25(1.25) | 564.70 | 330.00 | 234.70 | 101.71 |
| 1971 | 1.25(1.25) | 459.17 | 340.00 | 119.17 | 51.64 |
| 1972 | 1.25(1.25) | 334.35 | 190.00 | 144.35 | 62.55 |
| 1973 | 1.25(1.25) | 508.05 | 340.00 | 168.05 | 72.82 |
| 1974 | 1.25(1.25) | 374.82 | 200.00 | 174.82 | 75.76 |
| 1975 | 1.25(1.25) | 405.63 | 220.00 | 185.63 | 80.44 |
| 1976 | 1.25(1.25) | | 290.00 | 231.31 | 100.24 |
| 1977 | 1.25(1.25) | | 230.00 | 156.23 | 67.70 |
| 1978 | 1.25(1.25) | | 210.00 | 128.20 | 55.55 |
| 1979 | 1.25(1.25) | | 330.00 | 196.00 | 84.93 |
| 1980 | 1.25(1.25) | | 325.00 | 151.27 | 65.55 |
| 1981 | 1.25(1.25) | | 400.00 | 172.06 | 74.56 |
| 1982 | 1.25(1.25) | | 212.00 | 281.10 | 121.81 |
| 1984 | 1.25(1.25) | | 260.00 | 159.47 | 69.11 |
| 1985 | 1.25(1.25)
1.25(1.25) | | 240.00
340.00 | 203.62
170.58 | 88.24 |
| 1986 | 1.25(1.25) | | 340.00 | 170.56 | 73.92
73.93 |
| 1987
1989 | 1.25(1.25) | | 190.00 | 184.05 | 79.76 |
| 1990 | 1.25(1.25) | | 290.00 | 91.92 | 39.83 |
| 1991 | 1.25(1.25) | | 185.00 | 198.41 | 85.98 |
| 1992 | 1.25(1.25) | | 310.00 | 221.07 | 95.80 |
| 1994 | 1.25(1.25) | | 290.00 | 101.06 | 43.79 |
| 1995 | 1.25(1.25) | | 200.00 | 166.37 | 72.10 |
| 1996 | 1.25(1.25) | | 320.00 | 286.23 | 124.04 |
| 1999 | 1.25(1.25) | | 200.00 | 199.51 | 86.45 |
| 2000 | 1.25(1.25) | | 200.00 | 199.50 | 86.45 |
| 2001 | 1.25(1.25) | | 320.00 | 298.95 | 129.55 |
| 2002 | 1.25(1.25) | | 200.00 | 187.52 | 81.26 |
| 2003 | 1.25(1.25) | | 290.00 | 190.38 | 82.50 |
| 2004 | 1.25(1.25) | 436.36 | 200.00 | 236.36 | 102.42 |
| 2006 | 1.25(1.25) | 508.03 | 330.00 | 178.03 | 77.15 |
| 2007 | 1.25(1.25) | 414.61 | 210.00 | 204.61 | 88.66 |
| 2008 | 1.25(1.25) | 623.58 | 330.00 | 293.58 | 127.22 |
| 2009 | 1.25(1.25) | 579.73 | 355.00 | 224.73 | 97.38 |
| 2010 | 1.25(1.25) | 452.99 | 270.00 | 182.99 | 79.29 |
| 2011 | 1.25(1.25) | | 220.00 | 351.12 | 152.15 |
| 2013 | 1.25(1.25) | | 210.00 | 142.00 | 61.53 |
| 2014 | 1.25(1.25) | 374.64 | 200.00 | 174.64 | 75.68 |
| | | | | | |

| 2015 | 1.25(1.25) | 477.49 | 280.00 | 197.49 | 85.58 |
|------|-------------|--------|--------|--------|--------|
| 2016 | 1.25(1.25) | | 448.00 | 195.86 | 84.87 |
| 2017 | 1.25(1.25) | | 380.00 | 273.85 | 118.67 |
| 2019 | 1.25(1.25) | | 230.00 | 164.42 | 71.25 |
| 2021 | 1.25(1.25) | | 250.00 | 126.87 | 54.98 |
| 2023 | 1.25(1.25) | | 185.00 | 149.82 | 64.92 |
| 2024 | 1.25(1.25) | | 265.00 | 186.15 | |
| | 1.25(1.25) | | 540.00 | | 80.66 |
| 2025 | | | | 84.60 | 36.66 |
| 2028 | 1.25(1.25) | | 315.00 | 248.62 | 107.74 |
| 2029 | 1.25(1.25) | | 410.00 | 248.12 | 107.52 |
| 2030 | 1.25(1.25) | | 250.00 | 131.18 | 56.84 |
| 2031 | 1.25(1.25) | | 330.00 | 232.51 | 100.75 |
| 2032 | 1.25(1.25) | | 190.00 | 138.13 | 59.86 |
| 2033 | 1.25(1.25) | | 190.00 | 264.82 | 114.76 |
| 2035 | 1.25(1.25) | | 190.00 | 197.50 | 85.58 |
| 2037 | 1.25(1.25) | | 220.00 | 220.55 | 95.57 |
| 2038 | 1.25(1.25) | | 200.00 | 283.00 | 122.63 |
| 2039 | 1.25(1.25) | | 250.00 | 113.25 | 49.08 |
| 2040 | 1.25(1.25) | | 470.00 | 155.80 | 67.51 |
| 2041 | 1.25(1.25) | | 215.00 | 185.61 | 80.43 |
| 2042 | 1.25(1.25) | 348.11 | 230.00 | 118.11 | 51.18 |
| 2043 | 1.25(1.25) | 643.52 | 448.00 | 195.52 | 84.72 |
| 2044 | 1.25(1.25) | 362.65 | 230.00 | 132.65 | 57.48 |
| 2045 | 1.25(1.25) | 387.33 | 240.00 | 147.33 | 63.84 |
| 2046 | 1.25(1.25) | 564.08 | 300.00 | 264.08 | 114.43 |
| 2048 | 1.25(1.25) | 538.30 | 280.00 | 258.30 | 111.93 |
| 2051 | 1.25(1.25) | 359.22 | 270.00 | 89.22 | 38.66 |
| 2052 | 1.25(1.25) | 502.17 | 310.00 | 192.17 | 83.27 |
| 2055 | 1.25(1.25) | 567.29 | 350.00 | 217.29 | 94.16 |
| 2056 | 1.25(1.25) | 490.77 | 290.00 | 200.77 | 87.00 |
| 2057 | 1.25(1.25) | 490.70 | 280.00 | 210.70 | 91.30 |
| 2058 | 1.25(1.25) | 490.69 | 270.00 | 220.69 | 95.63 |
| 2059 | 1.25(1.25) | | 185.00 | 202.83 | 87.89 |
| 2060 | 1.25(1.25) | | 210.00 | 177.38 | 76.86 |
| 2061 | 1.25(1.25) | 661.74 | 360.00 | 301.74 | 130.75 |
| 2062 | 1.25 (1.25) | 509.72 | 360.00 | 149.72 | 64.88 |
| 2063 | 1.25(1.25) | 537.52 | 340.00 | 197.52 | 85.59 |
| 2064 | 1.25(1.25) | 387.77 | 200.00 | 187.77 | 81.37 |
| 2065 | 1.25(1.25) | 451.10 | 190.00 | 261.10 | 113.14 |
| 2066 | 1.25(1.25) | 309.83 | 200.00 | 109.83 | 47.59 |
| 2067 | 1.25(1.25) | 625.80 | 470.00 | 155.80 | 67.51 |
| 2068 | 1.25(1.25) | 358.69 | 290.00 | 68.69 | 29.77 |
| 2069 | 1.25(1.25) | 451.12 | 210.00 | 241.12 | 104.48 |
| 2070 | 1.25(1.25) | 582.52 | 310.00 | 272.52 | 118.09 |
| 2071 | 1.25(1.25) | 332.12 | 185.00 | 147.12 | 63.75 |
| 2072 | 1.25(1.25) | 510.96 | 370.00 | 140.96 | 61.08 |
| 2073 | 1.25(1.25) | 327.80 | 185.00 | 142.80 | 61.88 |
| 2075 | 1.25(1.25) | 538.44 | 300.00 | 238.44 | 103.32 |
| 2077 | 1.25(1.25) | 338.22 | 187.00 | 151.22 | 65.53 |
| 2078 | 1.25(1.25) | 569.08 | 310.00 | 259.08 | 112.27 |
| 2079 | 1.25(1.25) | | 290.00 | 174.09 | 75.44 |
| 2080 | 1.25(1.25) | | 185.00 | 203.00 | 87.97 |
| 2081 | 1.25(1.25) | | 280.00 | 136.02 | 58.94 |
| 2082 | 1.25(1.25) | 328.89 | 185.00 | 143.89 | 62.35 |
| 2083 | 1.25(1.25) | | 185.00 | 202.66 | 87.82 |
| 2084 | 1.25(1.25) | | 270.00 | 121.12 | 52.49 |
| 2086 | 1.25(1.25) | | 215.00 | 173.44 | 75.16 |
| 2088 | 1.25(1.25) | | 190.00 | 145.14 | 62.89 |
| 2089 | 1.25(1.25) | | 230.00 | 194.56 | 84.31 |
| 2090 | 1.25(1.25) | | 250.00 | 201.70 | 87.40 |
| 2091 | 1.25(1.25) | | 214.00 | 207.22 | 89.79 |
| 2093 | 1.25(1.25) | | 200.00 | 136.24 | 59.04 |
| 2094 | 1.25(1.25) | | 310.00 | 244.72 | 106.05 |
| 2096 | 1.25(1.25) | | 230.00 | 177.19 | 76.78 |
| 2097 | 1.25(1.25) | | 260.00 | 109.31 | 47.37 |
| 2098 | 1.25(1.25) | | 220.00 | 158.45 | 68.66 |
| 2099 | 1.25(1.25) | | 190.00 | 261.98 | 113.53 |
| 2100 | 1.25(1.25) | 383.80 | 190.00 | 193.80 | 83.98 |
| 2101 | 1.25(1.25) | | 320.00 | 195.79 | 84.84 |
| 2103 | 1.25(1.25) | | 230.00 | 131.64 | 57.04 |
| 2104 | 1.25(1.25) | | 190.00 | 120.18 | 52.08 |
| | , | 320.10 | | 120,10 | 22.00 |

| | 1 05 (1 05) | 400 00 | 222 22 | | |
|------|-------------|--------|--------|--------|---------------|
| 2107 | 1.25(1.25) | | 220.00 | 180.07 | 78.03 |
| 2108 | 1.25(1.25) | 372.83 | 180.00 | 192.83 | 83.56 |
| 2109 | 1.25(1.25) | 493.63 | 310.00 | 183.63 | 79.57 |
| 2110 | 1.25(1.25) | 454.96 | 280.00 | 174.96 | 75.82 |
| 2111 | 1.25(1.25) | | 190.00 | 140.55 | 60.91 |
| | | | | | |
| 2112 | 1.25(1.25) | | 315.00 | 308.84 | 133.83 |
| 2113 | 1.25(1.25) | 325.48 | 190.00 | 135.48 | 58.71 |
| 2115 | 1.25(1.25) | 453.90 | 340.00 | 113.90 | 49.36 |
| 2116 | 1.25(1.25) | 370.13 | 180.00 | 190.13 | 82.39 |
| | 1.25(1.25) | | | | |
| 2117 | | | 240.00 | 160.27 | 69.45 |
| 2118 | 1.25(1.25) | | 340.00 | 166.00 | 71.93 |
| 2120 | 1.25(1.25) | 408.32 | 320.00 | 88.32 | 38.27 |
| 2121 | 1.25(1.25) | 520.41 | 300.00 | 220.41 | 95.5 1 |
| 2123 | 1.25(1.25) | | 420.00 | 150.70 | 65.30 |
| | | | | | |
| 2124 | 1.25(1.25) | | 210.00 | 119.40 | 51.74 |
| 2126 | 1.25(1.25) | | 230.00 | 164.72 | 71.38 |
| 2127 | 1.25(1.25) | 392.54 | 180.00 | 212.54 | 92.10 |
| 2128 | 1.25(1.25) | 347.59 | 190.00 | 157.59 | 68.29 |
| 2129 | 1.25(1.25) | | 185.00 | 147.79 | 64.04 |
| | | | | | |
| 2131 | 1.25(1.25) | | 400.00 | 169.29 | 73.36 |
| 2133 | 1.25(1.25) | 370.96 | 200.00 | 170.96 | 74.08 |
| 2135 | 1.25(1.25) | 484.28 | 200.00 | 284.28 | 123.19 |
| 2138 | 1.25(1.25) | 472.13 | 240.00 | 232.13 | 100.59 |
| | 1.25(1.25) | | | 190.14 | 82.39 |
| 2139 | | | 180.00 | | |
| 2140 | 1.25(1.25) | | 240.00 | 160.18 | 69.41 |
| 2141 | 1.25(1.25) | 610.84 | 270.00 | 340.84 | 147.70 |
| 2142 | 1.25(1.25) | 349.51 | 220.00 | 129.51 | 56.12 |
| 2143 | 1.25(1.25) | | 200.00 | 151.24 | 65.54 |
| | | | | | |
| 2144 | 1.25(1.25) | | 190.00 | 295.82 | 128.19 |
| 2145 | 1.25(1.25) | 568.15 | 230.00 | 338.15 | 146.53 |
| 2147 | 1.25(1.25) | 620.94 | 330.00 | 290.94 | 126.07 |
| 2148 | 1.25(1.25) | 363.73 | 190.00 | 173.73 | 75.28 |
| 2152 | 1.25(1.25) | | 320.00 | 244.59 | 105.99 |
| | | | | | |
| 2153 | 1.25(1.25) | | 185.00 | 148.24 | 64.24 |
| 2154 | 1.25(1.25) | | 300.00 | 228.37 | 98.96 |
| 2155 | 1.25(1.25) | 362.03 | 260.00 | 102.03 | 44.21 |
| 2157 | 1.25(1.25) | 477.28 | 280.00 | 197.28 | 85.49 |
| 2158 | 1.25(1.25) | | 300.00 | 264.83 | 114.76 |
| | 1.25(1.25) | | | | |
| 2160 | | | 200.00 | 125.39 | 54.33 |
| 2161 | 1.25(1.25) | 384.79 | 185.00 | 199.79 | 86.57 |
| 2164 | 1.25(1.25) | 370.77 | 190.00 | 180.77 | 78.34 |
| 2165 | 1.25(1.25) | 318.35 | 190.00 | 128.35 | 55.62 |
| 2166 | 1.25(1.25) | | 280.00 | 154.84 | 67.10 |
| | | | 190.00 | | |
| 2167 | 1.25(1.25) | | | 261.44 | 113.29 |
| 2168 | 1.25(1.25) | | 300.00 | 187.95 | 81.44 |
| 2169 | 1.25(1.25) | 338.02 | 210.00 | 128.02 | 55.47 |
| 2170 | 1.25(1.25) | 346.89 | 230.00 | 116.89 | 50.65 |
| 2172 | 1.25(1.25) | 399.78 | 210.00 | 189.78 | 82.24 |
| 2173 | 1.25(1.25) | | 250.00 | 107.23 | 46.47 |
| | | | | | |
| 2174 | 1.25 (1.25) | | 190.00 | 171.97 | 74.52 |
| 2175 | 1.25(1.25) | | 190.00 | 172.44 | 74.72 |
| 2176 | 1.25(1.25) | 361.31 | 190.00 | 171.31 | 74.24 |
| 2177 | 1.25(1.25) | 361.58 | 190.00 | 171.58 | 74.35 |
| 2178 | 1.25(1.25) | | 190.00 | 172.48 | 74.74 |
| | | | | | |
| 2179 | 1.25(1.25) | | 190.00 | 171.32 | 74.24 |
| 2180 | 1.25(1.25) | 361.40 | 190.00 | 171.40 | 74.2 7 |
| 2181 | 1.25(1.25) | 439.89 | 200.00 | 239.89 | 103.95 |
| 2182 | 1.25(1.25) | 438.99 | 200.00 | 238.99 | 103.56 |
| 2183 | 1.25(1.25) | | 190.00 | 247.94 | 107.44 |
| | | | | | |
| 2185 | 1.25(1.25) | | 450.00 | 118.66 | 51.42 |
| 2186 | 1.25(1.25) | | 200.00 | 171.69 | 74.40 |
| 2188 | 1.25(1.25) | 438.16 | 190.00 | 248.16 | 107.54 |
| 2189 | 1.25(1.25) | | 185.00 | 147.58 | 63.95 |
| 2190 | 1.25(1.25) | | 260.00 | 174.63 | 75.67 |
| | | | | | |
| 2191 | 1.25(1.25) | | 190.00 | 138.03 | 59.81 |
| 2192 | 1.25(1.25) | | 310.00 | 202.79 | 87.88 |
| 2195 | 1.25(1.25) | 454.83 | 190.00 | 264.83 | 114.76 |
| 2196 | 1.25(1.25) | 390.47 | 260.00 | 130.47 | 56.54 |
| 2197 | 1.25(1.25) | | 190.00 | 197.43 | 85.55 |
| | | | | | |
| 2198 | 1.25(1.25) | | 190.00 | 182.83 | 79.23 |
| 2199 | 1.25(1.25) | 372.84 | 190.00 | 182.84 | 79.23 |
| | | | | | |

| 2200 | 1.25(1.25) | 568.96 | 320.00 | 248.96 | 107.88 |
|--------------|--------------------------|----------|------------------|------------------|-----------------|
| 2202 | 1.25(1.25) | 400.26 | 240.00 | 160.26 | 69.45 |
| 2203 | 1.25(1.25) | 665.44 | 400.00 | 265,44 | 115.02 |
| 2204 | 1.25(1.25) | 400.62 | 210.00 | 190.62 | 82.60 |
| 2205 | 1.25(1.25) | 440.26 | 220.00 | 220.26 | 95.45 |
| 2206 | 125(1.25) | 438.08 | 190.00 | 248.08 | 107.50 |
| 2207 | 1.25(1.25) | 332.52 | 200.00 | 132.52 | 57.43 |
| 2208 | 1.25(1.25) | | 230.00 | 179.98 | 77.99 |
| 2209 | 1.25(1.25) | | 400.00 | 68.49 | 29.68 |
| 2210 | 1.25(1.25) | | 280.00 | 283.92 | 123.03 |
| 2212 | 1.25(1.25) | | 260.00 | 215.62 | 93.44 |
| 2213 | 1.25(1.25) | | 260.00 | 109.57 | 47.48 |
| 2214 | 1.25(1.25) | | 230.00 | 336.64 | 145.88 |
| 2215 | 1.25(1.25) | | 230.00 | 222.42 | 96.38 |
| 2217 | 1.25(1.25) | | 310.00 | 192.90 | 83.59 |
| 2219 | 1.25(1.25) | | 351.00 | 112.27 | 48.65 |
| 2220 | 1.25(1.25) | | 340.00 | 221.56 | 96.01 |
| 2221 | 1.25(1.25) | | 185.00 | 202.69 | 87.83 |
| 2222
2223 | 1.25(1.25)
1.25(1.25) | | 290.00 | 172.41 | 74.71
77.23 |
| 2224 | 1.25(1.25) | | 325.00
300.00 | 178.22
227.99 | 98.80 |
| 2227 | 1.25(1.25) | | 210.00 | 136.64 | 59.21 |
| 2228 | 1.25(1.25) | | 275.00 | 155.65 | 67.45 |
| 2229 | 1.25(1.25) | | 345.00 | 26.41 | 11.45 |
| 2230 | 1.25(1.25) | | 270.00 | 151.66 | 65.72 |
| 2231 | 1.25(1.25) | | 190.00 | 139.83 | 60.59 |
| 2232 | 1.25(1.25) | | 330.00 | 174.78 | 75.74 |
| 2233 | 1.25(1.25) | | 210.00 | 179.12 | 77.62 |
| 2234 | 1.25(1.25) | | 390.00 | 117.64 | 50.98 |
| 2235 | 1.25(1.25) | 318.07 | 190.00 | 128.07 | 55.50 |
| 2236 | 1.25(1.25) | 451.37 | 248.00 | 203.37 | 88.13 |
| 2237 | 1.25(1.25) | 368.36 | 230.00 | 138.36 | 59.96 |
| 2238 | 1.25(1.25) | 409.10 | 220.00 | 189.10 | 81.94 |
| 2239 | 1.25(1.25) | 387.43 | 185.00 | 202.43 | 87.72 |
| 2240 | 1.25(1.25) | | 185.00 | 225.94 | 97.91 |
| 2241 | 1.25(1.25) | | 185.00 | 142.40 | 61.71 |
| 2242 | 1.25(1.25) | | 310.00 | 222.25 | 96.31 |
| 2244 | 1.25(1.25) | | 350.00 | 153.37 | 66.46 |
| 2245 | 1.25(1.25) | | 300.00 | 222.63 | 96.47 |
| 2246 | 1.25(1.25) | | 200.00 | 239.15 | 103.63 |
| 2247 | 1.25(1.25) | | 300.00 | 137.16 | 59.44 |
| 2248 | 1.25(1.25) | | 220.00 | 231.18 | 100.18
57.11 |
| 2249
2250 | 1.25(1.25) | | 440.00
340.00 | 131.79
67.56 | 29.28 |
| 2251 | 1.25(1.25) | | 270.00 | 344.98 | 149.49 |
| 2252 | 1.25(1.25) | | 380.00 | 127.46 | 55.23 |
| 2253 | 1.25(1.25) | | 300.00 | 142.28 | 61.65 |
| 2254 | 1.25(1.25) | | 190.00 | 128.13 | 55.52 |
| 2255 | 1.25(1.25) | 369.73 | 240.00 | 129.73 | 56.21 |
| 2256 | 1.25(1.25) | | 300.00 | 265.11 | 114.88 |
| 2258 | 1.25(1.25) | 652.76 | 380.00 | 272.76 | 118.20 |
| 2259 | 1.25(1.25) | 410.71 | 280.00 | 130.71 | 56.64 |
| 2260 | 1.25(1.25) | 387.45 | 210.00 | 177.45 | 76.89 |
| 2261 | 1.25(1.25) | 406.25 | 200.00 | 206.25 | 89.38 |
| 2262 | 1.25(1.25) | | 300.00 | 220.63 | 95.61 |
| 2264 | 1.25(1.25) | | 240.00 | 106.84 | 46.30 |
| 2265 | 1.25 (1.25) | | 230.00 | 177.36 | 76.85 |
| 2267 | 1.25(1.25) | | 190.00 | 196.95 | 85.35 |
| 2268 | 1.25(1.25) | | 180.00 | 190.12 | 82.39 |
| 2269 | 1.25(1.25) | | 330.00 | 175.34 | 75.98 |
| 2270 | 1.25(1.25) | | 310.00 | 314.59 | 136.32 |
| 2271 | 1.25(1.25) | | 190.00 | 183.02 | 79.31 |
| 2272 | 1.25(1.25) | | 410.00 | 97.58 | 42.28 |
| 2273 | 1.25(1.25) | | 210.00 | 128.02 | 55.48 |
| 2274 | 1.25(1.25) | | 230.00 | 177.21 | 76.79 |
| 2276 | 1.25(1.25)
1.25(1.25) | | 320.00
320.00 | 184.20 | 79.82 |
| 2278
2279 | 1.25(1.25) | | 240.00 | 63.23
170.23 | 27.40
73.77 |
| 2280 | 1.25(1.25) | | 180.00 | 190.23 | 82.46 |
| 2281 | 1.25(1.25) | | 225.00 | 276.41 | 119.78 |
| 2282 | 1.25(1.25) | | 180.00 | 190.26 | 82.44 |
| | , | J. J. 20 | | | 25.44 |

| | 1 05 (1 05) | 610 04 | 200.00 | | 100 - |
|------|-------------|--------|--------|--------|--------|
| 2283 | 1.25(1.25) | | 320.00 | 298.94 | 129.54 |
| 2284 | 1.25(1.25) | 358.28 | 250.00 | 108.28 | 46.92 |
| 2285 | 1.25(1.25) | 384.24 | 200.00 | 184.24 | 79.84 |
| 2286 | 1.25(1.25) | 413.48 | 250.00 | 163.48 | 70.84 |
| 2287 | 1.25(1.25) | | 240.00 | 226.66 | 98.22 |
| | | | | | |
| 2288 | 1.25(1.25) | | 260.00 | 303.30 | 131.43 |
| 2289 | 1.25(1.25) | | 330.00 | 200.40 | 86.84 |
| 2290 | 1.25(1.25) | 375.14 | 330.00 | 45.14 | 19.56 |
| 2292 | 1.25(1.25) | 325.53 | 210.00 | 115.53 | 50.06 |
| 2293 | 1.25(1.25) | | 200.00 | 138.13 | 59.85 |
| | | | | | |
| 2295 | 1.25(1.25) | | 340.00 | 279.56 | 121.14 |
| 2296 | 1.25(1.25) | | 185.00 | 148.61 | 64.40 |
| 2299 | 1.25(1.25) | 388.50 | 210.00 | 178.50 | 77.35 |
| 2300 | 1.25(1.25) | 548.64 | 280.00 | 268.64 | 116.41 |
| 2301 | 1.25(1.25) | | 200.00 | 239.95 | 103.98 |
| | 1.25(1.25) | | 220.00 | | |
| 2302 | | | | 146.83 | 63.63 |
| 2303 | 1.25(1.25) | | 185.00 | 142.55 | 61.77 |
| 2305 | 1.25(1.25) | | 180.00 | 211.05 | 91.45 |
| 2306 | 1.25(1.25) | 369.45 | 180.00 | 189.45 | 82.09 |
| 2308 | 1.25(1.25) | | 200.00 | 138.04 | 59.82 |
| | 1.25(1.25) | | | | |
| 2309 | | | 215.00 | 185.56 | 80.41 |
| 2311 | 1.25(1.25) | | 210.00 | 119.74 | 51.89 |
| 2313 | 1.25(1.25) | 444.08 | 220.00 | 224.08 | 97.10 |
| 2314 | 1.25(1.25) | 554.23 | 330.00 | 224.23 | 97.17 |
| 2315 | 1.25(1.25) | 370.38 | 180.00 | 190.38 | 82.50 |
| 2316 | 1.25(1.25) | | 370.00 | 191.83 | 83.13 |
| | | | | | |
| 2317 | 1.25(1.25) | | 260.00 | 196.57 | 85.18 |
| 2319 | 1.25(1.25) | 357.28 | 240.00 | 117.28 | 50.82 |
| 2320 | 1.25(1.25) | 618.93 | 320.00 | 298.93 | 129.54 |
| 2322 | 1.25(1.25) | | 320.00 | 232.77 | 100.87 |
| 2324 | 1.25(1.25) | | 340.00 | 113.91 | 49.36 |
| | | | | | |
| 2325 | 1.25(1.25) | | 340.00 | 223.29 | 96.76 |
| 2327 | 1.25(1.25) | | 200.00 | 172.67 | 74.82 |
| 2328 | 1.25(1.25) | 456.64 | 260.00 | 196.64 | 85.21 |
| 2329 | 1.25(1.25) | 388.12 | 231.00 | 157.12 | 68.09 |
| 2330 | 1.25(1.25) | 368.19 | 180.00 | 188.19 | 81.55 |
| 2331 | 1.25(1.25) | | 250.00 | 139.20 | 60.32 |
| | | | | | |
| 2332 | 1.25(1.25) | | 330.00 | 183.62 | 79.57 |
| 2333 | 1.25(1.25) | 454.46 | 190.00 | 264.46 | 114.60 |
| 2334 | 1.25(1.25) | 516.53 | 300.00 | 216.53 | 93.83 |
| 2336 | 1.25(1.25) | 511.61 | 310.00 | 201.61 | 87.36 |
| 2337 | 1.25(1.25) | | 460.00 | 174.24 | 75.50 |
| 2338 | 1.25(1.25) | | | | |
| | | | 180.00 | 187.54 | 81.27 |
| 2339 | 1.25(1.25) | | 200.00 | 205.28 | 88.95 |
| 2340 | 1.25(1.25) | 382.06 | 280.00 | 102.06 | 44.22 |
| 2341 | 1.25(1.25) | 504.11 | 340.00 | 164.11 | 71.12 |
| 2342 | 1.25(1.25) | 329.05 | 185.00 | 144.05 | 62.42 |
| 2343 | 1.25(1.25) | | 310.00 | 178.02 | 77.14 |
| | | | | | |
| 2344 | 1.25(1.25) | | 445.00 | 202.50 | 87.75 |
| 2345 | 1.25(1.25) | | 325.00 | 179.82 | 77.92 |
| 2346 | 1.25(1.25) | 349.63 | 210.00 | 139.63 | 60.51 |
| 2347 | 1.25(1.25) | 386.24 | 185.00 | 201.24 | 87.21 |
| 2353 | 1.25(1.25) | | 185.00 | 145.17 | 62.91 |
| | | | | | |
| 2354 | 1.25(1.25) | | 210.00 | 174.17 | 75.48 |
| 2355 | 1.25(1.25) | | 300.00 | 254.63 | 110.34 |
| 2356 | 1.25(1.25) | 507.51 | 360.00 | 147.51 | 63.92 |
| 2357 | 1.25(1.25) | 506.43 | 310.00 | 196.43 | 85.12 |
| 2359 | 1.25(1.25) | | 200.00 | 151.10 | 65.48 |
| | 1.25(1.25) | | 320.00 | 87.57 | |
| 2360 | | | | | 37.95 |
| 2362 | 1.25(1.25) | | 280.00 | 179.17 | 77.64 |
| 2363 | 1.25(1.25) | | 310.00 | 188.30 | 81.60 |
| 2365 | 1.25(1.25) | 362.62 | 230.00 | 132.62 | 57.47 |
| 2366 | 1.25(1.25) | | 315.00 | 176.32 | 76.41 |
| 2367 | 1.25(1.25) | | 190.00 | 176.32 | 76.43 |
| | | | | | |
| 2368 | 1.25(1.25) | | 205.00 | 184.62 | 80.00 |
| 2370 | 1.25(1.25) | | 185.00 | 148.35 | 64.29 |
| 2371 | 1.25(1.25) | 325.49 | 200.00 | 125.49 | 54.38 |
| 2372 | 1.25(1.25) | | 250.00 | 206.46 | 89.47 |
| 2375 | 1.25(1.25) | | 300.00 | 188.99 | 81.89 |
| | 1.25(1.25) | | 230.00 | | 77.65 |
| 2377 | | | | 179.18 | |
| 2379 | 1.25(1.25) | 368.19 | 180.00 | 188.19 | 81.55 |
| | | | | | |

| 2381 | 1.25(1.25) | 582.26 | 360.00 | 222.26 | 96.31 |
|------|-------------|--------|--------|--------|--------|
| 2383 | 1.25(1.25) | 382.18 | 280.00 | 102.18 | 44.28 |
| 2386 | 1.25(1.25) | | 295.00 | 192.85 | 83.57 |
| | | | | | |
| 2387 | 1.25(1.25) | | 280.00 | 136.40 | 59.11 |
| 2388 | 1.25(1.25) | 387.17 | 185.00 | 202.17 | 87.61 |
| 2389 | 1.25 (1.25) | 440.34 | 230.00 | 210.34 | 91.15 |
| | 1.25(1.25) | | | | |
| 2390 | | | 185.00 | 202.68 | 87.83 |
| 2391 | 1.25(1.25) | 609.38 | 270.00 | 339.38 | 147.06 |
| 2393 | 1.25(1.25) | 675.73 | 350.00 | 325.73 | 141.15 |
| 2395 | 1.25(1.25) | | 320.00 | 232.66 | 100.82 |
| | | | | | |
| 2397 | 1.25(1.25) | 368.23 | 180.00 | 188.23 | 81.57 |
| 2398 | 1.25(1.25) | 499.88 | 300.00 | 199.88 | 86.62 |
| 2399 | 1.25(1.25) | 505.35 | 345.00 | 160.35 | 69.48 |
| | | | | | |
| 2400 | 1.25(1.25) | | 340.00 | 197.11 | 85.42 |
| 2401 | 1.25(1.25) | 387.29 | 185.00 | 202.29 | 87.66 |
| 2402 | 1.25(1.25) | 464.58 | 270.00 | 194.58 | 84.32 |
| 2403 | 1.25(1.25) | 539.29 | 345.00 | 194.29 | 84.19 |
| | 1.25(1.25) | | | | |
| 2405 | | | 195.00 | 171.37 | 74.26 |
| 2407 | 1.25(1.25) | 331.81 | 190.00 | 141.81 | 61.45 |
| 2408 | 1.25(1.25) | 480.56 | 315.00 | 165.56 | 71.74 |
| 2410 | 1.25(1.25) | 383.47 | 185.00 | 198.47 | 86.01 |
| 2411 | 1.25(1.25) | | 270.00 | 171.78 | 74.44 |
| | | | | | |
| 2412 | 1.25(1.25) | | 340.00 | 198.54 | 86.03 |
| 2413 | 1.25(1.25) | 414.84 | 210.00 | 204.84 | 88.76 |
| 2414 | 1.25(1.25) | 509.53 | 360.00 | 149.53 | 64.80 |
| 2415 | 1.25(1.25) | | 212.00 | 145.14 | 62.89 |
| | | | | | |
| 2416 | 1.25(1.25) | | 190.00 | 262.77 | 113.87 |
| 2417 | 1.25(1.25) | 580.92 | 250.00 | 330.92 | 143.40 |
| 2420 | 1.25(1.25) | 609.19 | 270.00 | 339.19 | 146.98 |
| 2425 | 1.25(1.25) | | 190.00 | 143.37 | 62.13 |
| | 1.25(1.25) | | | | |
| 2426 | | | 220.00 | 198.98 | 86.22 |
| 2427 | 1.25(1.25) | 454.71 | 340.00 | 114.71 | 49.71 |
| 2428 | 1.25(1.25) | 531.50 | 310.00 | 221.50 | 95.98 |
| 2430 | 1.25 (1.25) | 373.28 | 210.00 | 163.28 | 70.76 |
| 2431 | 1.25(1.25) | | 270.00 | 200.26 | 86.78 |
| | | | | | |
| 2432 | 1.25(1.25) | | 350.00 | 217.41 | 94.21 |
| 2433 | 1.25(1.25) | 400.65 | 215.00 | 185.65 | 80.45 |
| 2434 | 1.25(1.25) | 376.47 | 230.00 | 146.47 | 63.47 |
| 2436 | 1.25(1.25) | | 350.00 | 159.32 | 69.04 |
| | | | | | |
| 2437 | 1.25(1.25) | | 340.00 | 299.78 | 129.91 |
| 2439 | 1.25(1.25) | 437.93 | 190.00 | 247.93 | 107.44 |
| 2440 | 1.25(1.25) | 439.89 | 190.00 | 249.89 | 108.28 |
| 2442 | 1.25(1.25) | 336.38 | 185.00 | 151.38 | 65.60 |
| | | | | | |
| 2443 | 1.25(1.25) | | 370.00 | 137.32 | 59.50 |
| 2444 | 1.25(1.25) | | 310.00 | 193.83 | 83.99 |
| 2445 | 1.25(1.25) | 609.49 | 270.00 | 339.49 | 147.11 |
| 2447 | 1.25(1.25) | 381.54 | 190.00 | 191.54 | 83.00 |
| 2448 | 1.25(1.25) | | 190.00 | 128.21 | 55.56 |
| | | | | | |
| 2449 | 1.25(1.25) | | 290.00 | 264.20 | 114.49 |
| 2450 | 1.25(1.25) | 554.31 | 240.00 | 314.31 | 136.20 |
| 2452 | 1.25(1.25) | 482.65 | 190.00 | 292.65 | 126.82 |
| 2453 | 1.25(1.25) | | 320.00 | 184.36 | 79.89 |
| | | | 280.00 | | |
| 2454 | 1.25(1.25) | | | 135.96 | 58.92 |
| 2455 | 1.25(1.25) | | 290.00 | 241.02 | 104.44 |
| 2458 | 1.25(1.25) | 486.12 | 190.00 | 296.12 | 128.32 |
| 2459 | 1.25(1.25) | | 330.00 | 173.01 | 74.97 |
| | | | | | |
| 2460 | 1.25(1.25) | | 280.00 | 160.39 | 69.50 |
| 2463 | 1.25(1.25) | | 200.00 | 238.32 | 103.27 |
| 2464 | 1.25(1.25) | | 200.00 | 175.21 | 75.93 |
| 2466 | 1.25(1.25) | 386.95 | 190.00 | 196.95 | 85.35 |
| 2468 | 1.25(1.25) | | 240.00 | 134.01 | 58.07 |
| | | | | | |
| 2469 | 1.25(1.25) | | 210.00 | 115.86 | 50.21 |
| 2470 | 1.25(1.25) | 422.70 | 260.00 | 162.70 | 70.50 |
| 2471 | 1.25(1.25) | 400.73 | 215.00 | 185.73 | 80.48 |
| 2472 | 1.25(1.25) | | 300.00 | 214.19 | 92.81 |
| | 1.25(1.25) | | | | |
| 2473 | | | 210.00 | 101.62 | 44.04 |
| 2476 | 1.25(1.25) | | 310.00 | 267.02 | 115.71 |
| 2477 | 1.25(1.25) | 469.32 | 340.00 | 129.32 | 56.04 |
| 2479 | 1.25(1.25) | 403.17 | 300.00 | 103.17 | 44.71 |
| 2480 | 1.25(1.25) | | 540.00 | 84.97 | 36.82 |
| | | | | | |
| 2481 | 1.25(1.25) | 553.74 | 290.00 | 263.74 | 114.29 |
| | | | | | |

| 2482 | 1.25(1.25) | 384.20 | 210.00 | 174.20 | 75.49 |
|------|------------|---------------|--------|--------|--------|
| 2483 | 1.25(1.25) | | | | |
| | | | 210.00 | 170.50 | 73.88 |
| 2484 | 1.25(1.25) | 380.92 | 210.00 | 170.92 | 74.07 |
| 2485 | 1.25(1.25) | 439 62 | 280.00 | 159.62 | 69.17 |
| | | | | | |
| 2490 | 1.25(1.25) | 407.92 | 210.00 | 197.92 | 85.76 |
| 2491 | 1.25(1.25) | 358.66 | 290.00 | 68.66 | 29.75 |
| | | | | | |
| 2493 | 1.25(1.25) | | 190.00 | 149.85 | 64.94 |
| 2495 | 1.25(1.25) | 409.17 | 230.00 | 179.17 | 77.64 |
| 2498 | 1.25(1.25) | 554 19 | 270.00 | 284.19 | 123.15 |
| | | | | | |
| 2499 | 1.25(1.25) | 407.29 | 320.00 | 87.29 | 37.82 |
| 2500 | 1.25(1.25) | 406.74 | 310.00 | 96.74 | 41.92 |
| | | | | | |
| 2501 | 1.25(1.25) | 332.55 | 185.00 | 147.55 | 63.94 |
| 2502 | 1.25(1.25) | 495.56 | 315.00 | 180.56 | 78.24 |
| | 1.25(1.25) | | | | |
| 2503 | | | 190.00 | 173.11 | 75.01 |
| 2505 | 1.25(1.25) | 334.91 | 185.00 | 149.91 | 64.96 |
| 2506 | 1.25(1.25) | 366 77 | 220.00 | 146.77 | 63.60 |
| | | | | | |
| 2507 | 1.25(1.25) | 366.76 | 220.00 | 146.76 | 63.60 |
| 2510 | 1.25(1.25) | 381.80 | 185.00 | 196.80 | 85.28 |
| | | | | | |
| 2511 | 1.25(1.25) | 309.80 | 200.00 | 109.80 | 47.58 |
| 2512 | 1.25(1.25) | 368.64 | 190.00 | 178.64 | 77.41 |
| | 1.25(1.25) | | | | |
| 2513 | | | 190.00 | 178.11 | 77.18 |
| 2514 | 1.25(1.25) | 366.99 | 200.00 | 166.99 | 72.36 |
| 2515 | 1.25(1.25) | 367 14 | 190.00 | 177.14 | 76.76 |
| | | | | | |
| 2516 | 1.25(1.25) | 367.15 | 190.00 | 177.15 | 76.77 |
| 2517 | 1.25(1.25) | 440.25 | 210.00 | 230.25 | 99.78 |
| | | | | | |
| 2518 | 1.25(1.25) | 386.96 | 190.00 | 196.96 | 85.35 |
| 2519 | 1.25(1.25) | 373.21 | 200.00 | 173.21 | 75.06 |
| | 1.25(1.25) | | 340.00 | | |
| 2520 | | | | 197.18 | 85.44 |
| 2521 | 1.25(1.25) | 486.02 | 330.00 | 156.02 | 67.61 |
| 2522 | 1.25(1.25) | 482 95 | 300.00 | 182.95 | 79.28 |
| | | | | | |
| 2525 | 1.25(1.25) | 21/.18 | 290.00 | 227.18 | 98.44 |
| 2527 | 1.25(1.25) | 555.88 | 330.00 | 225.88 | 97.88 |
| 2528 | 1.25(1.25) | | 200.00 | | |
| | | | | 187.61 | 81.30 |
| 2529 | 1.25(1.25) | 508.67 | 360.00 | 148.67 | 64.42 |
| 2532 | 1.25(1.25) | 561.95 | 390.00 | 171.95 | 74.51 |
| | | | | | |
| 2533 | 1.25(1.25) | 406.89 | 330.00 | 76.89 | 33.32 |
| 2534 | 1.25(1.25) | 220.15 | 190.00 | 30.15 | 13.06 |
| 2535 | 1.25(1.25) | | 185.00 | 147.60 | 63.96 |
| | | | | | |
| 2537 | 1.25(1.25) | 367.81 | 190.00 | 177.81 | 77.05 |
| 2538 | 1.25(1.25) | 373.36 | 190.00 | 183.36 | 79.45 |
| | | | | | |
| 2539 | 1.25(1.25) | 624.98 | 540.00 | 84.98 | 36.82 |
| 2540 | 1.25(1.25) | 467.11 | 270.00 | 197.11 | 85.41 |
| 2541 | 1.25(1.25) | 454 53 | 190.00 | 264.53 | 114.63 |
| | | | | | |
| 2542 | 1.25(1.25) | 311.98 | 220.00 | 91.98 | 39.86 |
| 2543 | 1.25(1.25) | 311.94 | 220.00 | 91.94 | 39.84 |
| | | | | | |
| 2544 | 1.25(1.25) | | 210.00 | 200.90 | 87.06 |
| 2545 | 1.25(1.25) | 539.14 | 250.00 | 289.14 | 125.29 |
| 2546 | 1.25(1.25) | 472 37 | 370.00 | 102.37 | 44.36 |
| | | | | | |
| 2547 | 1.25(1.25) | 312.19 | 220.00 | 92.19 | 39.95 |
| 2550 | 1.25(1.25) | 625.93 | 480.00 | 145.93 | 63.24 |
| | | | | | |
| 2551 | 1.25(1.25) | | 180.00 | 211.02 | 91.44 |
| 2552 | 1.25(1.25) | 446.20 | 200.00 | 246.20 | 106.69 |
| 2553 | 1.25(1.25) | 499.04 | 315.00 | 184.04 | 79.75 |
| | | | | | |
| 2554 | 1.25(1.25) | | 400.00 | 264.12 | 114.45 |
| 2555 | 1.25(1.25) | 408.79 | 230.00 | 178.79 | 77.47 |
| | | | | | |
| 2557 | 1.25(1.25) | | 185.00 | 294.17 | 127.47 |
| 2559 | 1.25(1.25) | 429.98 | 260.00 | 169.98 | 73.66 |
| 2560 | 1.25(1.25) | 344.87 | 260.00 | 84.87 | 36.78 |
| | | | | | |
| 2561 | 1.25(1.25) | 499.16 | 315.00 | 184.16 | 79.80 |
| 2562 | 1.25(1.25) | 387.36 | 210.00 | 177.36 | 76.85 |
| | | | | | |
| 2563 | 1.25(1.25) | | 210.00 | 115.51 | 50.05 |
| 2564 | 1.25(1.25) | 318.92 | 190.00 | 128.92 | 55.86 |
| | | | | | |
| 2565 | 1.25(1.25) | 335.00 | 185.00 | 150.00 | 65.00 |
| 2566 | 1.25(1.25) | 325.85 | 210.00 | 115.85 | 50.20 |
| 2567 | 1.25(1.25) | 494.40 | 300.00 | 194.40 | 84.24 |
| | | | | | |
| 2568 | 1.25(1.25) | | 224.00 | 121.11 | 52.48 |
| 2569 | 1.25(1.25) | 345.11 | 224.00 | 121.11 | 52.48 |
| | | | | | |
| 2570 | 1.25(1.25) | | 260.00 | 85.23 | 36.93 |
| 2572 | 1.25(1.25) | 345.21 | 260.00 | 85.21 | 36.92 |
| 2573 | 1.25(1.25) | 345.20 | 260.00 | 85.20 | 36.92 |
| | | | | | |
| 2574 | 1.25(1.25) | 345.18 | 220.00 | 125.18 | 54.25 |
| | | | | | |

| 0575 | 2 05 (2 05) | 245 10 | | | |
|------|-------------|--------|--------|--------|--------|
| 2575 | 1.25(1.25) | | 220.00 | 125.18 | 54.25 |
| 2576 | 1.25(1.25) | 345.18 | 210.00 | 135.18 | 58.58 |
| 2577 | 1.25(1.25) | 345.17 | 195.00 | 150.17 | 65.08 |
| 2578 | 1.25(1.25) | 430.06 | 270.00 | 160.06 | 69.36 |
| 2579 | 1.25(1.25) | | 220.00 | 92.09 | 39.90 |
| | | | | | |
| 2580 | 1.25(1.25) | | 330.00 | 177.48 | 76.91 |
| 2581 | 1.25(1.25) | | 300.00 | 188.97 | 81.89 |
| 2582 | 1.25(1.25) | 475.88 | 260.00 | 215.88 | 93.55 |
| 2583 | 1.25(1.25) | 365.51 | 280.00 | 85.51 | 37.05 |
| 2584 | 1.25(1.25) | | 250.00 | 126.89 | 54.99 |
| | 1.25(1.25) | | | | |
| 2586 | | | 210.00 | 173.95 | 75.38 |
| 2587 | 1.25(1.25) | 384.26 | 200.00 | 184.26 | 79.84 |
| 2588 | 1.25(1.25) | 389.46 | 205.00 | 184.46 | 79.93 |
| 2589 | 1.25(1.25) | 408.65 | 220.00 | 188.65 | 81.75 |
| 2590 | 1.25(1.25) | | 220.00 | 260.24 | 112.77 |
| | 1.25(1.25) | | | | |
| 2591 | | | 185.00 | 294.08 | 127.43 |
| 2592 | 1.25(1.25) | | 330.00 | 200.44 | 86.86 |
| 2593 | 1.25(1.25) | 461.84 | 290.00 | 171.84 | 74.47 |
| 2595 | 1.25(1.25) | 448.60 | 220.00 | 228.60 | 99.06 |
| 2597 | 1.25(1.25) | | 200.00 | 208.67 | 90.42 |
| | | | | | |
| 2598 | 1.25(1.25) | | 320.00 | 86.76 | 37.60 |
| 2599 | 1.25(1.25) | | 190.00 | 200.43 | 86.85 |
| 2600 | 1.25(1.25) | 318.39 | 190.00 | 128.39 | 55.64 |
| 2601 | 1.25(1.25) | 475.57 | 260.00 | 215.57 | 93.41 |
| 2602 | 1.25(1.25) | | 290.00 | 165.67 | 71.79 |
| | | | | | |
| 2605 | 1.25(1.25) | | 280.00 | 85.67 | 37.12 |
| 2606 | 1.25(1.25) | | 290.00 | 169.99 | 73.66 |
| 2608 | 1.25(1.25) | 389.80 | 190.00 | 199.80 | 86.58 |
| 2609 | 1.25(1.25) | 383.41 | 185.00 | 198.41 | 85.98 |
| 2610 | 1.25(1.25) | 387.43 | 190.00 | 197.43 | 85.55 |
| 2613 | 1.25(1.25) | | 200.00 | 106.37 | 46.09 |
| | | | | | |
| 2617 | 1.25(1.25) | | 210.00 | 230.25 | 99.78 |
| 2618 | 1.25(1.25) | | 210.00 | 96.17 | 41.67 |
| 2620 | 1.25(1.25) | 503.86 | 360.00 | 143.86 | 62.34 |
| 2621 | 1.25(1.25) | 407.25 | 240.00 | 167.25 | 72.47 |
| 2623 | 1.25(1.25) | 566.98 | 290.00 | 276.98 | 120.03 |
| 2625 | 1.25(1.25) | | 190.00 | 120.06 | 52.03 |
| | 1.25(1.25) | | 400.00 | | |
| 2626 | | | | 68.49 | 29.68 |
| 2627 | 1.25(1.25) | | 310.00 | 315.18 | 136.58 |
| 2628 | 1.25(1.25) | 510.27 | 385.00 | 125.27 | 54.28 |
| 2630 | 1.25(1.25) | 306.16 | 210.00 | 96.16 | 41.67 |
| 2632 | 1.25(1.25) | 345.18 | 200.00 | 145.18 | 62.91 |
| 2633 | 1.25(1.25) | | 335.00 | 169.97 | 73.65 |
| | | | | | |
| 2634 | 1.25(1.25) | | 340.00 | 167.78 | 72.70 |
| 2635 | 1.25(1.25) | | 300.00 | 188.59 | 81.72 |
| 2636 | 1.25(1.25) | 491.33 | 315.00 | 176.33 | 76.41 |
| 2639 | 1.25(1.25) | 466.70 | 280.00 | 186.70 | 80.90 |
| 2640 | 1.25(1.25) | 387.85 | 185.00 | 202.85 | 87.90 |
| 2641 | 1.25(1.25) | | 300.00 | 183.20 | 79.39 |
| | | | | | |
| 2643 | 1.25(1.25) | 353.27 | 210.00 | 143.27 | 62.08 |
| 2644 | 1.25(1.25) | | 300.00 | 257.81 | 111.72 |
| 2646 | 1.25(1.25) | 629.69 | 460.00 | 169.69 | 73.53 |
| 2647 | 1.25(1.25) | 558.67 | 330.00 | 228.67 | 99.09 |
| 2649 | 1.25(1.25) | | 197.00 | 194.90 | 84.46 |
| | 1.25(1.25) | | 210.00 | | 77.63 |
| 2651 | | | | 179.15 | |
| 2652 | 1.25(1.25) | | 220.00 | 167.78 | 72.70 |
| 2654 | 1.25(1.25) | | 185.00 | 197.36 | 85.52 |
| 2659 | 1.25(1.25) | 503.42 | 340.00 | 163.42 | 70.81 |
| 2660 | 1.25(1.25) | | 270.00 | 171.92 | 74.50 |
| 2661 | 1.25(1.25) | | 315.00 | 178.83 | 77.49 |
| | | | | | |
| 2662 | 1.25(1.25) | | 280.00 | 243.18 | 105.38 |
| 2663 | 1.25(1.25) | | 190.00 | 220.95 | 95.74 |
| 2665 | 1.25(1.25) | 558.73 | 325.00 | 233.73 | 101.28 |
| 2666 | 1.25(1.25) | 366.93 | 200.00 | 166.93 | 72.33 |
| 2667 | 1.25(1.25) | | 230.00 | 127.18 | 55.11 |
| | | | | | |
| 2669 | 1.25(1.25) | | 280.00 | 103.00 | 44.63 |
| 2671 | 1.25(1.25) | | 280.00 | 197.24 | 85.47 |
| 2672 | 1.25(1.25) | | 350.00 | 153.80 | 66.65 |
| 2673 | 1.25(1.25) | 400.68 | 215.00 | 185.68 | 80.46 |
| 2674 | 1.25(1.25) | | 190.00 | 291.65 | 126.38 |
| 2675 | 1.25(1.25) | | 440.00 | 129.85 | 56.27 |
| 20,0 | (1-23) | 502.05 | 440.00 | 127.03 | JU.2/ |

| 2677 | 1.25(1.25) | 374.03 | 190.00 | 184.03 | 79,75 |
|--------------|--------------------------|------------------|--------|--------|---------------|
| 2670 | 1.25(1.25) | | 260.00 | 130.48 | |
| 2678 | | | | | 56.54 |
| 2679 | 1.25(1.25) | 499.91 | 325.00 | 174.91 | 75.79 |
| 2680 | 1.25(1.25) | 458 46 | 340.00 | 118.46 | 51.33 |
| | | | | | |
| 2682 | 1.25(1.25) | 373.94 | 190.00 | 183.94 | 79.71 |
| 2683 | 1.25(1.25) | 332.52 | 185.00 | 147.52 | 63.92 |
| 2684 | 1.25(1.25) | 399.85 | 210.00 | 189.85 | 82.27 |
| | | | | | |
| 2685 | 1.25(1.25) | 410.95 | 221.00 | 189.95 | 82.31 |
| 2686 | 1.25(1.25) | 541.35 | 300.00 | 241.35 | 104.58 |
| | | | | | |
| 2687 | 1.25(1.25) | | 190.00 | 183.24 | 79.40 |
| 2688 | 1.25(1.25) | 407.43 | 220.00 | 187.43 | 81.22 |
| 2689 | 1.25(1.25) | 373.94 | 190.00 | 183.94 | 79.71 |
| | | | | | |
| 2691 | 1.25(1.25) | 635./4 | 470.00 | 165.74 | 71.82 |
| 2692 | 1.25(1.25) | 324.66 | 190.00 | 134.66 | 58.35 |
| 2693 | 1.25(1.25) | | 200.00 | 145.17 | |
| | · | | | | 62.91 |
| 2694 | 1.25(1.25) | 505.14 | 390.00 | 115.14 | 49.90 |
| 2695 | 1.25(1.25) | 400.14 | 220.00 | 180.14 | 78.06 |
| | | | | | |
| 2696 | 1.25(1.25) | 536.86 | 340.00 | 196.86 | 85.31 |
| 2698 | 1.25(1.25) | 621.35 | 322.00 | 299.35 | 129.72 |
| 2699 | 1.25(1.25) | 507.37 | 350.00 | 157.37 | 68.19 |
| | | | | | |
| 2700 | 1.25(1.25) | 327.65 | 185.00 | 142.65 | 61.82 |
| 2701 | 1.25(1.25) | 451.30 | 250.00 | 201.30 | 87.23 |
| | 1.25(1.25) | | | | |
| 2702 | | | 380.00 | 130.98 | 56.76 |
| 2703 | 1.25(1.25) | 609.23 | 270.00 | 339.23 | 147.00 |
| 2704 | 1.25(1.25) | 374.62 | 200.00 | 174.62 | 75.67 |
| | | | | | |
| 2705 | 1.25(1.25) | 506.23 | 310.00 | 196.23 | 85.03 |
| 2706 | 1.25(1.25) | 505.23 | 300.00 | 205.23 | 88.94 |
| 2707 | 1.25(1.25) | | 210.00 | 96.17 | 41.67 |
| | | | | | |
| 2708 | 1.25(1.25) | 410.95 | 210.00 | 200.95 | 87.08 |
| 2709 | 1.25(1.25) | 386.24 | 230.00 | 156.24 | 67.71 |
| | | | | | |
| 2710 | 1.25(1.25) | | 350.00 | 155.27 | 67.28 |
| 2711 | 1.25(1.25) | 464.18 | 280.00 | 184.18 | 79.8 1 |
| 2712 | 1.25(1.25) | 483.55 | 290.00 | 193.55 | 83.87 |
| | | | | | |
| 2715 | 1.25(1.25) | 510.27 | 385.00 | 125.27 | 54.28 |
| 2718 | 1.25(1.25) | 503.85 | 360.00 | 143.85 | 62.33 |
| 2721 | 1.25(1.25) | 629 10 | 460.00 | 169.10 | 73.27 |
| | | | | | |
| 2724 | 1.25(1.25) | 502.15 | 310.00 | 192.15 | 83.27 |
| 2726 | 1.25(1.25) | 371.60 | 190.00 | 181.60 | 78.69 |
| | | | | | |
| 2727 | 1.25(1.25) | 371.70 | 185.00 | 186.70 | 80.90 |
| 2728 | 1.25(1.25) | 371.66 | 185.00 | 186.66 | 80.89 |
| 2729 | 1.25(1.25) | 371.74 | 185.00 | 186.74 | 80.92 |
| | | | | | |
| 2730 | 1.25(1.25) | 371.71 | 190.00 | 181.71 | 78.74 |
| 2731 | 1.25(1.25) | 371.61 | 185.00 | 186.61 | 80.86 |
| 2732 | 1.25(1.25) | 371.72 | 185.00 | 186.72 | 80.91 |
| | | | | | |
| 2733 | 1.25(1.25) | 3/1.41 | 185.00 | 186.41 | 80.78 |
| 2734 | 1.25(1.25) | 371.61 | 185.00 | 186.61 | 80.86 |
| 2735 | 1.25(1.25) | 371 60 | 185.00 | 186.60 | 80.86 |
| | | | | | |
| 2736 | 1.25(1.25) | 371.39 | 185.00 | 186.39 | 80.77 |
| 2737 | 1.25(1.25) | 371.68 | 185.00 | 186.68 | 80.90 |
| 2738 | 1.25(1.25) | 370.98 | 185.00 | 185.98 | 80.59 |
| | | | | | |
| 2739 | 1.25(1.25) | 371.72 | 190.00 | 181.72 | 78.74 |
| 2740 | 1.25(1.25) | 309.68 | 220.00 | 89.68 | 38.86 |
| | 1.25(1.25) | | | | 80.95 |
| 2741 | | 371.82 | 185.00 | 186.82 | |
| 2742 | 1.25(1.25) | 371.73 | 190.00 | 181.73 | 78.75 |
| 2743 | 1.25(1.25) | 371.71 | 190.00 | 181.71 | 78.74 |
| | | | | | |
| 2744 | 1.25(1.25) | 371.50 | 185.00 | 186.50 | 80.82 |
| 2745 | 1.25(1.25) | 371.71 | 190.00 | 181.71 | 78.74 |
| 2746 | 1.25(1.25) | 371.39 | 185.00 | 186.39 | 80.77 |
| | | | | | |
| 2747 | 1.25(1.25) | 371.76 | 190.00 | 181.76 | 78.76 |
| 2748 | 1.25(1.25) | 371.60 | 185.00 | 186.60 | 80.86 |
| 2749 | 1.25(1.25) | 371.45 | 190.00 | 181.45 | 78.63 |
| | | | | | |
| 2750 | 1.25(1.25) | 371.45 | 190.00 | 181.45 | 78.63 |
| 2751 | 1.25(1.25) | 371.67 | 185.00 | 186.67 | 80.89 |
| | 1.25(1.25) | 371.66 | | | |
| 2752 | | | 185.00 | 186.66 | 80.89 |
| 2753 | 1.25(1.25) | 371.70 | 185.00 | 186.70 | 80.90 |
| 2754 | 1.25(1.25) | 371.75 | 185.00 | 186.75 | 80.93 |
| | | | | | |
| 2755 | | 371.46 | 190.00 | 181.46 | 78.63 |
| | 1.25(1.25) | | | | |
| | 1.25(1.25) | 371.71 | 190.00 | 181.71 | 78.74 |
| 2756 | 1.25(1.25) | 371.71 | | | |
| 2756
2757 | 1.25(1.25)
1.25(1.25) | 371.71
371.69 | 185.00 | 186.69 | 80.90 |
| 2756 | 1.25(1.25) | 371.71 | | | |
| 2756
2757 | 1.25(1.25)
1.25(1.25) | 371.71
371.69 | 185.00 | 186.69 | 80.90 |

| 2760 | 1.25(1.25) | 371.83 | 185.00 | 186.83 | 80.96 |
|------|------------|----------------|--------|--------|--------|
| 2761 | 1.25(1.25) | 372.15 | 185.00 | 187.15 | 81.10 |
| 2762 | 1.25(1.25) | | 185.00 | 187.06 | 81.06 |
| | | | | | |
| 2763 | 1.25(1.25) | 371.5 1 | 190.00 | 181.51 | 78.65 |
| 2764 | 1.25(1.25) | 371.70 | 185.00 | 186.70 | 80.90 |
| 2765 | 1.25(1.25) | 370.84 | 185.00 | 185.84 | 80.53 |
| | | | | | |
| 2766 | 1.25(1.25) | 371.83 | 185.00 | 186.83 | 80.96 |
| 2767 | 1.25(1.25) | 371.21 | 190.00 | 181.21 | 78.52 |
| 2768 | 1.25(1.25) | 370.83 | 185.00 | 185.83 | 80.53 |
| | | | | | |
| 2769 | 1.25(1.25) | | 190.00 | 181.60 | 78.69 |
| 2770 | 1.25(1.25) | 371.83 | 185.00 | 186.83 | 80.96 |
| 2771 | 1.25(1.25) | 371.58 | 185.00 | 186.58 | 80.85 |
| 5001 | 0.00 | 570.08 | 433.00 | | 59.40 |
| | | | | 137.08 | |
| 5002 | 0.00 | 571.00 | 420.00 | 151.00 | 65.44 |
| 5003 | 0.00 | 570.43 | 430.00 | 140.43 | 60.85 |
| 5004 | 0.00 | 568.03 | 300.00 | 268.03 | 116.15 |
| | 0.00 | 567.74 | 315.00 | | |
| 5005 | | | | 252.74 | 109.52 |
| 5006 | 0.00 | 567.74 | 320.00 | 247.74 | 107.36 |
| 5007 | 0.00 | 567.69 | 325.00 | 242.69 | 105.17 |
| 5008 | 0.00 | 567.30 | 300.00 | 267.30 | 115.83 |
| | | | | | |
| 5009 | 0.00 | 567.12 | 400.00 | 167.12 | 72.42 |
| 5010 | 0.00 | 571.22 | 430.00 | 141.22 | 61.20 |
| 5011 | 0.00 | 569.97 | 380.00 | 189.97 | 82.32 |
| 5012 | 0.00 | 572.17 | 420.00 | 152.17 | 65.94 |
| | | | | | |
| 5013 | 0.00 | 575.78 | 374.00 | 201.78 | 87.44 |
| 5014 | 0.00 | 574.70 | 279.00 | 295.70 | 128.14 |
| 5015 | 0.00 | 574.15 | 334.00 | 240.15 | 104.06 |
| 5016 | 0.00 | 573.88 | 323.00 | 250.88 | 108.72 |
| | | | | | |
| 5017 | 0.00 | 573.65 | 336.00 | 237.65 | 102.98 |
| 5018 | 0.00 | 573.25 | 340.00 | 233.25 | 101.08 |
| 5019 | 0.00 | 572.37 | 370.00 | 202.37 | 87.70 |
| 5020 | 0.00 | 572.15 | 375.00 | 197.15 | 85.43 |
| | 0.00 | 572.11 | 390.00 | | |
| 5021 | | | | 182.11 | 78.91 |
| 5022 | 0.00 | 572.05 | 380.00 | 192.05 | 83.22 |
| 5023 | 0.00 | 575.89 | 380.00 | 195.89 | 84.89 |
| 5024 | 0.00 | 572.07 | 390.00 | 182.07 | 78.90 |
| | 0.00 | 575.72 | 312.00 | | |
| 5025 | | | | 263.72 | 114.28 |
| 5026 | 0.00 | 575.72 | 360.00 | 215.72 | 93.48 |
| 5027 | 0.00 | 577.17 | 350.00 | 227.17 | 98.44 |
| 5028 | 0.00 | 628.19 | 390.00 | 238.19 | 103.22 |
| | 0.00 | 628.88 | 390.00 | | |
| 5029 | | | | 238.88 | 103.51 |
| 5030 | 0.00 | 570.10 | 420.00 | 150.10 | 65.04 |
| 5031 | 0.00 | 595.11 | 270.00 | 325.11 | 140.88 |
| 5032 | 0.00 | 619.77 | 380.00 | 239.77 | 103.90 |
| | 0.00 | 633.50 | 394.00 | 239.50 | 103.78 |
| 5033 | | | | | |
| 5034 | 0.00 | 412.64 | 400.00 | 12.64 | 5.48 |
| 5035 | 0.00 | 410.00 | 400.00 | 10.00 | 4.33 |
| 5036 | 0.00 | 410.00 | 400.00 | 10.00 | 4.33 |
| | 0.00 | 438.22 | | | 42.56 |
| 5037 | | | 340.00 | 98.22 | |
| 5038 | 0.00 | 436.48 | 390.00 | 46.48 | 20.14 |
| 5039 | 0.00 | 442.01 | 320.00 | 122.01 | 52.87 |
| 5040 | 0.00 | 472.76 | 300.00 | 172.76 | 74.86 |
| 5041 | 0.00 | 516.84 | 371.00 | 145.84 | 63.20 |
| | | | | | |
| 5042 | 0.00 | 555.28 | 305.00 | 250.28 | 108.45 |
| 5043 | 0.00 | 626.46 | 430.00 | 196.46 | 85.13 |
| 5044 | 0.00 | 626.11 | 469.00 | 157.11 | 68.08 |
| 5045 | 0.00 | 626.07 | 460.00 | 166.07 | 71.96 |
| | | | | | |
| 5046 | 0.00 | 625.32 | 534.00 | 91.32 | 39.57 |
| 5047 | 0.00 | 625.00 | 560.00 | 65.00 | 28.17 |
| 5048 | 0.00 | 666.67 | 400.00 | 266.67 | 115.56 |
| 5049 | 0.00 | 495.25 | 420.00 | 75.25 | 32.61 |
| | | | | | |
| 5050 | 0.00 | 507.78 | 323.00 | 184.78 | 80.07 |
| 5051 | 0.00 | 507.72 | 320.00 | 187.72 | 81.34 |
| 5052 | 0.00 | 507.60 | 310.00 | 197.60 | 85.63 |
| 5053 | 0.00 | 507.47 | 350.00 | 157.47 | 68.24 |
| | | 625.85 | | | 67.54 |
| 5054 | 0.00 | | 470.00 | 155.85 | |
| 5055 | 0.00 | 625.80 | 470.00 | 155.80 | 67.52 |
| 5056 | 0.00 | 646.48 | 445.00 | 201.48 | 87.31 |
| 5057 | 0.00 | 482.15 | 400.00 | 82.15 | 35.60 |
| | | | | | |
| 5058 | 0.00 | 507.33 | 370.00 | 137.33 | 59.51 |
| 5059 | 0.00 | 661.85 | 370.00 | 291.85 | 126.47 |

| 5060 | 0.00 | 661.11 | 370.00 | 291.11 | 126.15 |
|------|------|--------|--------|--------|--------|
| 5061 | 0.00 | 658.14 | 300.00 | 358.14 | 155.19 |
| 5062 | 0.00 | 657.62 | 335.00 | 322.62 | 139.80 |
| 5063 | 0.00 | 655.12 | | | |
| | | | 380.00 | 275.12 | 119.22 |
| 5064 | 0.00 | 413.36 | 350.00 | 63.36 | 27.46 |
| 5065 | 0.00 | 413.36 | 336.00 | 77.36 | 33.52 |
| 5066 | 0.00 | 569.95 | 400.00 | 169.95 | 73.65 |
| 5067 | 0.00 | 569.95 | 400.00 | 169.95 | 73,65 |
| 5068 | 0.00 | 569.33 | 420.00 | | |
| | | | | 149.33 | 64.71 |
| 5069 | 0.00 | 509.54 | 340.00 | 169.54 | 73.47 |
| 5070 | 0.00 | 413.36 | 330.00 | 83.36 | 36.12 |
| 5071 | 0.00 | 396.19 | 330.00 | 66.19 | 28.68 |
| 5072 | 0.00 | 569.15 | 320.00 | 249.15 | 107.96 |
| 5073 | 0.00 | 569.11 | 320.00 | 249.11 | 107.95 |
| | | | | | |
| 5074 | 0.00 | 568.55 | 320.00 | 248.55 | 107.70 |
| 5075 | 0.00 | 566.40 | 321.00 | 245.40 | 106.34 |
| 5076 | 0.00 | 567.96 | 475.00 | 92.96 | 40.28 |
| 5077 | 0.00 | 566.38 | 321.00 | 245.38 | 106.33 |
| 5078 | 0.00 | 565.27 | 310.00 | 255.27 | 110.62 |
| 5079 | 0.00 | 565.11 | 300.00 | 265.11 | 114.88 |
| | | | | | |
| 5080 | 0.00 | 564.59 | 250.00 | 314.59 | 136.32 |
| 5081 | 0.00 | 563.92 | 299.00 | 264.92 | 114.80 |
| 5082 | 0.00 | 564.79 | 310.00 | 254.79 | 110.41 |
| 5083 | 0.00 | 563.94 | 264.00 | 299.94 | 129.98 |
| 5084 | 0.00 | 563.59 | 250.00 | 313.59 | 135.89 |
| | | | | | |
| 5085 | 0.00 | 563.94 | 280.00 | 283.94 | 123.04 |
| 5086 | 0.00 | 564.75 | 304.00 | 260.75 | 112.99 |
| 5087 | 0.00 | 564.68 | 320.00 | 244.68 | 106.03 |
| 5088 | 0.00 | 564.75 | 280.00 | 284.75 | 123.39 |
| 5089 | 0.00 | 564.66 | 310.00 | 254.66 | 110.35 |
| 5090 | 0.00 | 562.99 | 362.00 | 200.99 | 87.10 |
| 5091 | 0.00 | 561.89 | | | |
| | | | 388.00 | 173.89 | 75.35 |
| 5092 | 0.00 | 561.87 | 340.00 | 221.87 | 96.15 |
| 5093 | 0.00 | 561.87 | 360.00 | 201.87 | 87.48 |
| 5094 | 0.00 | 561.87 | 370.00 | 191.87 | 83.15 |
| 5095 | 0.00 | 562.15 | 285.00 | 277.15 | 120.10 |
| 5096 | 0.00 | 561.88 | 280.00 | 281.88 | 122.15 |
| 5097 | 0.00 | 560.59 | 280.00 | 280.59 | 121.59 |
| | | | | | |
| 5098 | 0.00 | 560.68 | 280.00 | 280.68 | 121.63 |
| 5099 | 0.00 | 558.93 | 260.00 | 298.93 | 129.54 |
| 5100 | 0.00 | 555.06 | 290.00 | 265.06 | 114.86 |
| 5101 | 0.00 | 554.73 | 330.00 | 224.73 | 97.38 |
| 5102 | 0.00 | 554.48 | 270.00 | 284.48 | 123.27 |
| 5103 | 0.00 | 554.15 | 292.00 | 262.15 | 113.60 |
| | | | | | |
| 5104 | 0.00 | 554.12 | 292.00 | 262.12 | 113.59 |
| 5105 | 0.00 | 553.72 | 270.00 | 283.72 | 122.94 |
| 5106 | 0.00 | 553.40 | 294.00 | 259.40 | 112.41 |
| 5107 | 0.00 | 507.79 | 365.00 | 142.79 | 61.88 |
| 5108 | 0.00 | 505.54 | 360.00 | 145.54 | 63.07 |
| 5109 | 0.00 | 507.80 | 365.00 | 142.80 | 61.88 |
| 5110 | 0.00 | 507.80 | 365.00 | 142.80 | 61.88 |
| | | | | | |
| 5111 | 0.00 | 507.95 | 365.00 | 142.95 | 61.95 |
| 5112 | 0.00 | 472.51 | 365.00 | 107.51 | 46.59 |
| 5113 | 0.00 | 508.48 | 370.00 | 138.48 | 60.01 |
| 5114 | 0.00 | 472.40 | 370.00 | 102.40 | 44.38 |
| 5115 | 0.00 | 472.37 | 370.00 | 102.37 | 44.36 |
| 5116 | 0.00 | 508.90 | 360.00 | 148.90 | 64.52 |
| | | | | | |
| 5117 | 0.00 | 508.90 | 360.00 | 148.90 | 64.52 |
| 5118 | 0.00 | 510.28 | 375.00 | 135.28 | 58.62 |
| 5119 | 0.00 | 510.96 | 390.00 | 120.96 | 52.42 |
| 5120 | 0.00 | 510.96 | 390.00 | 120.96 | 52.42 |
| 5121 | 0.00 | 510.96 | 390.00 | 120.96 | 52.42 |
| 5122 | 0.00 | 508.69 | 360.00 | 148.69 | 64.43 |
| | 0.00 | 504.78 | 330.00 | 174.78 | 75.74 |
| 5123 | | | | | |
| 5124 | 0.00 | 504.99 | 330.00 | 174.99 | 75.83 |
| 5125 | 0.00 | 505.90 | 350.00 | 155.90 | 67.55 |
| 5126 | 0.00 | 505.35 | 345.00 | 160.35 | 69.49 |
| 5127 | 0.00 | 505.31 | 345.00 | 160.31 | 69.47 |
| 5128 | 0.00 | 509.70 | 360.00 | 149.70 | 64.87 |
| 5129 | 0.00 | 509.85 | 370.00 | 139.85 | 60.60 |
| | | | | | |
| 5130 | 0.00 | 509.95 | 360.00 | 149.95 | 64.98 |
| | | | | | |

| 5131 | 0.00 | 509.98 | 360.00 | 149.98 | 64.99 |
|--------------|------|--------|--------|--------|--------|
| 5132 | 0.00 | 510.47 | 375.00 | 135.47 | 58.71 |
| | 0.00 | | | | |
| 5133 | | 507.05 | 365.00 | 142.05 | 61.55 |
| 5134 | 0.00 | 506.23 | 360.00 | 146.23 | 63.37 |
| 5135 | 0.00 | 505.67 | 365.00 | 140.67 | 60.96 |
| 5136 | 0.00 | 505.31 | 310.00 | 195.31 | 84.63 |
| | 0.00 | 505.24 | | | |
| 5137 | | | 320.00 | 185.24 | 80.27 |
| 5138 | 0.00 | 499.91 | 320.00 | 179.91 | 77.96 |
| 5139 | 0.00 | 503.69 | 325.00 | 178.69 | 77.43 |
| 5140 | 0.00 | 503.26 | 325.00 | 178.26 | 77.25 |
| | | | | | |
| 5141 | 0.00 | 464.57 | 290.00 | 174.57 | 75.65 |
| 5142 | 0.00 | 456.52 | 320.00 | 136.52 | 59.16 |
| 5143 | 0.00 | 502.27 | 290.00 | 212.27 | 91.98 |
| 5144 | 0.00 | 502.19 | 310.00 | 192.19 | 83.28 |
| | | | | | |
| 5145 | 0.00 | 505.30 | 310.00 | 195.30 | 84.63 |
| 5146 | 0.00 | 504.85 | 305.00 | 199.85 | 86.60 |
| 5147 | 0.00 | 504.41 | 350.00 | 154.41 | 66.91 |
| 5148 | 0.00 | 504.62 | 360.00 | 144.62 | 62.67 |
| | | | | | |
| 5149 | 0.00 | 504.98 | 310.00 | 194.98 | 84.49 |
| 5150 | 0.00 | 504.62 | 360.00 | 144.62 | 62.67 |
| 5151 | 0.00 | 502.18 | 310.00 | 192.18 | 83.28 |
| 5152 | 0.00 | 456.23 | 310.00 | 146.23 | 63.37 |
| | | | | | |
| 5153 | 0.00 | 454.00 | 340.00 | 114.00 | 49.40 |
| 5154 | 0.00 | 457.09 | 330.00 | 127.09 | 55.07 |
| 5 155 | 0.00 | 457.39 | 315.00 | 142.39 | 61.70 |
| 5156 | 0.00 | 458.17 | 290.00 | 168.17 | 72.88 |
| | | | | | |
| 5157 | 0.00 | 458.64 | 260.00 | 198.64 | 86.08 |
| 5158 | 0.00 | 465.07 | 240.00 | 225.07 | 97.53 |
| 5159 | 0.00 | 465.07 | 240.00 | 225.07 | 97.53 |
| 5160 | 0.00 | 465.07 | 285.00 | 180.07 | 78.03 |
| | | | | | |
| 5161 | 0.00 | 468.46 | 222.00 | 246.46 | 106.80 |
| 5162 | 0.00 | 473.21 | 265.00 | 208.21 | 90.22 |
| 5163 | 0.00 | 475.49 | 235.00 | 240.49 | 104.21 |
| 5164 | 0.00 | 476.57 | 258.00 | 218.57 | 94.71 |
| 5165 | 0.00 | 479.64 | | | 77.84 |
| | | | 300.00 | 179.64 | |
| 5166 | 0.00 | 480.50 | 300.00 | 180.50 | 78.22 |
| 5167 | 0.00 | 480.50 | 300.00 | 180.50 | 78.22 |
| 5168 | 0.00 | 480.50 | 300.00 | 180.50 | 78.22 |
| 5169 | 0.00 | 481.78 | 250.00 | 231.78 | 100.44 |
| | | | | | |
| 5170 | 0.00 | 482.96 | 250.00 | 232.96 | 100.95 |
| 5171 | 0.00 | 488.02 | 300.00 | 188.02 | 81.48 |
| 5172 | 0.00 | 460.89 | 270.00 | 190.89 | 82.72 |
| 5173 | 0.00 | 446.34 | 290.00 | 156.34 | 67.75 |
| | | | | | |
| 5174 | 0.00 | 445.87 | 290.00 | 155.87 | 67.54 |
| 5175 | 0.00 | 445.87 | 270.00 | 175.87 | 76.21 |
| 5176 | 0.00 | 441.27 | 300.00 | 141.27 | 61.22 |
| 5177 | 0.00 | 438.37 | 280.00 | 158.37 | 68.63 |
| | 0.00 | | | | |
| 5178 | | 441.13 | 240.00 | 201.13 | 87.16 |
| 5179 | 0.00 | 441.13 | 300.00 | 141.13 | 61.16 |
| 5180 | 0.00 | 436.87 | 280.00 | 156.87 | 67.98 |
| 5181 | 0.00 | 436.87 | 280.00 | 156.87 | 67.98 |
| 5182 | 0.00 | 435.18 | 275.00 | 160.18 | 69.41 |
| | | | | | |
| 5183 | 0.00 | 433.67 | 265.00 | 168.67 | 73.09 |
| 5184 | 0.00 | 433.56 | 265.00 | 168.56 | 73.04 |
| 5185 | 0.00 | 430.85 | 264.00 | 166.85 | 72.30 |
| 5186 | 0.00 | 430.83 | 264.00 | 166.83 | 72.29 |
| | | | | | |
| 5187 | 0.00 | 430.63 | 260.00 | 170.63 | 73.94 |
| 5188 | 0.00 | 429.22 | 270.00 | 159.22 | 69.00 |
| 5189 | 0.00 | 427.30 | 260.00 | 167.30 | 72.49 |
| 5190 | 0.00 | 426.02 | 229.00 | 197.02 | 85.38 |
| | | 421.15 | | | |
| 5191 | 0.00 | | 214.00 | 207.15 | 89.76 |
| 5192 | 0.00 | 420.96 | 214.00 | 206.96 | 89.68 |
| 5193 | 0.00 | 419.02 | 220.00 | 199.02 | 86.24 |
| 5194 | 0.00 | 409.14 | 216.00 | 193.14 | 83.69 |
| | | | | | |
| 5195 | 0.00 | 408.95 | 216.00 | 192.95 | 83.61 |
| 5196 | 0.00 | 406.85 | 202.00 | 204.85 | 88.77 |
| 5197 | 0.00 | 406.83 | 202.00 | 204.83 | 88.76 |
| 5198 | 0.00 | 398.59 | 181.00 | 217.59 | 94.29 |
| | | | | | |
| 5199 | 0.00 | 395.74 | 186.00 | 209.74 | 90.89 |
| 5200 | 0.00 | 395.39 | 186.00 | 209.39 | 90.74 |
| 5201 | 0.00 | 394.32 | 180.00 | 214.32 | 92.87 |
| | | | | | |

| 5202 | 0.00 | 392.61 | 180.00 | 212.61 | 92.13 |
|------|------|--------|--------|----------------|--------|
| 5203 | 0.00 | 391.26 | | | |
| | | | 180.00 | 211.26 | 91.55 |
| 5204 | 0.00 | 391.01 | 180.00 | 211.01 | 91.44 |
| 5205 | 0.00 | 390.96 | 180.00 | 210.96 | 91.41 |
| 5207 | 0.00 | 471.74 | 360.00 | 111.74 | 48.42 |
| | | | | | |
| 5209 | 0.00 | 461.64 | 351.00 | 110.64 | 47.94 |
| 5210 | 0.00 | 458.44 | 340.00 | 118.44 | 51.32 |
| 5211 | 0.00 | 458.16 | 340.00 | 118.16 | 51.20 |
| 5212 | 0.00 | 530.40 | | | |
| | | | 330.00 | 200.40 | 86.84 |
| 5213 | 0.00 | 530.40 | 330.00 | 200.40 | 86.84 |
| 5214 | 0.00 | 530.37 | 330.00 | 200.37 | 86.83 |
| 5215 | 0.00 | 532.40 | 335.00 | 197.40 | 85.54 |
| 5216 | 0.00 | | | | |
| | | 537.77 | 340.00 | 197.77 | 85.70 |
| 5217 | 0.00 | 539.38 | 345.00 | 194.38 | 84.23 |
| 5218 | 0.00 | 540.12 | 350.00 | 190.12 | 82.38 |
| 5219 | 0.00 | 384.86 | 314.00 | 70.86 | 30.71 |
| | 0.00 | | | | |
| 5220 | | 384.86 | 300.00 | 84.86 | 36.77 |
| 5221 | 0.00 | 539.69 | 350.00 | 189.69 | 82.20 |
| 5222 | 0.00 | 490.87 | 310.00 | 180.87 | 78.38 |
| 5223 | 0.00 | 489.19 | 310.00 | 179.19 | 77.65 |
| | | | | | |
| 5224 | 0.00 | 489.14 | 310.00 | 179.14 | 77.63 |
| 5225 | 0.00 | 487.62 | 310.00 | 177.62 | 76.97 |
| 5226 | 0.00 | 487.55 | 310.00 | 177.55 | 76.94 |
| | 0.00 | | | | |
| 5227 | | 482.40 | 290.00 | 192.40 | 83.37 |
| 5228 | 0.00 | 483.71 | 290.00 | 193.7 1 | 83.94 |
| 5229 | 0.00 | 482.26 | 290.00 | 192.26 | 83.31 |
| 5230 | 0.00 | 481.34 | 300.00 | 181.34 | 78.58 |
| | | | | | |
| 5231 | 0.00 | 474.34 | 260.00 | 214.34 | 92.88 |
| 5232 | 0.00 | 472.35 | 270.00 | 202.35 | 87.68 |
| 5233 | 0.00 | 457.82 | 270.00 | 187.82 | 81.39 |
| 5234 | 0.00 | 444.96 | 280.00 | | |
| | | | | 164.96 | 71.48 |
| 5235 | 0.00 | 397.63 | 300.00 | 97.63 | 42.31 |
| 5236 | 0.00 | 397.26 | 300.00 | 97.26 | 42.14 |
| 5237 | 0.00 | 416.14 | 280.00 | 136.14 | 58.99 |
| | 0.00 | | | | |
| 5238 | | 415.96 | 280.00 | 135.96 | 58.91 |
| 5239 | 0.00 | 424.44 | 242.00 | 182.44 | 79.06 |
| 5240 | 0.00 | 433.43 | 280.00 | 153.43 | 66.49 |
| 5241 | 0.00 | 446.01 | 240.00 | 206.01 | 89.27 |
| | | | | | |
| 5242 | 0.00 | 459.23 | 290.00 | 169.23 | 73.33 |
| 5243 | 0.00 | 459.18 | 290.00 | 169.18 | 73.31 |
| 5244 | 0.00 | 466.95 | 295.00 | 171.95 | 74.51 |
| 5245 | 0.00 | 478.36 | 312.00 | 166.36 | 72.09 |
| | | | | | |
| 5246 | 0.00 | 484.31 | 300.00 | 184.31 | 79.87 |
| 5247 | 0.00 | 505.91 | 296.00 | 209.91 | 90.96 |
| 5248 | 0.00 | 505.15 | 270.00 | 235.15 | 101.90 |
| 5249 | 0.00 | 514.22 | 302.00 | | 91.96 |
| | | | | 212.22 | |
| 5250 | 0.00 | 518.63 | 290.00 | 228.63 | 99.07 |
| 5251 | 0.00 | 523.01 | 270.00 | 253.01 | 109.64 |
| 5252 | 0.00 | 532.30 | 310.00 | 222.30 | 96.33 |
| | | 583.12 | | | |
| 5253 | 0.00 | | 310.00 | 273.12 | 118.35 |
| 5254 | 0.00 | 476.24 | 330.00 | 146.24 | 63.37 |
| 5255 | 0.00 | 476.23 | 320.00 | 156.23 | 67.70 |
| 5256 | 0.00 | 476.23 | 320.00 | 156.23 | 67.70 |
| | | | | | |
| 5257 | 0.00 | 476.23 | 270.00 | 206.23 | 89.37 |
| 5258 | 0.00 | 475.84 | 320.00 | 155.84 | 67.53 |
| 5259 | 0.00 | 475.80 | 320.00 | 155.80 | 67.51 |
| 5260 | 0.00 | 474.19 | 350.00 | 124.19 | 53.81 |
| | | | | | |
| 5261 | 0.00 | 472.54 | 360.00 | 112.54 | 48.77 |
| 5262 | 0.00 | 582.92 | 310.00 | 272.92 | 118.27 |
| 5263 | 0.00 | 578.89 | 245.00 | 333.89 | 144.69 |
| | 0.00 | | | | |
| 5264 | | 572.41 | 186.00 | 386.41 | 167.44 |
| 5265 | 0.00 | 571.23 | 212.00 | 359.23 | 155.67 |
| 5266 | 0.00 | 570.04 | 219.00 | 351.04 | 152.12 |
| 5267 | 0.00 | 567.94 | 225.00 | 342.94 | 148.61 |
| | | | | | |
| 5268 | 0.00 | 566.21 | 230.00 | 336.21 | 145.69 |
| 5269 | 0.00 | 564.88 | 300.00 | 264.88 | 114.78 |
| 5270 | 0.00 | 564.87 | 300.00 | 264.87 | 114.78 |
| | 0.00 | | | | |
| 5271 | | 564.38 | 320.00 | 244.38 | 105.90 |
| 5272 | 0.00 | 564.38 | 320.00 | 244.38 | 105.90 |
| 5273 | 0.00 | 563.38 | 273.00 | 290.38 | 125.83 |
| | 0.00 | 626.78 | 319.00 | 307.78 | 133.37 |
| 5274 | 0.00 | | | | |

| 5275 | 0.00 | 625.29 | 319.00 | 306.29 | 132.72 |
|------|------|--------|--------|--------|--------|
| 5276 | 0.00 | 602.47 | 235.00 | 367.47 | 159.24 |
| 5277 | 0.00 | 585.01 | 331.00 | 254.01 | 110.07 |
| 5278 | 0.00 | 554.55 | 340.00 | 214.55 | 92.97 |
| | | | | | |
| 5279 | 0.00 | 546.95 | 250.00 | 296.95 | 128.68 |
| 5280 | 0.00 | 538.24 | 286.00 | 252.24 | 109.31 |
| 5281 | 0.00 | 540.64 | 273.00 | 267.64 | 115.98 |
| 5282 | 0.00 | 518.61 | 310.00 | 208.61 | 90.40 |
| 5283 | 0.00 | 510.63 | 323.00 | 187.63 | 81.31 |
| 5284 | 0.00 | 507.03 | 320.00 | 187.03 | 81.05 |
| | | | | | |
| 5285 | 0.00 | 506.28 | 300.00 | 206.28 | 89.39 |
| 5286 | 0.00 | 491.70 | 300.00 | 191.70 | 83.07 |
| 5287 | 0.00 | 507.78 | 320.00 | 187.78 | 81.37 |
| 5288 | 0.00 | 619.57 | 340.00 | 279.57 | 121.15 |
| 5289 | 0.00 | 619.10 | 300.00 | 319.10 | 138.28 |
| 5290 | 0.00 | 612.33 | 282.00 | 330.33 | 143.14 |
| | 0.00 | 565.91 | 210.00 | 355.91 | |
| 5291 | | | | | 154.23 |
| 5292 | 0.00 | 513.44 | 200.00 | 313.44 | 135.82 |
| 5293 | 0.00 | 491.18 | 300.00 | 191.18 | 82.84 |
| 5294 | 0.00 | 465.75 | 250.00 | 215.75 | 93.49 |
| 5295 | 0.00 | 454.94 | 190.00 | 264.94 | 114.81 |
| 5296 | 0.00 | 620.20 | 340.00 | 280.20 | 121.42 |
| 5297 | 0.00 | 619.14 | 340.00 | 279.14 | 120.96 |
| | | | | | |
| 5298 | 0.00 | 617.30 | 340.00 | 277.30 | 120.17 |
| 5299 | 0.00 | 592.83 | 390.00 | 202.83 | 87.89 |
| 5300 | 0.00 | 509.94 | 437.00 | 72.94 | 31.61 |
| 5301 | 0.00 | 502.52 | 457.00 | 45.52 | 19.73 |
| 5302 | 0.00 | 502.49 | 360.00 | 142.49 | 61.75 |
| 5303 | 0.00 | 502.49 | 350.00 | 152.49 | 66.08 |
| | | | | | |
| 5304 | 0.00 | 485.47 | 397.00 | 88.47 | 38.33 |
| 5305 | 0.00 | 455.61 | 260.00 | 195.61 | 84.77 |
| 5306 | 0.00 | 451.00 | 265.00 | 186.00 | 80.60 |
| 5307 | 0.00 | 443.48 | 240.00 | 203.48 | 88.18 |
| 5308 | 0.00 | 440.99 | 220.00 | 220.99 | 95.76 |
| 5309 | 0.00 | 440.17 | 200.00 | 240.17 | 104.08 |
| | 0.00 | 439.95 | 210.00 | 229.95 | 99.64 |
| 5310 | | | | | |
| 5311 | 0.00 | 440.26 | 230.00 | 210.26 | 91.11 |
| 5312 | 0.00 | 454.39 | 280.00 | 174.39 | 75.57 |
| 5313 | 0.00 | 451.01 | 248.00 | 203.01 | 87.97 |
| 5314 | 0.00 | 433.88 | 241.00 | 192.88 | 83.58 |
| 5315 | 0.00 | 411.67 | 211.00 | 200.67 | 86.96 |
| 5316 | 0.00 | 408.08 | 205.00 | 203.08 | 88.00 |
| | | | | | |
| 5317 | 0.00 | 407.33 | 200.00 | 207.33 | 89.84 |
| 5318 | 0.00 | 406.30 | 200.00 | 206.30 | 89.40 |
| 5319 | 0.00 | 407.46 | 210.00 | 197.46 | 85.57 |
| 5320 | 0.00 | 405.09 | 200.00 | 205.09 | 88.87 |
| 5321 | 0.00 | 508.33 | 323.00 | 185.33 | 80.31 |
| 5322 | 0.00 | 404.96 | 210.00 | 194.96 | 84.48 |
| 5323 | 0.00 | 404.91 | 220.00 | 184.91 | 80.13 |
| | | | | | |
| 5324 | 0.00 | 404.91 | 220.00 | 184.91 | 80.13 |
| 5325 | 0.00 | 436.68 | 215.00 | 221.68 | 96.06 |
| 5326 | 0.00 | 507.55 | 365.00 | 142.55 | 61.77 |
| 5327 | 0.00 | 432.65 | 240.00 | 192.65 | 83.48 |
| 5328 | 0.00 | 422.02 | 270.00 | 152.02 | 65.88 |
| 5329 | 0.00 | 420.42 | 252.00 | 168.42 | 72.98 |
| 5330 | 0.00 | 420.32 | 271.00 | 149.32 | 64.70 |
| | | | | | |
| 5331 | 0.00 | 416.85 | 300.00 | 116.85 | 50.63 |
| 5332 | 0.00 | 414.97 | 185.00 | 229.97 | 99.65 |
| 5333 | 0.00 | 414.83 | 207.00 | 207.83 | 90.06 |
| 5334 | 0.00 | 504.53 | 310.00 | 194.53 | 84.30 |
| 5335 | 0.00 | 375.62 | 320.00 | 55.62 | 24.10 |
| 5336 | 0.00 | 415.90 | 240.00 | 175.90 | 76.22 |
| | | | 230.00 | | |
| 5337 | 0.00 | 411.68 | | 181.68 | 78.73 |
| 5338 | 0.00 | 406.86 | 216.00 | 190.86 | 82.71 |
| 5339 | 0.00 | 409.17 | 220.00 | 189.17 | 81.97 |
| 5340 | 0.00 | 409.13 | 230.00 | 179.13 | 77.62 |
| 5341 | 0.00 | 390.24 | 197.00 | 193.24 | 83.74 |
| 5342 | 0.00 | 374.77 | 179.00 | 195.77 | 84.84 |
| | | | | | |
| 5343 | 0.00 | 370.35 | 180.00 | 190.35 | 82.49 |
| 5344 | 0.00 | 372.83 | 180.00 | 192.83 | 83.56 |
| 5345 | 0.00 | 370.45 | 180.00 | 190.45 | 82.53 |
| | | | | | |

| 5346 | 0.00 | 370.37 | 180.00 | 190.37 | 82.49 |
|------|------|--------|--------|--------|--------|
| 5347 | 0.00 | 368.33 | 190.00 | 178.33 | 77.28 |
| 5348 | 0.00 | 367.60 | 180.00 | 187.60 | 81.29 |
| | 0.00 | | | | |
| 5349 | | 354.50 | 190.00 | 164.50 | 71.28 |
| 5350 | 0.00 | 365.50 | 180.00 | 185.50 | 80.38 |
| 5351 | 0.00 | 350.39 | 210.00 | 140.39 | 60.84 |
| 5352 | 0.00 | 350.15 | 210.00 | 140.15 | 60.73 |
| 5353 | 0.00 | 349.65 | 230.00 | 119.65 | 51.85 |
| 5354 | 0.00 | 349.05 | 220.00 | 129.05 | |
| | | | | | 55.92 |
| 5355 | 0.00 | 349.03 | 215.00 | 134.03 | 58.08 |
| 5356 | 0.00 | 348.88 | 230.00 | 118.88 | 51.52 |
| 5357 | 0.00 | 347.09 | 220.00 | 127.09 | 55.07 |
| 5358 | 0.00 | 346.82 | 220.00 | 126.82 | 54.96 |
| 5359 | 0.00 | 329.44 | 200.00 | 129.44 | |
| | | | | | 56.09 |
| 5360 | 0.00 | 325.53 | 210.00 | 115.53 | 50.06 |
| 5361 | 0.00 | 325.87 | 210.00 | 115.87 | 50.21 |
| 5362 | 0.00 | 325.84 | 210.00 | 115.84 | 50.20 |
| 5363 | 0.00 | 325.40 | 200.00 | 125.40 | 54.34 |
| 5364 | 0.00 | 324.71 | 200.00 | 124.71 | 54.04 |
| | 0.00 | 324.65 | | | |
| 5365 | | | 190.00 | 134.65 | 58.35 |
| 5366 | 0.00 | 328.00 | 190.00 | 138.00 | 59.80 |
| 5367 | 0.00 | 328.20 | 190.00 | 138.20 | 59.89 |
| 5368 | 0.00 | 329.54 | 190.00 | 139.54 | 60.47 |
| 5369 | 0.00 | 329.91 | 190.00 | 139.91 | 60.63 |
| 5370 | 0.00 | 329.77 | 200.00 | 129.77 | 56.23 |
| | | | | | |
| 5371 | 0.00 | 334.22 | 190.00 | 144.22 | 62.49 |
| 5372 | 0.00 | 334.35 | 190.00 | 144.35 | 62.55 |
| 5373 | 0.00 | 339.31 | 190.00 | 149.31 | 64.70 |
| 5374 | 0.00 | 338.81 | 210.00 | 128.81 | 55.82 |
| 5375 | 0.00 | 326.17 | 210.00 | 116.17 | 50.34 |
| 5376 | 0.00 | 312.77 | 240.00 | 72.77 | |
| | | | | | 31.53 |
| 5377 | 0.00 | 311.31 | 214.00 | 97.31 | 42.17 |
| 5378 | 0.00 | 310.52 | 205.00 | 105.52 | 45.72 |
| 5379 | 0.00 | 310.18 | 190.00 | 120.18 | 52.08 |
| 5380 | 0.00 | 306.49 | 200.00 | 106.49 | 46.15 |
| 5381 | 0.00 | 306.17 | 210.00 | 96.17 | 41.68 |
| 5382 | 0.00 | 372.44 | 186.00 | 186.44 | 80.79 |
| | | | | | |
| 5383 | 0.00 | 371.97 | 190.00 | 181.97 | 78.85 |
| 5384 | 0.00 | 371.83 | 185.00 | 186.83 | 80.96 |
| 5385 | 0.00 | 371.70 | 185.00 | 186.70 | 80.90 |
| 5386 | 0.00 | 371.60 | 190.00 | 181.60 | 78.69 |
| 5387 | 0.00 | 371.70 | 185.00 | 186.70 | 80.90 |
| | 0.00 | 371.73 | | | |
| 5388 | | | 185.00 | 186.73 | 80.92 |
| 5389 | 0.00 | 372.07 | 185.00 | 187.07 | 81.06 |
| 5390 | 0.00 | 371.47 | 190.00 | 181.47 | 78.64 |
| 5391 | 0.00 | 660.89 | 270.00 | 390.89 | 169.38 |
| 5392 | 0.00 | 675.73 | 365.00 | 310.73 | 134.65 |
| 5393 | 0.00 | 681.75 | 350.00 | 331.75 | 143.76 |
| | | | | | |
| 5394 | 0.00 | 685.27 | 380.00 | 305.27 | 132.28 |
| 5395 | 0.00 | 399.61 | 350.00 | 49.61 | 21.50 |
| 5396 | 0.00 | 408.73 | 321.00 | 87.73 | 38.01 |
| 5397 | 0.00 | 485.24 | 210.00 | 275.24 | 119.27 |
| 5398 | 0.00 | 366.38 | 207.00 | 159.38 | 69.07 |
| | | | | | |
| 5399 | 0.00 | 375.62 | 205.00 | 170.62 | 73.93 |
| 5400 | 0.00 | 362.11 | 193.00 | 169.11 | 73.28 |
| 5401 | 0.00 | 338.06 | 187.00 | 151.06 | 65.46 |
| 5402 | 0.00 | 335.17 | 185.00 | 150.17 | 65.07 |
| 5403 | 0.00 | 332.80 | 185.00 | 147.80 | 64.04 |
| 5404 | 0.00 | 332.59 | 185.00 | 147.59 | 63.96 |
| | 0.00 | | | | |
| 5405 | | 332.58 | 185.00 | 147.58 | 63.95 |
| 5406 | 0.00 | 334.66 | 185.00 | 149.66 | 64.85 |
| 5407 | 0.00 | 333.39 | 185.00 | 148.39 | 64.30 |
| 5408 | 0.00 | 329.06 | 185.00 | 144.06 | 62.43 |
| 5409 | 0.00 | 384.40 | 205.00 | 179.40 | 77.74 |
| | 0.00 | 387.77 | 200.00 | 187.77 | 81.37 |
| 5410 | | | | | |
| 5411 | 0.00 | 387.65 | 202.00 | 185.65 | 80.45 |
| 5412 | 0.00 | 387.59 | 202.00 | 185.59 | 80.42 |
| 5413 | 0.00 | 387.43 | 190.00 | 197.43 | 85.55 |
| 5414 | 0.00 | 389.25 | 195.00 | 194.25 | 84.17 |
| 5415 | 0.00 | 392.30 | 185.00 | 207.30 | 89.83 |
| | 0.00 | 390.17 | | | |
| 5416 | 0.00 | 350.1/ | 190.00 | 200.17 | 86.74 |

| 5417 | 0.00 | 391.95 | 185.00 | 206.95 | 89.68 |
|------|------|--------|--------|-----------------|-------|
| | | | | | |
| 5418 | 0.00 | 390.62 | 190.00 | 200.62 | 86.94 |
| 5419 | 0.00 | 390.25 | 190.00 | 200.25 | 86.77 |
| 5420 | 0.00 | 389.40 | 195.00 | 194.40 | 84.24 |
| | 0.00 | | | | |
| 5421 | | 388.57 | 190.00 | 198.57 | 86.05 |
| 5422 | 0.00 | 388.11 | 190.00 | 198.11 | 85.85 |
| 5423 | 0.00 | 387.78 | 190.00 | 197.78 | 85.70 |
| 5424 | 0.00 | 387.14 | | | |
| | | | 185.00 | 202.14 | 87.59 |
| 5425 | 0.00 | 387.11 | 185.00 | 202.11 | 87.58 |
| 5426 | 0.00 | 387.04 | 185.00 | 202.04 | 87.55 |
| 5427 | 0.00 | 385.43 | 185.00 | 200.43 | 86.85 |
| | | | | | |
| 5428 | 0.00 | 388.89 | 185.00 | 203.89 | 88.35 |
| 5429 | 0.00 | 387.18 | 185.00 | 202.18 | 87.61 |
| 5430 | 0.00 | 387.66 | 200.00 | 187.66 | 81.32 |
| 5431 | 0.00 | 387.67 | 200.00 | | |
| | | | | 187.67 | 81.32 |
| 5432 | 0.00 | 387.67 | 200.00 | 187.67 | 81.32 |
| 5433 | 0.00 | 387.03 | 185.00 | 202.03 | 87.55 |
| 5434 | 0.00 | 387.79 | 210.00 | 177.79 | 77.04 |
| | | | | | |
| 5435 | 0.00 | 387.76 | 210.00 | 177. 7 6 | 77.03 |
| 5436 | 0.00 | 388.11 | 231.00 | 157.11 | 68.08 |
| 5437 | 0.00 | 388.10 | 200.00 | 188.10 | 81.51 |
| | 0.00 | 388.19 | 200.00 | | |
| 5438 | | | | 188.19 | 81.55 |
| 5439 | 0.00 | 388.13 | 231.00 | 157.13 | 68.09 |
| 5440 | 0.00 | 388.26 | 231.00 | 157.26 | 68.15 |
| 5441 | 0.00 | 388.26 | 231.00 | 157.26 | 68.15 |
| | | | | | |
| 5442 | 0.00 | 388.35 | 205.00 | 183.35 | 79.45 |
| 5443 | 0.00 | 388.51 | 210.00 | 178.51 | 77.35 |
| 5444 | 0.00 | 388.50 | 210.00 | 178.50 | 77.35 |
| 5445 | 0.00 | 388.33 | 205.00 | 183.33 | 79.44 |
| | | | | | |
| 5446 | 0.00 | 388.06 | 205.00 | 183.06 | 79.33 |
| 5447 | 0.00 | 388.74 | 210.00 | 178.74 | 77.45 |
| 5448 | 0.00 | 389.20 | 210.00 | 179.20 | 77.65 |
| 5449 | 0.00 | 389.48 | 210.00 | 179.48 | 77.78 |
| 5450 | 0.00 | 388.39 | 220.00 | 168.39 | 72.97 |
| | 0.00 | | | | |
| 5451 | | 389.76 | 205.00 | 184.76 | 80.06 |
| 5452 | 0.00 | 390.12 | 195.00 | 195.12 | 84.55 |
| 5453 | 0.00 | 390.24 | 195.00 | 195.24 | 84.60 |
| 5454 | 0.00 | 390.16 | 195.00 | 195.16 | 84.57 |
| 5455 | 0.00 | 390.03 | 195.00 | 195.03 | 84.51 |
| | | | | | |
| 5456 | 0.00 | 389.90 | 195.00 | 194.90 | 84.46 |
| 5457 | 0.00 | 389.55 | 195.00 | 194.55 | 84.31 |
| 5458 | 0.00 | 388.98 | 185.00 | 203.98 | 88.39 |
| 5459 | 0.00 | 390.13 | 195.00 | 195.13 | 84.56 |
| | | | | | |
| 5460 | 0.00 | 389.95 | 195.00 | 194.95 | 84.48 |
| 5461 | 0.00 | 389.35 | 210.00 | 179.35 | 77.72 |
| 5462 | 0.00 | 200.50 | 185.00 | 15.50 | 6.72 |
| 5463 | 0.00 | 216.03 | 190.00 | 26.03 | 11.28 |
| 5464 | 0.00 | 390.27 | 190.00 | 200.27 | 86.78 |
| | | | | | |
| 5465 | 0.00 | 390.13 | 185.00 | 205.13 | 88.89 |
| 5466 | 0.00 | 387.57 | 190.00 | 197.57 | 85.61 |
| 5467 | 0.00 | 387.59 | 190.00 | 197.59 | 85.62 |
| | 0.00 | 387.78 | 190.00 | 197.78 | 85.70 |
| 5468 | | | | | |
| 5469 | 0.00 | 388.16 | 195.00 | 193.16 | 83.70 |
| 5470 | 0.00 | 386.66 | 185.00 | 201.66 | 87.39 |
| 5471 | 0.00 | 383.65 | 185.00 | 198.65 | 86.08 |
| 5472 | 0.00 | 383.82 | 185.00 | 198.82 | 86.16 |
| | | | | | |
| 5473 | 0.00 | 383.41 | 185.00 | 198.41 | 85.98 |
| 5474 | 0.00 | 382.47 | 185.00 | 197.47 | 85.57 |
| 5475 | 0.00 | 383.41 | 190.00 | 193.41 | 83.81 |
| 5476 | 0.00 | 383.42 | 190.00 | 193.42 | 83.82 |
| | | | | | |
| 5477 | 0.00 | 382.47 | 185.00 | 197.47 | 85.57 |
| 5478 | 0.00 | 382.38 | 185.00 | 197.38 | 85.53 |
| 5479 | 0.00 | 381.81 | 185.00 | 196.81 | 85.28 |
| 5480 | 0.00 | 381.69 | 185.00 | 196.69 | 85.23 |
| | | | | | |
| 5481 | 0.00 | 382.32 | 185.00 | 197.32 | 85.51 |
| 5482 | 0.00 | 382.33 | 185.00 | 197.33 | 85.51 |
| 5483 | 0.00 | 382.33 | 185.00 | 197.33 | 85.51 |
| 5484 | 0.00 | 381.93 | 185.00 | 196.93 | 85.34 |
| | 0.00 | 381.91 | 185.00 | 196.91 | 85.33 |
| 5485 | | | | | |
| 5486 | 0.00 | 243.05 | 185.00 | 58.05 | 25.16 |
| 5487 | 0.00 | 294.73 | 185.00 | 109.73 | 47.55 |
| | | | | | |

| E 4 0 0 | 0.00 | 304.21 | 185.00 | 119.21 | E1 66 |
|---------|------|--------|--------|--------|--------|
| 5488 | | | | | 51.66 |
| 5489 | 0.00 | 286.80 | 185.00 | 101.80 | 44.11 |
| 5490 | 0.00 | 304.21 | 185.00 | 119.21 | 51.66 |
| 5491 | 0.00 | 304.79 | 185.00 | 119.79 | 51.91 |
| 5492 | 0.00 | 306.06 | 195.00 | 111.06 | 48.13 |
| 5493 | 0.00 | 305.83 | 195.00 | 110.83 | 48.03 |
| 5494 | 0.00 | 322.18 | 190.00 | 132.18 | 57.28 |
| 5495 | 0.00 | 322.18 | 190.00 | 132.18 | 57.28 |
| 5496 | 0.00 | 455.00 | 190.00 | 265.00 | 114.83 |
| | 0.00 | | | | |
| 5497 | | 398.52 | 190.00 | 208.52 | 90.36 |
| 5498 | 0.00 | 322.18 | 190.00 | 132.18 | 57.28 |
| 5499 | 0.00 | 391.29 | 260.00 | 131.29 | 56.89 |
| 5500 | 0.00 | 390.59 | 290.00 | 100.59 | 43.59 |
| 5501 | 0.00 | 389.52 | 250.00 | 139.52 | 60.46 |
| 5502 | 0.00 | 388.10 | 300.00 | 88.10 | 38.18 |
| 5503 | 0.00 | 555.89 | 280.00 | 275.89 | 119.55 |
| 5505 | 0.00 | 560.60 | 300.00 | 260.60 | 112.93 |
| 5506 | 0.00 | 560.67 | 300.00 | 260.67 | 112.96 |
| 5507 | 0.00 | 533.01 | 319.00 | 214.01 | 92.74 |
| 5508 | | | | | |
| | 0.00 | 523.56 | 208.00 | 315.56 | 136.74 |
| 5509 | 0.00 | 494.09 | 212.00 | 282.09 | 122.24 |
| 5510 | 0.00 | 491.20 | 175.00 | 316.20 | 137.02 |
| 5511 | 0.00 | 488.06 | 180.00 | 308.06 | 133.49 |
| 5512 | 0.00 | 485.86 | 190.00 | 295.86 | 128.21 |
| 5513 | 0.00 | 485.73 | 200.00 | 285.73 | 123.82 |
| 5514 | 0.00 | 488.46 | 180.00 | 308.46 | 133.66 |
| 5515 | 0.00 | 486.16 | 180.00 | 306.16 | 132.67 |
| 5516 | 0.00 | 425.19 | 240.00 | 185.19 | 80.25 |
| 5517 | 0.00 | 424.73 | 240.00 | 184.73 | 80.05 |
| | | | | | |
| 5518 | 0.00 | 411.49 | 281.00 | 130.49 | 56.54 |
| 5519 | 0.00 | 411.02 | 221.00 | 190.02 | 82.34 |
| 5520 | 0.00 | 410.91 | 220.00 | 190.91 | 82.73 |
| 5521 | 0.00 | 410.90 | 210.00 | 200.90 | 87.06 |
| 5522 | 0.00 | 410.90 | 220.00 | 190.90 | 82.72 |
| 5523 | 0.00 | 403.85 | 270.00 | 133.85 | 58.00 |
| 5524 | 0.00 | 386.34 | 230.00 | 156.34 | 67.75 |
| 5525 | 0.00 | 384.29 | 210.00 | 174.29 | 75.53 |
| 5526 | 0.00 | 384.28 | 210.00 | 174.28 | 75.52 |
| 5527 | 0.00 | 384.25 | 210.00 | 174.25 | 75.51 |
| 5528 | 0.00 | 383.90 | 210.00 | 173.90 | 75.36 |
| 5529 | 0.00 | 382.52 | 200.00 | 182.52 | 79.09 |
| 5530 | 0.00 | 376.16 | 210.00 | 166.16 | 72.00 |
| 5531 | 0.00 | 370.98 | 210.00 | 160.98 | 69.76 |
| 5532 | 0.00 | 369.02 | 210.00 | 159.02 | 68.91 |
| | 0.00 | | | | |
| 5533 | | 410.34 | 240.00 | 170.34 | 73.82 |
| 5534 | 0.00 | 410.33 | 240.00 | 170.33 | 73.81 |
| 5535 | 0.00 | 409.62 | 240.00 | 169.62 | 73.50 |
| 5536 | 0.00 | 407.58 | 250.00 | 157.58 | 68.29 |
| 5537 | 0.00 | 405.37 | 250.00 | 155.37 | 67.33 |
| 5538 | 0.00 | 406.20 | 250.00 | 156.20 | 67.69 |
| 5539 | 0.00 | 393.87 | 240.00 | 153.87 | 66.68 |
| 5540 | 0.00 | 374.44 | 200.00 | 174.44 | 75.59 |
| 5541 | 0.00 | 349.36 | 190.00 | 159.36 | 69.06 |
| 5542 | 0.00 | 315.12 | 190.00 | 125.12 | 54.22 |
| 5543 | 0.00 | 511.65 | 310.00 | 201.65 | 87.38 |
| 5544 | 0.00 | 499.48 | 315.00 | 184.48 | 79.94 |
| | | | | | |
| 5545 | 0.00 | 498.31 | 310.00 | 188.31 | 81.60 |
| 5546 | 0.00 | 491.51 | 315.00 | 176.51 | 76.49 |
| 5547 | 0.00 | 489.30 | 300.00 | 189.30 | 82.03 |
| 5548 | 0.00 | 489.22 | 300.00 | 189.22 | 82.00 |
| 5549 | 0.00 | 488.37 | 295.00 | 193.37 | 83.79 |
| 5550 | 0.00 | 485.91 | 295.00 | 190.91 | 82.73 |
| 5551 | 0.00 | 477.30 | 280.00 | 197.30 | 85.50 |
| 5552 | 0.00 | 477.29 | 280.00 | 197.29 | 85.49 |
| 5553 | 0.00 | 475.94 | 280.00 | 195.94 | 84.91 |
| 5554 | 0.00 | 470.60 | 225.00 | 245.60 | 106.43 |
| 5555 | 0.00 | 475.86 | 260.00 | 215.86 | 93.54 |
| 5556 | 0.00 | 475.52 | 270.00 | 205.52 | 89.06 |
| 5557 | 0.00 | 359.05 | 290.00 | 69.05 | 29.92 |
| | 0.00 | | 290.00 | 68.98 | |
| 5558 | | 358.98 | | | 29.89 |
| 5559 | 0.00 | 358.86 | 290.00 | 68.86 | 29.84 |

| | 0.00 | 252.26 | 000 00 | | |
|------|------|--------|--------|--------|--------|
| 5560 | 0.00 | 358.86 | 290.00 | 68.86 | 29.84 |
| 5561 | 0.00 | 358.86 | 290.00 | 68.86 | 29.84 |
| 5562 | 0.00 | 358.66 | 290.00 | 68.66 | 29.75 |
| 5563 | 0.00 | 354.23 | 280.00 | 74.23 | 32.16 |
| 5564 | 0.00 | 354.19 | 280.00 | 74.19 | 32.15 |
| 5565 | 0.00 | 346.09 | 260.00 | 86.09 | 37.30 |
| 5566 | 0.00 | 346.08 | 260.00 | 86.08 | 37.30 |
| 5567 | 0.00 | 346.08 | 260.00 | 86.08 | 37.30 |
| 5568 | 0.00 | 346.07 | 260.00 | 86.07 | 37.30 |
| 5569 | 0.00 | | | | |
| | | 345.44 | 260.00 | 85.44 | 37.03 |
| 5570 | 0.00 | 463.88 | 264.00 | 199.88 | 86.62 |
| 5571 | 0.00 | 345.17 | 195.00 | 150.17 | 65.08 |
| 5572 | 0.00 | 350.72 | 260.00 | 90.72 | 39.31 |
| 5573 | 0.00 | 353.08 | 270.00 | 83.08 | 36.00 |
| 5574 | 0.00 | 352.49 | 260.00 | 92.49 | 40.08 |
| 5575 | 0.00 | 359.36 | 270.00 | 89.36 | 38.72 |
| 5576 | 0.00 | 359.19 | 270.00 | 89.19 | 38.65 |
| 5577 | 0.00 | 359.07 | 250.00 | 109.07 | 47.26 |
| 5578 | 0.00 | 513.92 | 269.00 | 244.92 | 106.13 |
| 5579 | 0.00 | 323.39 | 269.00 | 54.39 | 23.57 |
| 5580 | 0.00 | 363.74 | 250.00 | 113.74 | 49.29 |
| 5581 | 0.00 | 369.06 | 215.00 | 154.06 | 66.76 |
| 5582 | 0.00 | 372.19 | 190.00 | 182.19 | 78.95 |
| 5583 | 0.00 | 389.70 | 310.00 | 79.70 | 34.54 |
| 5584 | 0.00 | 389.85 | 310.00 | 79.85 | 34.60 |
| 5585 | 0.00 | 389.96 | 310.00 | 79.96 | |
| 5586 | 0.00 | 389.72 | | | 34.65 |
| | 0.00 | 387.49 | 318.00 | 71.72 | 31.08 |
| 5587 | | | 300.00 | 87.49 | 37.91 |
| 5588 | 0.00 | 386.74 | 300.00 | 86.74 | 37.59 |
| 5589 | 0.00 | 383.83 | 280.00 | 103.83 | 44.99 |
| 5590 | 0.00 | 383.17 | 280.00 | 103.17 | 44.71 |
| 5591 | 0.00 | 381.21 | 290.00 | 91.21 | 39.52 |
| 5592 | 0.00 | 378.78 | 212.00 | 166.78 | 72.27 |
| 5593 | 0.00 | 375.57 | 191.00 | 184.57 | 79.98 |
| 5594 | 0.00 | 366.38 | 216.00 | 150.38 | 65.17 |
| 5595 | 0.00 | 380.58 | 290.00 | 90.58 | 39.25 |
| 5596 | 0.00 | 380.22 | 290.00 | 90.22 | 39.09 |
| 5597 | 0.00 | 378.49 | 187.00 | 191.49 | 82.98 |
| 5598 | 0.00 | 376.45 | 230.00 | 146.45 | 63.46 |
| 5599 | 0.00 | 375.83 | 220.00 | 155.83 | 67.53 |
| 5600 | 0.00 | 375.40 | 210.00 | 165.40 | 71.68 |
| 5601 | 0.00 | 374.73 | 200.00 | 174.73 | 75.71 |
| 5602 | 0.00 | 387.12 | 190.00 | 197.12 | 85.42 |
| 5603 | 0.00 | 374.52 | 200.00 | 174.52 | 75.62 |
| 5604 | 0.00 | 373.97 | 190.00 | 183.97 | 79.72 |
| 5605 | 0.00 | 372.58 | 185.00 | 187.58 | 81.28 |
| 5606 | 0.00 | 372.51 | 200.00 | 172.51 | 74.75 |
| | 0.00 | | 240.00 | | |
| 5607 | | 369.68 | | 129.68 | 56.20 |
| 5608 | 0.00 | 369.11 | 248.00 | 121.11 | 52.48 |
| 5609 | 0.00 | 359.69 | 261.00 | 98.69 | 42.76 |
| 5610 | 0.00 | 483.56 | 195.00 | 288.56 | 125.04 |
| 5611 | 0.00 | 482.99 | 190.00 | 292.99 | 126.96 |
| 5612 | 0.00 | 369.05 | 240.00 | 129.05 | 55.92 |
| 5613 | 0.00 | 368.68 | 210.00 | 158.68 | 68.76 |
| 5614 | 0.00 | 199.35 | 190.00 | 9.35 | 4.05 |
| 5615 | 0.00 | 304.70 | 185.00 | 119.70 | 51.87 |
| 5616 | 0.00 | 304.45 | 185.00 | 119.45 | 51.76 |
| 5617 | 0.00 | 398.57 | 190.00 | 208.57 | 90.38 |
| 5618 | 0.00 | 554.86 | 260.00 | 294.86 | 127.77 |
| 5619 | 0.00 | 554.27 | 260.00 | 294.27 | 127.52 |
| 5620 | 0.00 | 554.42 | 290.00 | 264.42 | 114.58 |
| 5621 | 0.00 | 489.96 | 180.00 | 309.96 | 134.32 |
| 5622 | 0.00 | 485.98 | 180.00 | 305.98 | 132.59 |
| 5623 | 0.00 | 487.52 | 180.00 | 307.52 | 133.26 |
| | | | | | |
| 5624 | 0.00 | 485.21 | 180.00 | 305.21 | 132.26 |
| 5625 | 0.00 | 485.35 | 200.00 | 285.35 | 123.65 |
| 5626 | 0.00 | 401.21 | 225.00 | 176.21 | 76.36 |
| 5627 | 0.00 | 401.04 | 235.00 | 166.04 | 71.95 |
| 5628 | 0.00 | 400.95 | 235.00 | 165.95 | 71.91 |
| 5629 | 0.00 | 399.09 | 200.00 | 199.09 | 86.27 |
| 5630 | 0.00 | 400.85 | 225.00 | 175.85 | 76.20 |
| | | | | | |

| 5631 | 0.00 | 400.80 | 225.00 | 175.80 | 76.18 |
|------|-------------|--------|--------|--------|--------|
| 5632 | 0.00 | 400.79 | 225.00 | 175.79 | 76.17 |
| 5633 | 0.00 | 400.69 | 220.00 | 180.69 | 78.30 |
| | | | | | |
| 5634 | 0.00 | 399.61 | 210.00 | 189.61 | 82.17 |
| 5635 | 0.00 | 399.46 | 200.00 | 199.46 | 86.43 |
| 5636 | 0.00 | 400.61 | 210.00 | 190.61 | 82.60 |
| | | | | | |
| 5637 | 0.00 | 400.63 | 210.00 | 190.63 | 82.61 |
| 5638 | 0.00 | 400.72 | 215.00 | 185.72 | 80.48 |
| 5639 | 0.00 | 400.72 | 215.00 | 185.72 | 80.48 |
| | 0.00 | | | | |
| 5640 | | 400.72 | 215.00 | 185.72 | 80.48 |
| 5641 | 0.00 | 400.65 | 215.00 | 185.65 | 80.45 |
| 5642 | 0.00 | 400.48 | 210.00 | 190.48 | 82.54 |
| 5643 | 0.00 | 400.51 | 215.00 | 185.51 | 80.39 |
| | | | | | |
| 5644 | 0.00 | 400.37 | 240.00 | 160.37 | 69.49 |
| 5645 | 0.00 | 400.26 | 240.00 | 160.26 | 69.45 |
| 5646 | 0.00 | 400.28 | 240.00 | 160.28 | 69.46 |
| 5647 | 0.00 | 400.29 | 240.00 | 160.29 | 69.46 |
| | | | | | |
| 5648 | 0.00 | 400.16 | 230.00 | 170.16 | 73.74 |
| 5649 | 0.00 | 400.10 | 210.00 | 190.10 | 82.38 |
| 5650 | 0.00 | 399.87 | 200.00 | 199.87 | 86.61 |
| 5651 | 0.00 | 482.49 | 190.00 | 292.49 | 126.75 |
| | | | | | |
| 5652 | 0.00 | 482.29 | 190.00 | 292.29 | 126.66 |
| 5653 | 0.00 | 482.29 | 190.00 | 292.29 | 126.66 |
| 5654 | 0.00 | 482.26 | 190.00 | 292.26 | 126.65 |
| 5655 | 0.00 | 482.23 | 190.00 | 292.23 | 126.63 |
| | | | | | |
| 5656 | 0.00 | 481.87 | 185.00 | 296.87 | 128.64 |
| 5657 | 0.00 | 481.74 | 185.00 | 296.74 | 128.59 |
| 5658 | 0.00 | 480.71 | 190.00 | 290.71 | 125.98 |
| | | | | | |
| 5659 | 0.00 | 480.68 | 190.00 | 290.68 | 125.96 |
| 5660 | 0.00 | 484.72 | 195.00 | 289.72 | 125.55 |
| 5661 | 0.00 | 560.55 | 300.00 | 260.55 | 112.91 |
| 5662 | 0.00 | 366.64 | 280.00 | 86.64 | 37.54 |
| | | | | | |
| 5663 | 0.00 | 471.91 | 300.00 | 171.91 | 74.49 |
| 5664 | 0.00 | 471.90 | 310.00 | 161.90 | 70.16 |
| 5665 | 0.00 | 373.25 | 190.00 | 183.25 | 79.41 |
| 5666 | 0.00 | 409.71 | 230.00 | 179.71 | 77.87 |
| 5667 | 0.00 | 480.44 | 400.00 | 80.44 | |
| | | | | | 34.86 |
| 5668 | 0.00 | 625.00 | 560.00 | 65.00 | 28.17 |
| 7000 | 1.25(1.25) | 571.24 | 430.00 | 141.24 | 61.20 |
| 7001 | 1.25(1.25) | 571.81 | 410.00 | 161.81 | 70.12 |
| | 1.25(1.25) | | | | |
| 7002 | | | 380.00 | 194.57 | 84.31 |
| 7003 | 1.25(1.25) | 575.83 | 410.00 | 165.83 | 71.86 |
| 7004 | 1.25(1.25) | 619.85 | 400.00 | 219.85 | 95.27 |
| 7005 | 1.25(1.25) | 624.83 | 530.00 | 94.83 | 41.09 |
| 7006 | 1.25(1.25) | | 540.00 | | |
| | | | | 84.76 | 36.73 |
| 7007 | 1.25(1.25) | 646.46 | 445.00 | 201.46 | 87.30 |
| 7008 | 1.25(1.25) | 482.26 | 400.00 | 82.26 | 35.65 |
| 7009 | 1.25(1.25) | 564.34 | 300.00 | 264.34 | 114.55 |
| | 1.25(1.25) | 561.91 | | 171.91 | |
| 7010 | | | 390.00 | | 74.49 |
| 7011 | 1.25 (1.25) | | 280.00 | 280.66 | 121.62 |
| 7012 | 1.25(1.25) | 554.99 | 310.00 | 244.99 | 106.16 |
| 7013 | 1.25(1.25) | 507.79 | 365.00 | 142.79 | 61.88 |
| 7014 | 1.25(1.25) | | 360.00 | 112.48 | 48.74 |
| | | | | | |
| 7015 | 1.25(1.25) | 510.51 | 380.00 | 130.51 | 56.55 |
| 7016 | 1.25(1.25) | 504.20 | 320.00 | 184.20 | 79.82 |
| 7017 | 1.25(1.25) | 505.29 | 340.00 | 165.29 | 71.63 |
| 7018 | 1.25(1.25) | 509.85 | 370.00 | 139.85 | 60.60 |
| | | | | | |
| 7019 | 1.25(1.25) | | 360.00 | 148.81 | 64.48 |
| 7020 | 1.25(1.25) | 508.15 | 360.00 | 148.15 | 64.20 |
| 7021 | 1.25(1.25) | 507.61 | 360.00 | 147.61 | 63.97 |
| 7022 | 1.25(1.25) | | 320.00 | 186.33 | 80.74 |
| | | | | | |
| 7023 | 1.25(1.25) | | 310.00 | 192.66 | 83.49 |
| 7024 | 1.25(1.25) | 505.25 | 305.00 | 200.25 | 86.78 |
| 7025 | 1.25(1.25) | 504.98 | 310.00 | 194.98 | 84.49 |
| 7026 | 1.25(1.25) | 504.51 | 360.00 | 144.51 | 62.62 |
| | 1.25(1.25) | | | | |
| 7027 | | | 350.00 | 153.58 | 66.55 |
| 7028 | 1.25(1.25) | | 290.00 | 146.84 | 63.63 |
| 7029 | 1.25(1.25) | 430.71 | 260.00 | 170.71 | 73.97 |
| 7030 | 1.25(1.25) | | 270.00 | 159.22 | 69.00 |
| 7031 | 1.25(1.25) | | 220.00 | 203.66 | 88.25 |
| | | | | | |
| 7032 | 1.25(1.25) | 421.15 | 214.00 | 207.15 | 89.76 |
| | | | | | |

| 7033 | 1.25(1.25) | 406.83 | 202.00 | 204.83 | 88.76 |
|--------------|--------------------------|--------|------------------|------------------|----------------|
| 7034 | 1.25(1.25) | 456.26 | 330.00 | 126.26 | 54.71 |
| 7035 | 1.25(1.25) | 371.07 | 345.00 | 26.07 | 11.30 |
| 7036 | 1.25(1.25) | 513.80 | 326.00 | 187.80 | 81.38 |
| 7037 | 1.25(1.25) | 480.40 | 310.00 | 170.40 | 73.84 |
| 7038 | 1.25(1.25) | 482.13 | 300.00 | 182.13 | 78.93 |
| 7039 | 1.25(1.25) | 530.20 | 300.00 | 230.20 | 99.75 |
| 7040 | 1.25(1.25) | 571.38 | 320.00 | 251.38 | 108.93 |
| 7041 | 1.25(1.25) | 592.88 | 290.00 | 302.88 | 131.25 |
| 7042 | 1.25(1.25) | | 290.00 | 285.89 | 123.89 |
| 7043 | 1.25(1.25) | | 425.00 | 159.71 | 69.21 |
| 7044 | 1.25(1.25) | | 470.00 | 20.72 | 8.98 |
| 7045 | 1.25(1.25) | | 275.00 | 187.40 | 81.21 |
| 7046 | 1.25(1.25) | | 215.00 | 195.33 | 84.64 |
| 7047 | 1.25(1.25) | | 215.00 | 195.66 | 84.79 |
| 7048 | 1.25(1.25) | | 210.00 | 200.23 | 86.77 |
| 7049 | 1.25(1.25) | | 210.00 | 199.20 | 86.32 |
| 7050 | 1.25(1.25) | | 210.00 | 195.71 | 84.81 |
| 7051 | 1.25(1.25) | | 225.00 | 180.24 | 78.11 |
| 7052 | 1.25(1.25) | | 215.00 | 221.59 | 96.02 |
| 7053
7054 | 1.25(1.25)
1.25(1.25) | | 215.00
260.00 | 221.53 | 96.00 |
| | 1.25(1.25) | | | 162.55 | 70.44 |
| 7055
7056 | 1.25(1.25) | | 270.00
190.00 | 151.64
142.04 | 65.71
61.55 |
| 7057 | 1.25(1.25) | | 185.00 | 186.44 | 80.79 |
| 7058 | 1.25(1.25) | | 185.00 | 186.67 | 80.79 |
| 7059 | 1.25(1.25) | | 185.00 | 186.70 | 80.90 |
| 7060 | 1.25(1.25) | | 185.00 | 186.10 | 80.64 |
| 7061 | 1.25(1.25) | | 185.00 | 185,91 | 80.56 |
| 7062 | 1.25(1.25) | | 185.00 | 185.83 | 80.53 |
| 7063 | 1.25(1.25) | | 200.00 | 188.10 | 81.51 |
| 7064 | 1.25(1.25) | | 220.00 | 168.75 | 73.13 |
| 7065 | 1.25(1.25) | | 220.00 | 168.74 | 73.12 |
| 7067 | 1.25(1.25) | 387.06 | 185.00 | 202.06 | 87.56 |
| 7070 | 1.25(1.25) | 309.81 | 200.00 | 109.81 | 47.59 |
| 7071 | 1.25(1.25) | 309.74 | 220.00 | 89.74 | 38.89 |
| 7072 | 1.25(1.25) | 653.13 | 380.00 | 273.13 | 118.36 |
| 7073 | 1.25(1.25) | 418.88 | 230.00 | 188.88 | 81.85 |
| 7074 | 1.25(1.25) | 475.46 | 260.00 | 215.46 | 93.37 |
| 7412 | 1.25(1.25) | 509.36 | 370.00 | 139.36 | 60.39 |
| 8001 | 1.25(1.25) | | 360.00 | 148.35 | 64.29 |
| 8002 | 1.25(1.25) | | 310.00 | 182.14 | 78.93 |
| 8003 | 1.25(1.25) | | 290.00 | 174.11 | 75.45 |
| 8004 | 1.25(1.25) | | 290.00 | 174.09 | 75.44 |
| 8005 | 1.25(1.25) | | 360.00 | 144.62 | 62.67 |
| 8006 | 1.25(1.25) | | 300.00 | 177.43 | 76.89 |
| 8007 | 1.25(1.25) | | 290.00 | 190.37 | 82.50 |
| 8008 | 1.25(1.25) | | 290.00 | 162.13 | 70.26 |
| 8009 | 1.25(1.25) | | 210.00 | 119.39 | 51.74 |
| 8010
8011 | 1.25(1.25) | | 190.00
190.00 | 132.36
128.09 | 57.36
55.51 |
| 8012 | 1.25(1.25) | | 210.00 | 116.86 | 50.64 |
| 8013 | 1.25(1.25) | | 210.00 | 116.86 | 50.64 |
| 8014 | 1.25(1.25) | | 200.00 | 136.68 | 59.23 |
| 8016 | 1.25(1.25) | | 185.00 | 147.58 | 63.95 |
| 8017 | 1.25(1.25) | | 185.00 | 202.75 | 87.86 |
| 8018 | 1.25(1.25) | | 220.00 | 180.12 | 78.05 |
| 8019 | 1.25(1.25) | | 220.00 | 168.62 | 73.07 |
| 8020 | 1.25(1.25) | | 200.00 | 187.72 | 81.35 |
| 8021 | 1.25(1.25) | | 200.00 | 187.67 | 81.32 |
| 8022 | 1.25(1.25) | | 298.00 | 90.10 | 39.04 |
| 8023 | 1.25(1.25) | | 200.00 | 188.18 | 81.55 |
| 8024 | 1.25(1.25) | | 360.00 | 111.58 | 48.35 |
| 8025 | 1.25(1.25) | | 200.00 | 110.44 | 47.86 |
| 8027 | 1.25(1.25) | 387.66 | 200.00 | 187.66 | 81.32 |
| 8028 | 1.25(1.25) | 386.64 | 185.00 | 201.64 | 87.38 |
| 8029 | 1.25(1.25) | 387.56 | 190.00 | 197.56 | 85.61 |
| 8030 | 1.25(1.25) | 387.57 | 190.00 | 197.57 | 85.61 |
| 8031 | 1.25(1.25) | | 190.00 | 197.49 | 85.58 |
| 8032 | 1.25(1.25) | | 300.00 | 257.35 | 111.52 |
| 8034 | 1.25(1.25) | 387.56 | 190.00 | 197.56 | 85.61 |
| | | | | | |

| 8035 | 1.25(1.25) | 388.07 | 195.00 | 193.07 | 83.66 |
|------------|---|--------|--------|--------|--------|
| | 1.25(1.25) | | | | |
| 8036 | | | 190.00 | 197.50 | 85.58 |
| 8037 | 1.25(1.25) | 430.88 | 260.00 | 170.88 | 74.05 |
| 8038 | 1.25(1.25) | 431.05 | 260.00 | 171.05 | 74.12 |
| 8039 | 1.25(1.25) | | 290.00 | 169.18 | 73.31 |
| | | | | | |
| 8040 | 1.25(1.25) | | 185.00 | 199.98 | 86.66 |
| 8041 | 1.25(1.25) | 384.92 | 185.00 | 199.92 | 86.63 |
| 8042 | 1.25(1.25) | 384 94 | 185.00 | 199.94 | 86.64 |
| | | | | | |
| 8043 | 1.25(1.25) | 554.37 | 330.00 | 224.37 | 97.23 |
| 8044 | 1.25(1.25) | 387.66 | 200.00 | 187.66 | 81.32 |
| 8045 | 1.25(1.25) | 328.17 | 185.00 | 143.17 | 62.04 |
| | | | | | |
| 8046 | 1.25(1.25) | | 315.00 | 176.32 | 76.40 |
| 8047 | 1.25(1.25) | 507.44 | 390.00 | 117.44 | 50.89 |
| 8048 | 1.25(1.25) | 433.68 | 240.00 | 193.68 | 83.93 |
| | 1.25(1.25) | | | | |
| 8049 | | | 200.00 | 187.52 | 81.26 |
| 8050 | 1.25(1.25) | 434.25 | 280.00 | 154.25 | 66.84 |
| 8051 | 1.25(1.25) | 643.26 | 448.00 | 195.26 | 84.61 |
| 8052 | 1.25(1.25) | | 220.00 | 184.90 | 80.12 |
| | | | | | |
| 8053 | 1.25(1.25) | | 205.00 | 184.43 | 79.92 |
| 8054 | 1.25(1.25) | 401.00 | 235.00 | 166.00 | 71.93 |
| 8055 | 1.25(1.25) | 368.15 | 190.00 | 178.15 | 77.20 |
| 8056 | 1.25(1.25) | | | | |
| | | | 190.00 | 178.15 | 77.20 |
| 8057 | 1.25(1.25) | 368.12 | 190.00 | 178.12 | 77.19 |
| 8058 | 1.25(1.25) | 368.13 | 190.00 | 178.13 | 77.19 |
| 8059 | 1.25(1.25) | | 240.00 | 175.90 | 76.22 |
| | | | | | |
| 8060 | 1.25(1.25) | | 470.00 | 155.80 | 67.51 |
| 8061 | 1.25(1.25) | 408.87 | 220.00 | 188.87 | 81.85 |
| 8062 | 1.25(1.25) | 374.35 | 190.00 | 184.35 | 79.88 |
| 8063 | 1.25(1.25) | | 185.00 | 202.18 | 87.61 |
| | | | | | |
| 8064 | 1.25(1.25) | | 320.00 | 184.24 | 79.84 |
| 8065 | 1.25(1.25) | 388.41 | 220.00 | 168.41 | 72.98 |
| 8066 | 1.25(1.25) | 512.53 | 310.00 | 202.53 | 87.76 |
| 8067 | 1.25(1.25) | | 460.00 | 165.83 | 71.86 |
| | | | | | |
| 8068 | 1.25(1.25) | | 190.00 | 129.16 | 55.97 |
| 8069 | 1.25(1.25) | 505.27 | 350.00 | 155.27 | 67.28 |
| 8070 | 1.25(1.25) | 371.48 | 180.00 | 191.48 | 82.98 |
| 8071 | 1.25(1.25) | 371.77 | 185.00 | 186.77 | 80.94 |
| | 1.25(1.25) | | 330.00 | 148.09 | |
| 8072 | | | | | 64.17 |
| 8073 | 1.25(1.25) | | 350.00 | 188.29 | 81.59 |
| 8074 | 1.25(1.25) | 473.50 | 370.00 | 103.50 | 44.85 |
| 8075 | 1.25(1.25) | 563.44 | 330.00 | 233.44 | 101.16 |
| 9000 | 18.75 (1.25) | | 220.00 | 85.79 | 37.18 |
| | | | | | |
| 9001 | 31.25(1.25) | | 220.00 | 84.18 | 36.48 |
| 9002 | 22.50(1.25) | 304.17 | 190.00 | 114.17 | 49.48 |
| 9003 | 140.00(1.25) | 312.85 | 190.00 | 122.85 | 53.23 |
| 9004 | 73.75(1.25) | 369 08 | 248.00 | 121.08 | 52.47 |
| | - | | | | |
| 9005 | 33.75(1.25) | | 180.00 | 305.85 | 132.54 |
| 9006 | 32.50(1.25) | 485.09 | 180.00 | 305.09 | 132.21 |
| 9007 | 207.50(1.25) | 372.28 | 200.00 | 172.28 | 74.66 |
| 184-Pump-1 | 0.00 | 339.52 | 320.00 | 19.52 | 8.46 |
| _ | | | | | |
| 184-Pump-2 | 0.00 | 339.47 | 320.00 | 19.47 | 8.44 |
| Bron-Pump- | 0.00 | 472.40 | 390.00 | 82.40 | 35.71 |
| BronPump-2 | 0.00 | 472.40 | 390.00 | 82.40 | 35.71 |
| Bronson-ES | | 511.00 | 390.00 | 121.00 | 52.43 |
| _ | | | | | |
| CrossRoad- | 0.00 | 369.89 | 350.00 | 19.89 | 8.62 |
| CrossRoad- | 0.00 | 369.89 | 350.00 | 19.89 | 8.62 |
| CrossRoad- | | 370.00 | 350.00 | 20.00 | 8.67 |
| FGN-AA | Mn <mdld-455 <="" td=""><td>200.00</td><td>190.00</td><td>10.00</td><td>4.33</td></mdld-455> | 200.00 | 190.00 | 10.00 | 4.33 |
| | · | | | | |
| FGN-BB | Mn<83-D-455/ | 200.00 | 190.00 | 10.00 | 4.33 |
| FGN-LL | 184D-500/ | 500.00 | 320.00 | 180.00 | 78.00 |
| FGN-TT | Mn <ctyd-455 <="" td=""><td>455.00</td><td>190.00</td><td>265.00</td><td>114.83</td></ctyd-455> | 455.00 | 190.00 | 265.00 | 114.83 |
| Hemphill-T | | 420.00 | 280.00 | 140.00 | 60.67 |
| _ | | | | | |
| Hwy83 | CLMS-380/ | 390.00 | 310.00 | 80.00 | 34.67 |
| Hwy83-1 | 0.00 | 565.50 | 300.00 | 265.50 | 115.05 |
| Hwy83-2 | 0.00 | 561.97 | 300.00 | 261.97 | 113.52 |
| Hwy83-Plan | | 382.00 | 300.00 | 82.00 | 35.53 |
| - | 0.00 | | | | 50.16 |
| J-1 | | 325.76 | 210.00 | 115.76 | |
| J-11 | 0.00 | 635.42 | 400.00 | 235.42 | 102.01 |
| J-18 | 0.00 | 472.40 | 390.00 | 82.40 | 35.71 |
| J-21 | 0.00 | 321.44 | 269.00 | 52.44 | 22.72 |
| | 0.00 | 560.72 | 300.00 | 260.72 | 112.98 |
| J-22 | | | | | |

| J-24 | | 0.00 | 393.14 | 185.00 | 208.14 | 90.19 |
|------------|--------------|------------|--------|--------|--------|--------|
| J-29 | | 0.00 | 569.99 | 325.00 | 244.99 | 106.16 |
| J-3 | | 0.00 | 509.74 | 390.00 | 119.74 | 51.89 |
| J-34 | | 0.00 | 382.56 | 300.00 | 82.56 | 35.77 |
| J-37 | | 0.00 | 560.76 | 300.00 | 260.76 | 112.99 |
| J-44 | | 0.00 | 199.95 | 190.00 | 9.95 | 4.31 |
| J-45 | | 0.00 | 540.14 | 350.00 | 190.14 | 82.39 |
| J-52 | | 1.25(1.25) | 478.71 | 320.00 | 158.71 | 68.77 |
| J-53 | | 0.00 | 398.65 | 190.00 | 208.65 | 90.41 |
| J-63 | | 0.00 | 642.95 | 320.00 | 322.95 | 139.95 |
| J-69 | | 0.00 | 474.83 | 340.00 | 134.83 | 58.43 |
| J-8 | | 0.00 | 410.40 | | | |
| JimNethery | | | 396.00 | 380.00 | 16.00 | 6.93 |
| JimNethery | | 0.00 | 685.47 | 380.00 | 305.47 | 132.37 |
| JimNethery | | 0.00 | 685.47 | 380.00 | 305.47 | 132.37 |
| King-1 | | 0.00 | 321.23 | 269.00 | 52.23 | 22.63 |
| King-2 | | 0.00 | 321.10 | 269.00 | 52.10 | 22.58 |
| McMahan | | | 410.00 | 400.00 | 10.00 | 4.33 |
| McMahan-1 | | 0.00 | 409.99 | 400.00 | 9.99 | 4.33 |
| McMahan-2 | | 0.00 | 409.99 | 400.00 | 9.99 | 4.33 |
| Midlake | | | 200.00 | 185.00 | 15.00 | 6.50 |
| Midlake-1 | | 0.00 | 393.39 | 185.00 | 208.39 | 90.30 |
| Midlake-2 | | 0.00 | 393.38 | 185.00 | 208.38 | 90.30 |
| Payne-1 | | 0.00 | 666.69 | 400.00 | 266.69 | 115.57 |
| Payne-2 | | 0.00 | 480.41 | 400.00 | 80.41 | 34.85 |
| Pipe-Plant | RdH-S/D-510/ | | 510.00 | 440.00 | 70.00 | 30.33 |
| Plant-A5 | | | 625.00 | 560.00 | 65.00 | 28.17 |
| PRV-1 | | 0.00 | 666.67 | 400.00 | 266.67 | 115.56 |
| Pump-1 | | 0.00 | 393.36 | 185.00 | 208.36 | 90.29 |
| R-1 | | | 360.00 | 261.00 | 99.00 | 42.90 |
| R-2 | | | 347.00 | 261.00 | 86.00 | 37.27 |
| T-1 | | | 340.00 | 320.00 | 20.00 | 8.67 |
| Tebo | | | 348.00 | 325.00 | 23.00 | 9.97 |
| Tebo-1 | | 0.00 | 569.99 | 325.00 | 244.99 | 106.16 |
| Tebo-2 | | 0.00 | 569.99 | 325.00 | 244.99 | 106.16 |
| WTHwy83-1 | | 0.00 | 199.94 | 190.00 | 9.94 | 4.31 |
| WTHyw83-2 | | 0.00 | 199.95 | 190.00 | 9.95 | 4.31 |
| WTMidlake- | | 0.00 | 199.25 | 190.00 | 9.25 | 4.01 |
| WTMidlake- | | 0.00 | 199.27 | 190.00 | 9.27 | 4.01 |
| 184-Pump-1 | | 0.00 | 643.43 | 320.00 | 323.43 | 140.15 |
| 184-Pump-2 | | 0.00 | 643.40 | 320.00 | 323.40 | 140.14 |
| Bron-Pump- | | 0.00 | 511.00 | 390.00 | 121.00 | 52.43 |
| BronPump-2 | | 0.00 | 511.00 | 390.00 | 121.00 | 52.43 |
| CrossRoad- | | 0.00 | 540.25 | 350.00 | 190.25 | 82.44 |
| CrossRoad- | | 0.00 | 540.25 | 350.00 | 190.25 | 82.44 |
| Hwy83-1 | | 0.00 | 380.38 | 300.00 | 80.38 | 34.83 |
| Hwy83-2 | | 0.00 | 380.25 | 300.00 | 80.25 | 34.77 |
| JimNethery | | 0.00 | 395.80 | 380.00 | 15.80 | 6.85 |
| JimNethery | | 0.00 | 395.80 | 380.00 | 15.80 | 6.85 |
| King-1 | | 0.00 | 514.13 | 269.00 | 245.13 | 106.22 |
| King-2 | | 0.00 | 514.23 | 269.00 | 245.23 | 106.27 |
| McMahan-1 | | 0.00 | 635.43 | 400.00 | 235.43 | 102.02 |
| McMahan-2 | | 0.00 | 635.43 | 400.00 | 235.43 | 102.02 |
| Midlake-1 | | 0.00 | 199.77 | 185.00 | 14.77 | 6.40 |
| Midlake-2 | | 0.00 | 199.77 | 185.00 | 14.77 | 6.40 |
| Payne-1 | | 0.00 | 480.41 | 400.00 | 80.41 | 34.84 |
| Payne-2 | | 0.00 | 666.69 | 400.00 | 266.69 | 115.57 |
| PRV-1 | | | 666.67 | 400.00 | 266.67 | 115.56 |
| Pump-1 | | 0.00 | 199.78 | 185.00 | 14.78 | 6.40 |
| Tebo-1 | | 0.00 | 347.99 | 325.00 | 22.99 | 9.96 |
| Tebo-2 | | 0.00 | 347.99 | 325.00 | 22.99 | 9.96 |
| WTHwy83-1 | | 0.00 | 398.65 | 190.00 | 208.65 | 90.42 |
| WTHyw83-2 | | 0.00 | 398.65 | 190.00 | 208.65 | 90.41 |
| WTMidlake- | | 0.00 | 322.33 | 190.00 | 132.33 | 57.34 |
| WTMidlake- | | 0.00 | 322.28 | 190.00 | 132.28 | 57.32 |
| | | | | | | |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| 5391 | 169.38 | WTMidlake-1 | 4.01 |
| 5264 | 167.44 | WTMidlake-2 | 4.01 |
| 1596 | 165.84 | 5614 | 4.05 |
| 5276 | 159.24 | WTHwy83-1 | 4.31 |
| 5265 | 155.67 | WTHyw83-2 | 4.31 |
| 5061 | 155.19 | J-44 | 4.31 |
| 5291 | 154.23 | McMahan-1 | 4.33 |
| 2011 | 152.15 | McMahan-2 | 4.33 |
| 5266 | 152.12 | 5035 | 4.33 |
| 2251 | 149.49 | 5036 | 4.33 |
| 230 | 148.89 | FGN-AA | 4.33 |
| 5267 | 148.61 | FGN-BB | 4.33 |
| 2141 | 147.70 | McMahan | 4.33 |
| 1633 | 147.41 | 5034 | 5.48 |
| 1329 | 147.15 | Midlake-2 | 6.40 |
| 2445 | 147.11 | Midlake-1 | 6.40 |
| 2391 | 147.06 | Pump-1 | 6.40 |
| 2703 | 147.00 | Midlake | 6.50 |
| 147 | 146.98 | 5462 | 6.72 |
| 2420 | 146.98 | JimNethery- | 6.85 |
| | | | |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| 1340 | 163.95 | 1837 | 0.00 |
| P-2902 | 39.90 | 2085 | 0.00 |
| P-2954 | 39.90 | 1262 | 0.00 |
| P-2928 | 8.92 | 1656 | 0.00 |
| P-2140 | 7.86 | 2498 | 0.01 |
| P-2932 | 7.86 | 2503 | 0.01 |
| P-1949 | 7.74 | 2537 | 0.01 |
| P-2933 | 7.74 | 1995 | 0.01 |
| 2116 | 6.71 | 909 | 0.01 |
| 2252 | 6.35 | 1089 | 0.01 |
| 2253 | 6.35 | 1691 | 0.01 |
| 2785 | 6.35 | 1712 | 0.01 |
| 2103 | 5.89 | 2045 | 0.01 |
| 2104 | 5.89 | 1988 | 0.02 |
| 2108 | 5.89 | 2497 | 0.02 |
| 2112 | 5.89 | 1964 | 0.02 |
| 2102 | 5.87 | 1774 | 0.02 |
| 1950 | 5.86 | 1820 | 0.02 |
| 2101 | 5.86 | 2752 | 0.02 |
| P-2925 | 5.86 | 1974 | 0.03 |
| | | | |

H L / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| 1340 | 8000.01 | 1837 | 0.00 |
| P-2954 | 583.94 | 2085 | 0.00 |
| P-2902 | 583.94 | 2498 | 0.00 |
| P-2140 | 46.26 | 2503 | 0.00 |
| P-2932 | 46.26 | 2537 | 0.00 |
| P-1949 | 44.99 | 1262 | 0.00 |
| P-2933 | 44.99 | 1656 | 0.00 |
| 2252 | 43.62 | 2497 | 0.00 |
| 2253 | 43.62 | 1691 | 0.00 |
| 2785 | 43.62 | 909 | 0.00 |
| P-2928 | 36.45 | 1089 | 0.00 |

| 1348 | 29.01 | 1712 | 0.00 |
|--------|-------|------|------|
| 2165 | 22.54 | 2045 | 0.00 |
| 2116 | 21.51 | 1995 | 0.00 |
| 2167 | 21.02 | 1774 | 0.00 |
| 201 | 20.92 | 944 | 0.00 |
| 203 | 20.68 | 1087 | 0.00 |
| 207 | 20.68 | 366 | 0.00 |
| P-2915 | 20.68 | 1088 | 0.00 |
| 202 | 20.68 | 1711 | 0.00 |

$\begin{smallmatrix} R & E & G & U & L & A & T & I & N & G \\ \end{smallmatrix} \quad \begin{smallmatrix} V & A & L & V & E \\ \end{smallmatrix} \quad \begin{smallmatrix} R & E & P & O & R & T \\ \end{smallmatrix}$

| VALVE | VALVE | VALVE | VALVE | UPSTREAM | DOWNSTREAM | THROUGH | |
|-------|-------|------------|-----------|----------|------------|---------|--|
| LABEL | TYPE | SETTING | STATUS | PRESSURE | PRESSURE | FLOW | |
| | | (psi or gp | m) | (psi) | (psi) | (gpm) | |
| PRV-1 | PSV | 20.00 | WIDE OPEN | 115.56 | 115.56 | 15.00 | |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
- (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| NODE | FLOWRATE | NODE |
|-------------------|---------------|-------------------------------------|
| NAME | (gpm) | TITLE |
| Bronson-EST | 202.50 | |
| CrossRoad-T | | |
| FGN-AA | 591.44 | Mn <mdld-455 <="" td=""></mdld-455> |
| FGN-BB | 102.16 | Mn<83-D-455/ |
| FGN-LL | 14449.44 | 184D-500/ |
| FGN-TT | 0.00 | Mn <ctyd-455 <="" td=""></ctyd-455> |
| Hemphill-Ta | -10933.26 | |
| Hwy83 | 593.53 | CLMS-380/ |
| Hwy83-Plant | 522.84 | |
| JimNethery | 379.92 | |
| McMahan | 158.59 | |
| Midlake | 269.86 | |
| Pipe-Plant- | 153.81 | RdH-S/D-510/ |
| Plant-A5 | -27.99 | |
| R-1 | 52.50 | |
| R-2 | -118.53 | |
| T-1 | -3098.62 | |
| Tebo | -114.26 | |
| | | |
| NET SYSTEM INFLOW | | |
| NET SYSTEM OUTFLO | W = -14292.66 | |

***** HYDRAULIC ANALYSIS COMPLETED *****

NET SYSTEM DEMAND = 3266.25

INPUT DATA FILENAME ------ C:\JENNIF~1\JULYMO~1\BEECHW~2.DT2
TABULATED OUTPUT FILENAME ----- C:\JENNIF~1\JULYMO~1\BEECHW~2.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF~1\JULYMO~1\BEECHW~2.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet PRESSURE = psig

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE
NAME | NODE
#1 | E NAMES
#2 | LENGTH
(ft) | DIAMETER (in) | ROUGHNESS
COEFF. | MINOR
LOSS COEFF. |
|--------------|------------|---------------|----------------|---------------|---------------------|----------------------|
| | | | | | | |
| P-1 | J-2 | J-8 | 279.18 | 3.00 | 100.0000 | 0.00 |
| P-10 | J-128 | J-11 | 1305.98 | | 100.0000 | 0.00 |
| P-100 | J-705 | J-737 | 592.37 | | 100.0000 | 0.00 |
| P-101 | J-737 | J-20 | 572.90 | | 100.0000 | 0.00 |
| P-102 | J-760 | | 348.92 | | 100.0000 | 0.00 |
| P-103 | J-760 | J-764 | 300.37 | | 100.0000 | 0.00 |
| P-104 | J-559 | J-765 | 383.94 | 4.00 | 100.0000 | 0.00 |
| P-105 | J-765 | J-579 | 386.75 | | 100.0000 | 0.00 |
| P-106 | 2 /05 | J-779 | 64.90 | | 100.0000 | 0.00 |
| P-107 | | J-69 | 1254.50 | | 100.0000 | 0.00 |
| P-108 | J-3 | J-4 | 831.73 | | 100.0000 | 0.00 |
| P-109 | J-4 | | 2361.50 | 6.00 | 100.0000 | 0.00 |
| P-11 | J-142 | J-146 | 220.39 | 4.00 | 100.0000 | 0.00 |
| P-110 | J-5 | J-121 | 830.70 | 6.00 | 100.0000 | 0.00 |
| P-111 | J-313 | J-316 | 1241.69 | 3.00 | 100.0000 | 0.00 |
| P-112 | J-7 | J-9 | 576.93 | 4.00 | 100.0000 | 0.00 |
| P-113 | J-9 | J-10 | 873.19 | 4.00 | 100.0000 | 0.00 |
| P-114 | J-10 | J-221 | 394.93 | 4.00 | 100.0000 | 0.00 |
| P-115 | J-11 | J-142 | 357.81 | 4.00 | 100.0000 | 0.00 |
| P-116-XX | Pump-3 | J-12 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-117 | J-128 | J-146 | 1543.56 | 4.00 | 100.0000 | 0.00 |
| P-118-XX | R-1 | J-383 | 40.00 | 6.00 | 100.0000 | 0.00 |
| P-119 | J-15 | J-45 | 2506.73 | 2.00 | 100.0000 | 0.00 |
| P-12 | J-142 | J-128 | 968,56 | 4.00 | 100.0000 | 0.00 |
| P-120 | J-16 | J-45 | 436.42 | 2.00 | 100.0000 | 0.00 |
| P-121 | J-730 | J-18 | 1227.49 | 2.00 | 100.0000 | 0.00 |
| P-122-XX | Pump-4 | J-12 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-123 | J-19 | J-18 | 354.38 | | 100.0000 | 0.00 |
| P-124 | J-20 | J-760 | 1041.86 | 4.00 | 100.0000 | 0.00 |
| P-125 | J-21 | J-610 | 698.57 | 3.00 | 100.0000 | 0.00 |
| P-126 | J-22 | J-526 | 392.31 | 2.00 | 100.0000 | 0.00 |
| P-127 | J-23 | J-22 | 486.37 | 2.00 | 100.0000 | 0.00 |
| P-128 | J-25 | J-525 | 152.16 | 4.00 | 100.0000 | 0.00 |
| P-129 | J-26 | J-440 | 295.75 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |

| P-13 | J-6 | J-127 | 398.66 | 6.00 | 100.0000 | 0.00 |
|--------------|----------------|----------------|---------|------|----------|------|
| P-130 | J-27 | J-26 | 870.01 | 3.00 | 100.0000 | 0.00 |
| P-131 | J-28 | J-29 | 365.95 | 3.00 | 100.0000 | 0.00 |
| P-132 | J-29 | J -479 | 974.20 | 3.00 | 100.0000 | 0.00 |
| P-133-XX | J-383 | Pump-5 | 55.43 | 6.00 | 100.0000 | 0.00 |
| P-134-XX | Pump-5 | J-12 | 53.31 | 6.00 | 100.0000 | 0.00 |
| P-135-XX | J-383 | Pump-6 | 42.38 | 6.00 | 100.0000 | 0.00 |
| P-136-XX | Pump-6 | J-12 | 39.67 | 6.00 | 100.0000 | 0.00 |
| P-137 | J-17 | J-436 | 1446.28 | 6.00 | 100.0000 | 0.00 |
| P-138 | T-1 | J-31 | 40.00 | 8.00 | 100.0000 | 0.00 |
| P-139 | T-3 | J-31 | 40.00 | 8.00 | 100.0000 | 0.00 |
| P-14 | J-167 | J-146 | 260.58 | 4.00 | 100.0000 | 0.00 |
| P-140 | T-2 | J-31 | 40.00 | 8.00 | 100.0000 | 0.00 |
| P-141 | J-32 | J-167 | 445.40 | 4.00 | 100.0000 | 0.00 |
| P-142 | Pump-2 | J-30 | 30.00 | 8.00 | 100.0000 | 0.00 |
| P-143 | J-17 | J-32 | 227.46 | 4.00 | 100.0000 | |
| | | | | | | 0.00 |
| P-144 | J-688 | J-33 | 751.20 | 3.00 | 100.0000 | 0.00 |
| P-145 | J-688 | J-34 | 317.00 | 6.00 | 100.0000 | 0.00 |
| P-146 | J-34 | J-35 | 384.00 | 4.00 | 100.0000 | 0.00 |
| P-147 | J-34 | J-38 | 1087.00 | 4.00 | 100.0000 | 0.00 |
| P-148 | J-38 | J-37 | 942.28 | 4.00 | 100.0000 | 0.00 |
| P-149 | J-38 | J-37 | 547.00 | 4.00 | 100.0000 | 0.00 |
| P-15 | J-167 | J -175 | 530.41 | 2.00 | 100.0000 | 0.00 |
| P-150 | J-37 | J-42 | 502.00 | 4.00 | 100.0000 | 0.00 |
| P-151 | J-39 | J-35 | 1142.00 | 4.00 | 100.0000 | 0.00 |
| P-152 | J-39 | J-41 | 327.00 | 3.00 | 100.0000 | 0.00 |
| P-153 | J-41 | J-40 | 402.00 | 3.00 | 100.0000 | 0.00 |
| P-154 | J-41 | J-42 | 969.00 | 3.00 | 100.0000 | 0.00 |
| P-155 | J-42 | J-39 | 327.00 | 3.00 | 100.0000 | 0.00 |
| P-156 | J-688 | J-43 | 1362.95 | 4.00 | 100.0000 | 0.00 |
| P-157 | J-44 | J-687 | 63.77 | 4.00 | 100.0000 | 0.00 |
| P-158 | J-44 | J-46 | 242.50 | 4.00 | 100.0000 | 0.00 |
| P-159 | J-45 | J-15 | 429.53 | 2.00 | 100.0000 | 0.00 |
| P-16 | J-176 | J-179 | 267.62 | 2.00 | 100.0000 | 0.00 |
| P-17 | J-127 | J-182 | 77.07 | 6.00 | 100.0000 | 0.00 |
| P-18 | J-182 | J-176 | 228.42 | 6.00 | 100.0000 | 0.00 |
| | J-187 | J-7 | 753.42 | 4.00 | 100.0000 | 0.00 |
| P-19 | | J-24 | 1025.69 | 3.00 | | |
| P-2 | J-8 | | | | 100.0000 | 0.00 |
| P-20 | J-221 | J-187 | 253.73 | 4.00 | 100.0000 | 0.00 |
| P-21 | J-221 | J-228 | 529.90 | 2.00 | 100.0000 | 0.00 |
| P-22 | J-229 | J-187 | 431.44 | 4.00 | 100.0000 | 0.00 |
| P-23 | J-229 | J-234 | 272.81 | 2.00 | 100.0000 | 0.00 |
| P-24 | J-235 | J-239 | 133.38 | 4.00 | 100.0000 | 0.00 |
| P-25 | J-229 | J-239 | 539.17 | 4.00 | 100.0000 | 0.00 |
| P-26 | J-182 | J-245 | 338.81 | 4.00 | 100.0000 | 0.00 |
| P-27 | J-245 | J-229 | 657.13 | 4.00 | 100.0000 | 0.00 |
| P-28 | J-245 | J-259 | 392.55 | 2.00 | 100.0000 | 0.00 |
| P-29 | J-260 | J-32 | 103.54 | 6.00 | 100.0000 | 0.00 |
| P-3 | J-24 | J-36 | 817.86 | 2.00 | 100.0000 | 0.00 |
| P-30 | J-260 | J-273 | 192.23 | 2.00 | 100.0000 | 0.00 |
| P-31 | J-274 | J-276 | 316.08 | 2.00 | 100.0000 | 0.00 |
| P-32 | J-276 | J-279 | 142.51 | 2.00 | 100.0000 | 0.00 |
| P-33 | J-279 | J-283 | 111.65 | 1.00 | 100.0000 | 0.00 |
| P-34 | J-274 | J-288 | 729.21 | 2.00 | 100.0000 | 0.00 |
| P-35 | J-288 | J-291 | 103.15 | 1.00 | 100.0000 | 0.00 |
| P-36 | J-276 | J-294 | 374.41 | 2.00 | 100.0000 | 0.00 |
| P-37 | J-294 | J-297 | 94.10 | 1.00 | 100.0000 | 0.00 |
| P-38-XX | J-298 | T-1 | 40.00 | 6.00 | 100.0000 | 0.00 |
| P-39 | J-304 | J-305 | 305.82 | 4.00 | 100.0000 | 0.00 |
| P-4 | J-8 | J-1 | 447.42 | 3.00 | 100.0000 | 0.00 |
| P-40 | J-306 | J-304 | 331.83 | 2.00 | 100.0000 | 0.00 |
| P-40
P-41 | J-304 | J-313 | 263.35 | 3.00 | 100.0000 | 0.00 |
| P-41
P-42 | J-304
J-314 | J-313
J-316 | 270.35 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-43-XX | J-298 | T-2 | 40.00 | 6.00 | 100.0000 | 0.00 |
| P-44 | J-313 | J-331 | 335.08 | 3.00 | 100.0000 | 0.00 |
| P-45 | J-331 | J-316 | 369.36 | 3.00 | 100.0000 | 0.00 |
| P-46 | J-331 | J-339 | 226.40 | 2.00 | 100.0000 | 0.00 |
| P-47 | J-340 | J-304 | 1305.53 | 4.00 | 100.0000 | 0.00 |
| P-48 | J-340 | J-354 | 253.54 | 2.00 | 100.0000 | 0.00 |
| P-49 | J-13 | J-14 | 269.54 | 4.00 | 100.0000 | 0.00 |
| P-5 | J-69 | J-24 | 690.49 | 3.00 | 100.0000 | 0.00 |

| P-50 | J-305 | J-314 | 1095.48 | 4.00 | 100.0000 | 0.00 |
|---------|--------|---------------|---------|-------|----------|------|
| P-51 | J-176 | J-370 | 499.52 | 6.00 | 100.0000 | 0.00 |
| P-52 | J-370 | J-260 | 40.49 | 6.00 | 100.0000 | 0.00 |
| P-53 | J-31 | Pump-1 | 30.00 | 8.00 | 100.0000 | 0.00 |
| P-54 | J-14 | J-17 | 205.97 | 4.00 | 100.0000 | 0.00 |
| P-55 | J-314 | J-374 | 119.40 | 4.00 | 100.0000 | 0.00 |
| P-56 | J-374 | J-340 | 1102.33 | 4.00 | 100.0000 | 0.00 |
| P-57 | J-31 | Pump-2 | 30.00 | 8.00 | 100.0000 | 0.00 |
| P-58 | J-274 | J-14 | 200.25 | 4.00 | 100.0000 | 0.00 |
| P-59 | J-305 | J -13 | 367.20 | 4.00 | 100.0000 | 0.00 |
| P-6 | J-69 | J-87 | 528.61 | 2.00 | 100.0000 | 0.00 |
| P-60-XX | J-298 | T-3 | 40.00 | 6.00 | 100.0000 | 0.00 |
| P-61-XX | J-383 | Pump-4 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-62 | J-399 | J-401 | 256.39 | 6.00 | 100.0000 | 0.00 |
| P-63 | Pump-1 | J-30 | 30.00 | 8.00 | 100.0000 | 0.00 |
| P-64 | J-239 | J-401 | 1051.03 | 4.00 | 100.0000 | 0.00 |
| P-65 | J-401 | J-127 | 196.59 | 6.00 | 100.0000 | 0.00 |
| P-66 | J-399 | J-13 | 1139.48 | 6.00 | 100.0000 | 0.00 |
| P-67-XX | J-12 | J-298 | 2746.32 | 6.00 | 100.0000 | 0.00 |
| P-68 | J-30 | J-399 | 50.00 | 10.00 | 100.0000 | 0.00 |
| P-69-XX | J-383 | Pump-3 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-7 | J-2 | J-3 | 1841.70 | 6.00 | 100.0000 | 0.00 |
| P-70 | J-437 | J -439 | 44.75 | 4.00 | 100.0000 | 0.00 |
| P-71 | J-437 | J-440 | 314.61 | 4.00 | 100.0000 | 0.00 |
| P-72 | J-440 | J-28 | 411.08 | 3.00 | 100.0000 | 0.00 |
| P-73 | J-479 | J-27 | 281.17 | 3.00 | 100.0000 | 0.00 |
| P-74 | J-507 | J-479 | 152.55 | 2.00 | 100.0000 | 0.00 |
| P-75 | J-508 | J-25 | 953.75 | 4.00 | 100.0000 | 0.00 |
| P-76 | J-526 | J-23 | 445.08 | 2.00 | 100.0000 | 0.00 |
| P-77 | J-525 | J-557 | 154.80 | 3.00 | 100.0000 | 0.00 |
| P-78 | J-557 | J-526 | 121.61 | 3.00 | 100.0000 | 0.00 |
| P-79 | J-436 | J-559 | 243.73 | 6.00 | 100.0000 | 0.00 |
| P-8 | J-121 | J-122 | 145.50 | 2.00 | 100.0000 | 0.00 |
| P-80 | J-559 | J-437 | 298.02 | 6.00 | 100.0000 | 0.00 |
| P-81 | J-560 | J-565 | 368.10 | 2.00 | 100.0000 | 0.00 |
| P-82 | J-566 | J-560 | 114.84 | 1.50 | 100.0000 | 0.00 |
| P-83 | J-567 | J-560 | 604.29 | 3.00 | 100.0000 | 0.00 |
| P-84 | J-567 | J -577 | 97.63 | 1.50 | 100.0000 | 0.00 |
| P-85 | J-578 | J -579 | 217.02 | 2.00 | 100.0000 | 0.00 |
| P-86 | J-580 | J -578 | 246.14 | 1.50 | 100.0000 | 0.00 |
| P-87 | J-578 | J-594 | 222.04 | 1.50 | 100.0000 | 0.00 |
| P-88 | J-525 | J-21 | 180.29 | 3.00 | 100.0000 | 0.00 |
| P-89 | J-610 | J-508 | 471.68 | 3.00 | 100.0000 | 0.00 |
| P-9 | J-121 | J-6 | 1314.82 | 6.00 | 100.0000 | 0.00 |
| P-90 | J-579 | J-625 | 188.31 | 4.00 | 100.0000 | 0.00 |
| P-91 | J-625 | J-567 | 358.28 | 3.00 | 100.0000 | 0.00 |
| P-92 | J-625 | J-610 | 300.04 | 3.00 | 100.0000 | 0.00 |
| P-93 | J-436 | J-629 | 562.05 | 6.00 | 100.0000 | 0.00 |
| P-94 | J-629 | J-16 | 500.84 | 2.00 | 100.0000 | 0.00 |
| P-95 | J-629 | J-687 | 838.24 | 6.00 | 100.0000 | 0.00 |
| P-96 | J-688 | J-44 | 1065.45 | 4.00 | 100.0000 | 0.00 |
| P-97 | J-687 | J-705 | 100.98 | 2.00 | 100.0000 | 0.00 |
| P-98 | J-705 | J-19 | 2216.98 | 2.00 | 100.0000 | 0.00 |
| P-99 | J-731 | J-737 | 907.22 | 2.00 | 100.0000 | 0.00 |
| | | | | | | |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 4)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| 161.54 | 0.00 | 1.00 |
| 115.38 | 500.00 | 1.00 |
| 75.00 | 750.00 | 1.00 |

THERE IS A DEVICE AT NODE Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 5)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 161.54 | 0.00 | 1.00 |
| 115.38 | 500.00 | 1.00 |
| 75.00 | 750.00 | 1.00 |

THERE IS A DEVICE AT NODE Pump-3 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|-----------------|
| 140.00 | 0.00 | 75.00 (Default) |
| 120.00 | 360.00 | 75.00 (Default) |
| 102.00 | 500.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-4 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIEN(
(%) | CY |
|--------------|-------------------|------------------|-----------|
| | | | |
| 140.00 | 0.00 | 75.00 | (Default) |
| 120.00 | 360.00 | 75.00 | (Default) |
| 102.00 | 500.00 | 75.00 | (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-5 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|----------------|-------------------|------------------------------------|
| 41.00 | 45.00 | 75.00 (Default) |
| 20.00
16.00 | 540.00
615.00 | 75.00 (Default)
75.00 (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-6 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|------------------------------------|
| 41.00 | 45.00
540.00 | 75.00 (Default)
75.00 (Default) |
| 16.00 | 615.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.900

END NODE DATA

| NODE
NAME | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|--------------|---------------|-----------------------------|-------------------------------|---------------------------|
| J-1 | | 21.00 | 195.00 | |
| J-10 | | 0.00 | 205.00 | |
| J-11 | | 0.00 | 245.00 | |
| J-12 | | 0.00 | 191.00 | |
| J-121 | | 0.00 | 240.00 | |
| J-122 | | 0.00 | 245.00 | |
| J-127 | | 0.00 | 250.00 | |
| J-128 | | 32.00 | 233.00 | |
| J-13 | | 23.00 | 260.00 | |

| J-14 | 0.00 | 260.00 |
|----------------|---------------|------------------|
| J-142 | 28.00 | 264.00 |
| J-146 | 28.00 | 236.00 |
| J-15 | 9.00 | 255.00 |
| J-16 | 0.00 | 275.00 |
| J-167 | 8.00 | 232.00 |
| J-17 | 0.00 | 240.00 |
| J-175 | 5.00 | 250.00 |
| J-176 | 5.00 | 240.00 |
| J-179
J-18 | 5.00
0.00 | 205.00
195.00 |
| J-182 | 6.00 | 243.00 |
| J-187 | 27.00 | 212.00 |
| J-19 | 22.00 | 205.00 |
| J-2 | 4.00 | 210.00 |
| J-20 | 0.00 | 262.00 |
| J-21 | 13.00 | 195.00 |
| J-22 | 17.00 | 180.00 |
| J-221 | 28.00 | 204.00 |
| J-228 | 13.00 | 230.00 |
| J-229 | 6.00 | 210.00 |
| J-23 | 0.00 | 193.00 |
| J-234 | 6.00
5.00 | 200.00 |
| J-235
J-239 | 10.00 | 200.00
205.00 |
| J-24 | 17.00 | 195.00 |
| J-245 | 13.00 | 214.00 |
| J-25 | 15.00 | 220.00 |
| J-259 | 9.00 | 210.00 |
| J-26 | 16.00 | 260.00 |
| J-260 | 11.00 | 230.00 |
| J-27 | 0.00 | 198.00 |
| J-273 | 4.00 | 220.00 |
| J-274 | 18.00 | 270.00 |
| J-276 | 8.00 | 246.00 |
| J-279 | 0.00 | 245.00 |
| J-28
J-283 | 0.00
2.00 | 205.00
234.00 |
| J-288 | 0.00 | 243.00 |
| J-29 | 13.00 | 210.00 |
| J-291 | 4.00 | 236.00 |
| J-294 | 0.00 | 218.00 |
| J-297 | 3.00 | 218.00 |
| J-298 | 0.00 | 280.00 |
| J -3 | 0.00 | 270.00 |
| J-30 | 0.00 | 280.00 |
| J-304 | 32.00 | 255.00 |
| J-305 | 4.00 | 238.00 |
| J-306 | 3.00 | 250.00 |
| J-31
J-313 | 0.00
18.00 | 280.00
250.00 |
| J-314 | 30.00 | 210.00 |
| J-316 | 14.00 | 228.00 |
| J-32 | 0.00 | 230.00 |
| J-33 | 0.00 | 210.00 |
| J-331 | 3.00 | 250.00 |
| J-339 | 4.00 | 250.00 |
| J-34 | 0.00 | 268.00 |
| J-340 | 4.00 | 214.00 |
| J-35 | 0.00 | 265.00 |
| J-354 | 4.00 | 193.00 |
| J-36 | 1.00 | 180.00 |
| J-37 | 0.00 | 220.00 |
| J-370 | 0.00
24.00 | 223.00
208.00 |
| J-374
J-38 | 0.00 | 233.00 |
| J-383 | 0.00 | 191.00 |
| J-383 | 0.00 | 262.00 |
| J-399 | 0.00 | 280.00 |
| J-4 | 0.00 | 210.00 |
| J-40 | 0.00 | 225.00 |
| | | |

```
20.00
J-401
                                     250.00
 J-41
                           0.00
                                     225.00
 J-42
                           0.00
                                      210.00
 J-43
                           0.00
                                      188.00
J-436
                           0.00
                                     242.00
                           0.00
                                      250.00
J-437
                           0.00
                                      250.00
 J-439
 J-44
                          0.00
                                      285.00
 J-440
                          18.00
                                     260.00
                          0.00
                                     265.00
 J-45
 J-46
                           0.00
                                      280.00
J-479
                          27.00
                                     198.00
 J-5
                          0.00
                                      220.00
 J-507
                           0.00
                                      198.00
J-508
                          16.00
                                      251.00
J-525
                          0.00
                                     215.00
                          14.00
 J-526
                                      200.00
J-557
                           0.00
                                      200.00
                          11.00
                                     255.00
J-559
J-560
                          13.00
                                     208.00
J-565
                          6.00
                                      191.00
J-566
                           4.00
                                      224.00
J-567
                          14.00
                                     220.00
                           4.00
                                      238.00
J-577
J-578
                          10.00
                                      265.00
J-579
                           8.00
                                      245.00
J-580
                           5.00
                                      260.00
J-594
                           4.00
                                      275.00
                                     280.00
  J-6
                           0.00
J-610
                          14.00
                                     218.00
                          12.00
                                      233.00
J-625
 J-629
                           0.00
                                      270.00
J-687
                           0.00
                                      288.00
 J-688
                          12.00
                                      270.00
 J-69
                           6.00
                                      195.00
                                     204.00
                           0.00
  J-7
J-705
                           0.00
                                     285.00
                           0.00
J-730
                                      175.00
J-731
                           1.00
                                      252.00
J-737
                           5.00
                                      260.00
J-760
                          10.00
                                      210.00
 J-763
                           0.00
                                      190.00
J-764
                                     195.00
                           0.00
J-765
                           0.00
                                     252.00
                           4.00
J-779
                                      246.00
  J-8
                          17.00
                                      205.00
 J-87
                           4.00
                                     180.00
  J-9
                           0.00
                                     194.00
                           0.00
                                      280.00
Pump-1
                           0.00
                                      280.00
Pump-2
                           0.00
                                     191.00
Pump-3
                                     191.00
                           0.00
Pump-4
Pump-5
                           0.00
                                      191.00
Pump-6
                           0.00
                                     191.00
                                    191.00
280.00
280.00
  R-1
                           ----
                                                    195.00
  T-1
                           ----
                                                     292.00
                           ----
                                                    292.00
  T-2
                                     280.00
                                                    292.00
  T-3
```

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
MAXIMUM AND MINIMUM PRESSURES = 10

MAXIMUM AND MINIMUM VELOCITIES = 10
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 10

SYSTEM CONFIGURATION

| NUMBER OF | PIPES(p) | = | 159 |
|-----------|------------------|---|-----|
| NUMBER OF | END NODES(j) | = | 134 |
| NUMBER OF | PRIMARY LOOPS(1) | = | 22 |
| NUMBER OF | SUPPLY NODES(f) | = | 4 |
| NUMBER OF | SUPPLY ZONES(z) | = | 1 |

C H A N G E S F O R N E X T S I M U L A T I O N (Change Number = 3)

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

*** WARNING ***

DUE TO SPECIFIED DEMANDS THE PUMP IN LINE -@Pump-6 IS FORCED TO OPERATE AT ZERO FLOW. THIS MAY CAUSE PROBLEMS CALCULATING THE HGLS IN THE VICINITY OF THE PUMP. TRY CLOSING LINE -@Pump-6 AND RERUN THE SIMULATION.

RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00002

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE | | NUMBERS | FLOWRATE | HEAD | MINOR | LINE | HL/ |
|-------|--------------|---------------|----------|------|-------|--------|---------|
| NAME | #1 | #2 | | LOSS | LOSS | VELO. | 1000 |
| | | . | (gpm) | (ft) | (ft) | (ft/s) | (ft/ft) |
| P-1 | J-2 | J-8 | 29.11 | 1.41 | 0.00 | 1.32 | 5.04 |
| P-10 | J-128 | J-11 | -2.86 | 0.02 | 0.00 | 0.07 | 0.02 |
| P-100 | J-705 | J-737 | 7.06 | 0.05 | 0.00 | 0.18 | 0.09 |
| P-101 | J-737 | J-20 | 4.41 | 0.02 | 0.00 | 0.11 | 0.04 |
| P-102 | J-760 | J-763 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-103 | J-760 | J-764 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-104 | J-559 | J-765 | 76.29 | 2.84 | 0.00 | 1.95 | 7.40 |
| P-105 | J-765 | J-579 | 74.53 | 2.74 | 0.00 | 1.90 | 7.08 |
| P-106 | J-765 | J-779 | 1.76 | 0.05 | 0.00 | 0.32 | 0.82 |
| P-107 | J-1 | J -69 | 3.35 | 0.12 | 0.00 | 0.15 | 0.09 |
| P-108 | J-3 | J-4 | -30.87 | 0.16 | 0.00 | 0.35 | 0.19 |
| P-109 | J-4 | J-5 | -30.87 | 0.45 | 0.00 | 0.35 | 0.19 |
| P-11 | J-142 | J-146 | -19.03 | 0.12 | 0.00 | 0.49 | 0.57 |
| P-110 | J -5 | J-121 | -30.87 | 0.16 | 0.00 | 0.35 | 0.19 |
| P-111 | J-313 | J-316 | 1.52 | 0.03 | 0.00 | 0.07 | 0.02 |
| P-112 | J-7 | J-9 | 4.01 | 0.02 | 0.00 | 0.10 | 0.03 |
| P-113 | J-9 | J-10 | 4.01 | 0.03 | 0.00 | 0.10 | 0.03 |
| P-114 | J-10 | J-221 | 4.01 | 0.01 | 0.00 | 0.10 | 0.03 |
| P-115 | J-11 | J-142 | -2.86 | 0.01 | 0.00 | 0.07 | 0.02 |
| P-116 | Pump-3 | J-12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-117 | J-128 | J-146 | -7.43 | 0.15 | 0.00 | 0.19 | 0.10 |
| P-118 | R-1 | J-383 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-119 | J-15 | J-45 | -1.10 | 0.21 | 0.00 | 0.11 | 0.08 |
| P-12 | J-142 | J-128 | 3.83 | 0.03 | 0.00 | 0.10 | 0.03 |
| P-120 | J-16 | J-4 5 | 3.97 | 0.40 | 0.00 | 0.41 | 0.91 |
| P-121 | J-730 | J-18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-122 | Pump-4 | J-12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-123 | J-19 | J-18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-124 | J -20 | J-760 | 4.41 | 0.04 | 0.00 | 0.11 | 0.04 |
| P-125 | J-21 | J-610 | -15.16 | 1.05 | 0.00 | 0.69 | 1.51 |
| P-126 | J-22 | J-526 | -4.61 | 0.47 | 0.00 | 0.47 | 1.20 |
| P-127 | J-23 | J-22 | 2.89 | 0.24 | 0.00 | 0.30 | 0.50 |
| P-128 | J-25 | J-525 | 4.25 | 0.01 | 0.00 | 0.11 | 0.04 |
| P-129 | J-26 | J-44 0 | -14.02 | 0.39 | 0.00 | 0.64 | 1.30 |

| P-13 | J-6 | J-127 | -30.87 | 0.08 | 0.00 | 0.35 | 0.19 |
|----------|--------|--------|--------|------|------|------|------|
| P-130 | J-27 | J-26 | -6.96 | 0.31 | 0.00 | 0.32 | 0.36 |
| P-131 | J-28 | J-29 | 10.68 | 0.29 | 0.00 | 0.48 | 0.79 |
| P-132 | J-29 | J-479 | 4.94 | 0.18 | 0.00 | 0.22 | 0.19 |
| P-133 | J-383 | Pump-5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-134 | Pump-5 | J-12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-135 | J-383 | Pump-6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-136-XX | Pump-6 | J-12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | J-17 | J-436 | 120 00 | 4.56 | 0.00 | 1 50 | 2 15 |
| P-137 | T-1 | J-31 | 139.80 | | | 1.59 | 3.15 |
| P-138 | | | 125.54 | 0.03 | 0.00 | 0.80 | 0.64 |
| P-139 | T-3 | J-31 | 125.54 | 0.03 | 0.00 | 0.80 | 0.64 |
| P-14 | J-167 | J-146 | 38.81 | 0.55 | 0.00 | 0.99 | 2.12 |
| P-140 | T-2 | J-31 | 125.54 | 0.03 | 0.00 | 0.80 | 0.64 |
| P-141 | J-32 | J-167 | 44.54 | 1.22 | 0.00 | 1.14 | 2.73 |
| P-142 | Pump-2 | J-30 | 188.31 | 0.04 | 0.00 | 1.20 | 1.35 |
| P-143 | J-17 | J-32 | -76.30 | 1.68 | 0.00 | 1.95 | 7.40 |
| P-144 | J-688 | J-33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-145 | J-688 | J-34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-146 | J-34 | J-35 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-147 | J-34 | J-38 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-148 | J-38 | J-37 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-149 | J-38 | J-37 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-15 | J-167 | J-175 | 2.20 | 0.16 | 0.00 | 0.23 | 0.31 |
| P-150 | J-37 | J-42 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-151 | J-39 | J-35 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-152 | J-39 | J-41 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-153 | J-41 | J-40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-154 | J-41 | J-42 | 0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-155 | J-42 | J-39 | 0.02 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-156 | J-688 | J-43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-157 | J-44 | J-687 | -5.29 | 0.00 | 0.00 | 0.14 | 0.05 |
| P-158 | J-44 | J-46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-159 | J~45 | J-15 | 2.86 | 0.21 | 0.00 | 0.29 | 0.50 |
| P-16 | J-176 | J-179 | 2.20 | 0.08 | 0.00 | 0.23 | 0.30 |
| | J-127 | J-182 | 156.49 | 0.08 | 0.00 | 1.78 | 3.88 |
| P-17 | | | | | | | |
| P-18 | J-182 | J-176 | 131.86 | 0.65 | 0.00 | 1.50 | 2.83 |
| P-19 | J-187 | J-7 | 4.01 | 0.02 | 0.00 | 0.10 | 0.03 |
| P-2 | J-8 | J-24 | 8.99 | 0.59 | 0.00 | 0.41 | 0.57 |
| P-20 | J-221 | J-187 | -14.07 | 0.08 | 0.00 | 0.36 | 0.32 |
| P-21 | J-221 | J-228 | 5.73 | 0.95 | 0.00 | 0.59 | 1.79 |
| P-22 | J-229 | J-187 | 29.99 | 0.57 | 0.00 | 0.77 | 1.31 |
| P-23 | J-229 | J-234 | 2.65 | 0.12 | 0.00 | 0.27 | 0.43 |
| P-24 | J-235 | J-239 | -2.20 | 0.00 | 0.00 | 0.06 | 0.01 |
| P-25 | J-229 | J-239 | -23.00 | 0.43 | 0.00 | 0.59 | 0.80 |
| P-26 | J-182 | J-245 | 21.98 | 0.25 | 0.00 | 0.56 | 0.74 |
| P-27 | J-245 | J-229 | 12.28 | 0.17 | 0.00 | 0.31 | 0.25 |
| P-28 | J-245 | J-259 | 3.97 | 0.36 | 0.00 | 0.41 | 0.91 |
| P-29 | J-260 | J-32 | 120.84 | 0.25 | 0.00 | 1.37 | 2.41 |
| P-3 | J-24 | J-36 | 0.44 | 0.01 | 0.00 | 0.05 | 0.02 |
| P-30 | J-260 | J-273 | 1.76 | 0.04 | 0.00 | 0.18 | 0.20 |
| P-31 | J-274 | J-276 | 5.73 | 0.57 | 0.00 | 0.59 | 1.79 |
| P-32 | J-276 | J-279 | 0.88 | 0.01 | 0.00 | 0.09 | 0.06 |
| P-33 | J-279 | J-283 | 0.88 | 0.18 | 0.00 | 0.36 | 1.64 |
| P-34 | J-274 | J-288 | 1.76 | 0.15 | 0.00 | 0.18 | 0.20 |
| P-35 | J-288 | J-291 | 1.76 | 0.61 | 0.00 | 0.72 | 5.91 |
| P-36 | J-276 | J-294 | 1.32 | 0.04 | 0.00 | 0.14 | 0.12 |
| P-37 | J-294 | J-297 | 1.32 | 0.33 | 0.00 | 0.54 | 3.47 |
| P-38 | J-298 | T-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-39 | J-304 | J-305 | -37.27 | 0.60 | 0.00 | 0.95 | 1.96 |
| P-4 | J-8 | J-1 | 12.61 | 0.48 | 0.00 | 0.57 | 1.07 |
| P-40 | J-306 | J-304 | -1.32 | 0.04 | 0.00 | 0.14 | 0.12 |
| P-41 | J-304 | J-313 | 12.53 | 0.28 | 0.00 | 0.57 | 1.06 |
| P-42 | J-314 | J-316 | 4.67 | 0.05 | 0.00 | 0.21 | 0.17 |
| P-43-XX | J-298 | T-2 | 110, | | 5.00 | J.21 | 0,1, |
| P-44 | J-313 | J-331 | 3.08 | 0.03 | 0.00 | 0.14 | 0.08 |
| P-45 | J-331 | J-316 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| | | J-339 | 1.76 | 0.05 | 0.00 | 0.18 | 0.00 |
| P-46 | J-331 | | | | | | |
| P-47 | J-340 | J-304 | -9.30 | 0.20 | 0.00 | 0.24 | 0.15 |
| P-48 | J-340 | J-354 | 1.76 | 0.05 | 0.00 | 0.18 | 0.20 |
| P-49 | J-13 | J-14 | 78.93 | 2.12 | 0.00 | 2.02 | 7.88 |
| P-5 | J-69 | J-24 | -1.06 | 0.01 | 0.00 | 0.05 | 0.01 |

| P-50 | J-305 | J-314 | 22.71 | 0.86 | 0.00 | 0.58 | 0.78 |
|--------------|---------------|--------|--------|--------------|------|------------------|-------|
| P-51 | J-176 | J-370 | 127.45 | 1.33 | 0.00 | 1.45 | 2.66 |
| P-52 | J-370 | J-260 | 127.45 | 0.11 | 0.00 | 1.45 | 2.66 |
| P-53 | J-31 | Pump-1 | 188.31 | 0.04 | 0.00 | 1.20 | 1.35 |
| P-54 | J-14 | J-17 | 63.50 | 1.08 | 0.00 | 1.62 | 5.27 |
| P-55 | J-314 | J-374 | 4.81 | 0.01 | 0.00 | 0.12 | 0.04 |
| P-56 | J-374 | J-340 | -5.77 | 0.07 | 0.00 | 0.15 | 0.06 |
| P-57 | J-31 | Pump-2 | 188.31 | 0.04 | 0.00 | 1.20 | 1.35 |
| P-58 | J-274 | J-14 | -15.44 | 0.08 | 0.00 | 0.39 | 0.38 |
| P-59 | J-305 | J-13 | -61.74 | 1.84 | 0.00 | 1.58 | 5.00 |
| P-6 | J-69 | J-87 | 1.76 | 0.11 | 0.00 | 0.18 | 0.20 |
| P-60-XX | J-298 | T-3 | | | | | |
| P-61-XX | J-383 | Pump-4 | | | | | |
| P-62 | J-399 | J-401 | 225.80 | 1.96 | 0.00 | 2.56 | 7.66 |
| P-63 | Pump-1 | J-30 | 188.31 | 0.04 | 0.00 | 1.20 | 1.35 |
| P-64 | J-239 | J-401 | -29.61 | 1.35 | 0.00 | 0.76 | 1.28 |
| P-65 | J-401 | J-127 | 187.36 | 1.07 | 0.00 | 2.13 | 5.42 |
| P-66 | J-399 | J-13 | 150.82 | 4.13 | 0.00 | 1.71 | 3.63 |
| P-67-XX | J-12 | J-298 | | | 0.00 | - · · · · | 3.45 |
| P-68 | J-30 | J-399 | 376.61 | 0.08 | 0.00 | 1.54 | 1.64 |
| P-69-XX | J-383 | Pump-3 | 370.01 | 0.05 | 0.00 | 1,51 | 1.01 |
| P-7 | J-2 | J-3 | -30.87 | 0.35 | 0.00 | 0.35 | 0.19 |
| P-70 | J-437 | J-439 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-71 | J-437 | J-440 | 32.63 | 0.48 | 0.00 | 0.83 | 1.53 |
| P-72 | J-440 | J-28 | 10.68 | 0.48 | 0.00 | 0.48 | 0.79 |
| P-73 | J-479 | J-27 | -6.96 | 0.10 | 0.00 | 0.40 | 0.75 |
| P-74 | J-507 | J-479 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 |
| | | J-25 | | | 0.00 | | |
| P-75
P-76 | J-508 | J-23 | 10.86 | 0.19
0.22 | | 0.28 | 0.20 |
| | J-526 | J-557 | 2.89 | 0.22 | 0.00 | 0.30 | 0.50 |
| P-77 | J-525 | | 13.67 | | | 0.62 | 1.24 |
| P-78 | J-557 | J-526 | 13.67 | 0.15 | 0.00 | 0.62 | 1.24 |
| P-79 | J-436 | J-559 | 113.78 | 0.52 | 0.00 | 1.29 | 2.15 |
| P-8 | J-121 | J-122 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-80 | J-559 | J-437 | 32.63 | 0.06 | 0.00 | 0.37 | 0.21 |
| P-81 | J-560 | J-565 | 2.65 | 0.16 | 0.00 | 0.27 | 0.43 |
| P-82 | J-566 | J-560 | -1.76 | 0.09 | 0.00 | 0.32 | 0.82 |
| P-83 | J-567 | J-560 | 10.14 | 0.43 | 0.00 | 0.46 | 0.72 |
| P-84 | J-567 | J-577 | 1.76 | 0.08 | 0.00 | 0.32 | 0.82 |
| P-85 | J-578 | J-579 | -8.38 | 0.79 | 0.00 | 0.86 | 3.62 |
| P-86 | J-580 | J-578 | -2.20 | 0.31 | 0.00 | 0.40 | 1.24 |
| P-87 | J~578 | J-594 | 1.76 | 0.18 | 0.00 | 0.32 | 0.82 |
| P-88 | J-525 | J-21 | -9.42 | 0.11 | 0.00 | 0.43 | 0.62 |
| P-89 | J-610 | J-508 | 17.92 | 0.97 | 0.00 | 0.81 | 2.05 |
| P-9 | J-121 | J-6 | -30.87 | 0.25 | 0.00 | 0.35 | 0.19 |
| P-90 | J -579 | J-625 | 62.62 | 0.97 | 0.00 | 1.60 | 5.13 |
| P-91 | J-625 | J-567 | 18.08 | 0.75 | 0.00 | 0.82 | 2.09 |
| P-92 | J-625 | J-610 | 39.25 | 2.63 | 0.00 | 1.78 | 8.77 |
| P-93 | J-436 | J-629 | 26.02 | 0.08 | 0.00 | 0.30 | 0.14 |
| P-94 | J-629 | J-16 | 3.97 | 0.45 | 0.00 | 0.41 | 0.91 |
| P-95 | J-629 | J-687 | 22.05 | 0.09 | 0.00 | 0.25 | 0.10 |
| P-96 | J-688 | J-44 | -5.29 | 0.06 | 0.00 | 0.14 | 0.05 |
| P-97 | J-687 | J-705 | 16.76 | 1.32 | 0.00 | 1.71 | 13.06 |
| P-98 | J-705 | J-19 | 9.70 | 10.52 | 0.00 | 0.99 | 4.75 |
| P-99 | J-731 | J-737 | -0.44 | 0.01 | 0.00 | 0.05 | 0.02 |

PUMP/LOSS ELEMENT RESULTS

| NAME | FLOWRATE | INLET
HEAD
(ft) | OUTLET
HEAD
(ft) | HEAD
CHANGE
(ft) | EFFIC-
ENCY
(%) | USEFUL
POWER
(Hp) | INCREMTL
COST
(\$) | TOTAL
COST
(\$) |
|--------|----------|-----------------------|------------------------|------------------------|-----------------------|-------------------------|--------------------------|-----------------------|
| Pump-1 | 188.31 | 11.93 | 163.32 | 151.4 | | | | |
| Pump-2 | 188.31 | 11.93 | 163.32 | 151.4 | | | | |
| Pump-3 | 0.00 | -76.19 | 37.21 | 113.4 | | | | |
| Pump-4 | 0.00 | -76.19 | 37.21 | 113.4 | | | | |
| Pump-5 | 0.00 | 4.00 | 37.21 | 33.2 | | | - | |
| Pump-6 | 0.00 | 4.00 | 37.21 | 33.2 | | | | |

END NODE RESULTS

| NODE
NAME | NODE
TITLE | EXTERNAL
DEMAND | HYDRAULIC
GRADE | NODE
ELEVATION | PRESSURE
HEAD | NODE
PRESSURE |
|----------------|---------------|--------------------|--------------------------|-------------------|------------------|------------------|
| | | (gpm) | (ft) | (ft) | (ft) | (psi) |
| | | | | | | |
| J-1 | | | 44) 436.82 | 195.00 | 241.82 | 104.79 |
| J-10 | | 0.00 | 438.81 | 205.00 | 233.81 | |
| J-11 | | 0.00 | 435.64 | 245.00 | 190.64 | 82.61 |
| J-12 | | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| J-121 | | 0.00 | 439.84 | 240.00 | 199.84 | 86.60 |
| J-122 | | 0.00 | 439.84
440.16 | 245.00 | 194.84 | 84.43 |
| J-127
J-128 | | | 440.16 | 250.00
233.00 | 190.16
202.62 | 82.40 |
| J-13 | | | 44) 439.06 | 260.00 | 179.06 | 87.80
77.59 |
| J-14 | | 0.00 | 436.94 | 260.00 | 176.94 | 76.67 |
| J-142 | | | 130.54 | 264.00 | 171.64 | 74.38 |
| J-146 | | | 14) 435.77 | | 199.77 | 86.57 |
| J-15 | | | 44) 430.15 | 255.00 | 175.15 | 75.90 |
| J-16 | | 0.00 | 430.76 | 275.00 | 155.76 | 67.50 |
| J-167 | | 3.53(0.4 | 44) 436.32 | 232.00 | 204.32 | 88.54 |
| J-17 | | 0.00 | 435.85 | 240.00 | 195.85 | 84.87 |
| J-175 | | 2.20(0.4 | 44) 436.16 | 250.00 | 186.16 | 80.67 |
| J-176 | | 2.20(0.4 | 44) 439.22 | 240.00 | 199.22 | 86.33 |
| J-179 | | 2.20(0.4 | 44) 439.14 | 205.00 | 234.14 | 101.46 |
| J-18 | | 0.00 | 419.29 | 195.00 | 224.29 | 97.19 |
| J-182 | | | 14) 439.87 | 243.00 | 196.87 | 85.31 |
| J-187 | | | 14) 438.88 | 212.00 | 226.88 | 98.32 |
| J-19 | | | 44) 419.29 | 205.00 | 214.29 | 92.86 |
| J-2 | | • | 44) 438.71 | 210.00 | 228.71 | 99.11 |
| J-20 | | 0.00 | 429.73 | 262.00 | 167.73 | 72.68 |
| J-21
J-22 | | | 14) 420.54
14) 419.61 | 195.00
180.00 | 225.54
239.61 | 97.73
103.83 |
| J-221 | | | 4) 438.80 | 204.00 | 234.80 | 103.63 |
| J-228 | | | 44) 437.85 | 230.00 | 207.85 | 90.07 |
| J-229 | | | 44) 439.45 | 210.00 | 229.45 | 99.43 |
| J-23 | | 0.00 | 419.86 | 193.00 | 226.86 | 98.31 |
| J-234 | | | 44) 439.33 | 200.00 | 239.33 | 103.71 |
| J-235 | | 2.20(0.4 | 44) 439.88 | 200.00 | 239.88 | 103.95 |
| J-239 | | 4.41(0.4 | 14) 439.88 | 205.00 | 234.88 | 101.78 |
| J-24 | | | 14) 436.71 | 195.00 | 241.71 | 104.74 |
| J-245 | | | 44) 439.61 | 214.00 | 225.61 | 97.77 |
| J-25 | | | 14) 420.43 | 220.00 | 200.43 | 86.85 |
| J-259 | | | 14) 439.26 | 210.00 | 229.26 | 99.35 |
| J-26 | | | 14) 429.84 | 260.00 | 169.84 | 73.60 |
| J-260 | | 4.85(U.4
0.00 | 437.78
429.53 | 230.00 | 207.78 | 90.04 |
| J-27
J-273 | | | 429.53 | 198.00
220.00 | 231.53
217.75 | 100.33
94.36 |
| J-274 | | | 14) 436.86 | 270.00 | 166.86 | 72.31 |
| J-276 | | | 14) 436.29 | 246.00 | 190.29 | 82.46 |
| J-279 | | 0.00 | 436.29 | 245.00 | 191.29 | 82.89 |
| J-28 | | 0.00 | 429.90 | 205.00 | 224.90 | 97.46 |
| J-283 | | 0.88(0.4 | | 234.00 | 202.10 | 87.58 |
| J-288 | | 0.00 | 436.71 | 243.00 | 193.71 | 83.94 |
| J-29 | | 5.73(0.4 | 14) 429.61 | 210.00 | 219.61 | 95.16 |
| J-291 | | 1.76(0.4 | 14) 436.10 | 236.00 | 200.10 | 86.71 |
| J-294 | | 0.00 | 436.25 | 218.00 | 218.25 | 94.57 |
| J-297 | | 1.32(0.4 | • | 218.00 | 217.92 | 94.43 |
| J-298 | | 0.00 | 292.00 | 280.00 | 12.00 | 5,20 |
| J-3 | | 0.00 | 439.06 | 270.00 | 169.06 | 73.26 |
| J-30 | | 0.00 | 443.28 | 280.00 | 163.28 | 70.75 |
| J-304 | | 14.11(0.4 | | 255.00 | 181.62 | 78.70 |
| J-305 | | 1.76(0.4 | - | 238.00 | 199.22 | 86.33 |
| J-306 | | 1.32(0.4 | 14) 436.59
291.97 | 250.00
280.00 | 186.59
11.97 | 80.85
5.19 |
| J-31
J-313 | | | 291.97
14) 436.35 | 250.00 | 186.35 | 80.75 |
| J-313
J-314 | | | 14) 436.35
14) 436.37 | 210.00 | 226.37 | 98.09 |
| J-314 | | | 14) 436.32 | 228.00 | 208.32 | 90.27 |
| | | | , , , | | | |

| J-32 | 0.00 | 437.54 | 230.00 | 207.54 | 89.93 |
|---------------|-------------|--------|--------|-----------------|--------|
| J-33 | 0.00 | 431.07 | 210.00 | 221.07 | 95.80 |
| J-331 | 1.32(0.44) | | 250.00 | 186.32 | 80.74 |
| | | | | | |
| J-339 | 1.76(0.44) | 436.27 | 250.00 | 186.27 | 80.72 |
| J-34 | 0.00 | 431.07 | 268.00 | 163.07 | 70.66 |
| J-340 | 1.76(0.44) | 436 43 | 214.00 | 222.43 | 96.39 |
| | | | | | |
| J-35 | 0.00 | 431.07 | 265.00 | 166.07 | 71.96 |
| J-354 | 1.76(0.44) | 436.38 | 193.00 | 243.38 | 105.46 |
| J-36 | 0.44(0.44) | 436.70 | 180.00 | 256.70 | 111.24 |
| | | | | | |
| J-37 | 0.00 | 431.07 | 220.00 | 211.07 | 91.46 |
| J-370 | 0.00 | 437.89 | 223.00 | 214.89 | 93.12 |
| J-374 | 10.58(0.44) | 436.36 | 208.00 | 228.36 | 98.96 |
| J-38 | 0.00 | 431.07 | 233.00 | | |
| | | | | 198.07 | 85.83 |
| J -383 | 0.00 | 195.00 | 191.00 | 4.00 | 1.73 |
| J-39 | 0.00 | 431.07 | 262.00 | 169.07 | 73.26 |
| J-399 | 0.00 | 443.19 | 280.00 | 163.19 | 70.72 |
| | | | | | |
| J-4 | 0.00 | 439.22 | 210.00 | 229.22 | 99.33 |
| J-40 | 0.00 | 431.07 | 225.00 | 206.07 | 89.30 |
| J-401 | 8.82(0.44) | 441.23 | 250.00 | 191.23 | 82.87 |
| | | | | | |
| J-41 | 0.00 | 431.07 | 225.00 | 206.07 | 89.30 |
| J-42 | 0.00 | 431.07 | 210.00 | 221.07 | 95.80 |
| J-43 | 0.00 | 431.07 | 188.00 | 243.07 | 105.33 |
| J-436 | 0.00 | 431.29 | 242.00 | 189.29 | 82.03 |
| | | | | | |
| J-437 | 0.00 | 430.71 | 250.00 | 180.71 | 78.31 |
| J-439 | 0.00 | 430.71 | 250.00 | 180.71 | 78.31 |
| J-44 | 0.00 | 431.12 | 285.00 | 146.12 | 63.32 |
| | | | | | |
| J-440 | 7.94(0.44) | | 260.00 | 170.22 | 73.76 |
| J-45 | 0.00 | 430.36 | 265.00 | 165.36 | 71.66 |
| J-46 | 0.00 | 431.12 | 280.00 | 151.12 | 65,49 |
| J-479 | 11.91(0.44) | | 198.00 | 231.43 | 100.28 |
| | | | | | |
| J-5 | 0.00 | 439.68 | 220.00 | 219.68 | 95.19 |
| J-507 | 0.00 | 429.43 | 198.00 | 231.43 | 100.28 |
| J-508 | 7.06(0.44) | 420.62 | 251.00 | 169.62 | 73.50 |
| J-525 | 0.00 | 420.43 | 215.00 | 205.43 | 89.02 |
| | | | | | |
| J-526 | 6.17(0.44) | | 200.00 | 220.08 | 95.37 |
| J-557 | 0.00 | 420.23 | 200.00 | 220.23 | 95.43 |
| J-559 | 4.85(0.44) | 430.77 | 255.00 | 175.77 | 76.17 |
| J-560 | 5.73(0.44) | 423 04 | 208.00 | 215.04 | 93.18 |
| | | | | | |
| J-565 | 2.65(0.44) | | 191.00 | 231.88 | 100.48 |
| J-566 | 1.76(0.44) | 422.95 | 224.00 | 198.95 | 86.21 |
| J-567 | 6.17(0.44) | 423.47 | 220.00 | 203.47 | 88.17 |
| J-577 | 1.76(0.44) | 423.39 | 238.00 | 185.39 | 80.34 |
| J-578 | 4.41(0.44) | | 265.00 | | 69.07 |
| | | | | 159.40 | |
| J -579 | 3.53(0.44) | | 245.00 | 180.19 | 78.08 |
| J-580 | 2.20(0.44) | 424.10 | 260.00 | 164.10 | 71.11 |
| J-594 | 1.76(0.44) | 424.22 | 275.00 | 149.22 | 64.66 |
| | 0.00 | | | | |
| J-6 | | 440.09 | 280.00 | 160.09 | 69.37 |
| J-610 | 6.17(0.44) | 421.59 | 218.00 | 203.59 | 88.22 |
| J-62 5 | 5.29(0.44) | 424.22 | 233.00 | 191.22 | 82.86 |
| | 0.00 | 431.21 | 270.00 | 161.21 | |
| J-629 | | | | | 69.86 |
| J-687 | 0.00 | 431.13 | 288.00 | 143. 1 3 | 62.02 |
| J-688 | 5.29(0.44) | 431.07 | 270.00 | 161.07 | 69.80 |
| J-69 | 2.65(0.44) | 436.71 | 195.00 | 241.71 | 104.74 |
| | | | | | |
| J -7 | 0.00 | 438.86 | 204.00 | 234.86 | 101.77 |
| J-705 | 0.00 | 429.81 | 285.00 | 144.81 | 62.75 |
| J-730 | 0.00 | 419.29 | 175.00 | 244.29 | 105.86 |
| J-731 | 0.44(0.44) | | 252.00 | 177.74 | 77.02 |
| | | | | | |
| J-737 | 2.20(0.44) | 429.76 | 260.00 | 169.76 | 73.56 |
| J-760 | 4.41(0.44) | 429.69 | 210.00 | 219.69 | 95.20 |
| J-763 | 0.00 | 429.69 | 190.00 | 239.69 | 103.87 |
| J-764 | 0.00 | 429.69 | 195.00 | 234.69 | 101.70 |
| | | | | | |
| J-765 | 0.00 | 427.93 | 252.00 | 175.93 | 76.24 |
| J-779 | 1.76(0.44) | 427.88 | 246.00 | 181.88 | 78.81 |
| J-8 | 7.50(0.44) | 437.30 | 205.00 | 232.30 | 100.66 |
| J-87 | 1.76(0.44) | 436.60 | 180.00 | 256.60 | 111.19 |
| | 0.00 | 438.84 | 194.00 | | 106.10 |
| J-9 | | | | 244.84 | |
| Pump-1 | 0.00 | 443.32 | 280.00 | 163.32 | 70.77 |
| Pump-2 | 0.00 | 443.32 | 280.00 | 163.32 | 70.77 |
| Pump-3 | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| _ | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| Pump-4 | | | | | |
| Pump-5 | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| | | | | | |

| Pump-6 | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
|--------|------|--------|--------|--------|--------|
| R-1 | | 195.00 | 191.00 | 4.00 | 1.73 |
| T-1 | | 292.00 | 280.00 | 12.00 | 5.20 |
| T-2 | | 292.00 | 280.00 | 12.00 | 5.20 |
| T-3 | | 292.00 | 280.00 | 12.00 | 5.20 |
| Pump-1 | 0.00 | 291.93 | 280.00 | 11.93 | 5.17 |
| Pump-2 | 0.00 | 291.93 | 280.00 | 11.93 | 5.17 |
| Pump-3 | 0.00 | 114.81 | 191.00 | -76.19 | -33.02 |
| Pump-4 | 0.00 | 114.81 | 191.00 | -76.19 | -33.02 |
| Pump-5 | 0.00 | 195.00 | 191.00 | 4.00 | 1.73 |
| Pump-6 | 0.00 | 195.00 | 191.00 | 4.00 | 1.73 |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| J-36 | 111.24 | Pump-3 | -33.02 |
| J-87 | 111.19 | Pump-4 | -33.02 |
| J-9 | 106.10 | J-383 | 1.73 |
| J-730 | 105.86 | R-1 | 1.73 |
| J-354 | 105.46 | Pump-5 | 1.73 |
| J-43 | 105.33 | Pump-6 | 1.73 |
| J-1 | 104.79 | Pump-1 | 5.17 |
| J-24 | 104.74 | Pump-2 | 5.17 |
| J-69 | 104.74 | J-31 | 5.19 |
| J-235 | 103.95 | J-298 | 5.20 |
| | | | |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-62 | 2.56 | P-145 | 0.00 |
| P-65 | 2.13 | P-149 | 0.00 |
| P-49 | 2.02 | P-148 | 0.00 |
| P-143 | 1.95 | P-152 | 0.00 |
| P-104 | 1.95 | P-154 | 0.00 |
| P-105 | 1.90 | P-146 | 0.00 |
| P-92 | 1.78 | P-147 | 0.00 |
| P-17 | 1.78 | P-150 | 0.00 |
| P-97 | 1.71 | P-151 | 0.00 |
| P-66 | 1.71 | P-45 | 0.00 |

H L / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-97 | 13.06 | P-145 | 0.00 |
| P-92 | 8.77 | P-149 | 0.00 |
| P-49 | 7.88 | P-148 | 0.00 |
| P-62 | 7.66 | P-146 | 0.00 |
| P-143 | 7.40 | P-147 | 0.00 |
| P-104 | 7.40 | P-151 | 0.00 |
| P-105 | 7.08 | P-150 | 0.00 |
| P-35 | 5.91 | P-152 | 0.00 |
| P-65 | 5.42 | P-154 | 0.00 |
| P-54 | 5.27 | P-45 | 0.00 |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| | NODE | - | FLOWRA
(gpm) | | NODE
TITLE |
|-----|--------|---------|-----------------|--------|---------------|
| | R-1 | | 0. | 00 | |
| | T-1 | | 125. | 54 | |
| | T-2 | | 125. | 54 | |
| | T-3 | | 125. | 54 | |
| | | | | | |
| NET | SYSTEM | INFLOW | = | 376.61 | |
| NET | SYSTEM | OUTFLOW | = | 0.00 | |
| NET | SYSTEM | DEMAND | = | 376.61 | |
| | | | | | |

**** HYDRAULIC ANALYSIS COMPLETED *****

INPUT DATA FILENAME ------ C:\JENNIF-1\JULYMO-1\BEECHW-4.DT2
TABULATED OUTPUT FILENAME ----- C:\JENNIF-1\JULYMO-1\BEECHW-4.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF-1\JULYMO-1\BEECHW-4.RS2

SUMMARY OF ORIGINAL DATA

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet PRESSURE = psig

PIPELINE DATA

| PIPE | NODE | NAMES | LENGTH | DIAMETER | ROUGHNESS | MINOR |
|----------|--------|---------------|---------|----------|-----------|-------------|
| NAME | #1 | #2 | (ft) | (in) | COEFF. | LOSS COEFF. |
| P-1 | J-2 | J-8 | 279.18 | 4.00 | 100.0000 | 0.00 |
| P-10 | J-128 | J-11 | 1305.98 | 4.00 | 100.0000 | 0.00 |
| P-100 | J-705 | J-737 | 592.37 | 4.00 | 100.0000 | 0.00 |
| P-101 | J-737 | J-20 | 572.90 | 4.00 | 100.0000 | 0.00 |
| P-102 | J-760 | J-763 | 348.92 | 4.00 | 100.0000 | 0.00 |
| P-103 | J-760 | J-764 | 300.37 | 2.00 | 100.0000 | 0.00 |
| P-104 | J-559 | J -765 | 383.94 | 6.00 | 100.0000 | 0.00 |
| P-105 | J-765 | J-579 | 386.75 | 6.00 | 100.0000 | 0.00 |
| P-106 | J-765 | J-779 | 64.90 | 1.50 | 100.0000 | 0.00 |
| P-107 | J-1 | J-69 | 1254.50 | 3.00 | 100.0000 | 0.00 |
| P-108 | J-3 | J-4 | 831.73 | 6.00 | 100.0000 | 0.00 |
| P-109 | J-4 | J- 5 | 2361.50 | 6.00 | 100.0000 | 0.00 |
| P-11 | J-142 | J-146 | 220.39 | 4.00 | 100.0000 | 0.00 |
| P-110 | J-5 | J-47 | 602.25 | 6.00 | 100.0000 | 0.00 |
| P-111 | J-313 | J-316 | 1241.69 | 3.00 | 100.0000 | 0.00 |
| P-112 | J-7 | J-9 | 576.93 | 4.00 | 100.0000 | 0.00 |
| P-113 | J-9 | J-10 | 873.19 | 4.00 | 100.0000 | 0.00 |
| P-114 | J-10 | J-221 | 394.93 | 4.00 | 100.0000 | 0.00 |
| P-115 | J-11 | J-142 | 357.81 | 4.00 | 100.0000 | 0.00 |
| P-116-XX | Pump-3 | J-12 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-117 | J-128 | J-146 | 1543.56 | 4.00 | 100.0000 | 0.00 |
| P-118-XX | R-1 | J-383 | 40.00 | 6.00 | 100.0000 | 0.00 |
| P-119 | J-15 | J-45 | 2506.73 | 2.00 | 100.0000 | 0.00 |
| P-12 | J-142 | J-128 | 968.56 | 4.00 | 100.0000 | 0.00 |
| P-120 | J-16 | J-45 | 436.42 | 3.00 | 100.0000 | 0.00 |
| P-121 | J-730 | J-18 | 1227.49 | | 100.0000 | 0.00 |
| P-122-XX | Pump-4 | J-12 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-123 | J-19 | J-18 | 354.38 | | 100.0000 | 0.00 |
| P-124 | J-20 | J-760 | 1041.86 | | 100.0000 | 0.00 |
| P-125 | J-21 | J-610 | 698.57 | | 100.0000 | 0.00 |
| P-126 | J-22 | J-526 | 392.31 | 2.00 | 100.0000 | 0.00 |
| P-127 | J-23 | J-22 | 486.37 | | 100.0000 | 0.00 |
| P-128 | J-25 | J-525 | 152.16 | 4.00 | 100.0000 | 0.00 |
| P-129 | J-26 | J-440 | 295.75 | 3.00 | 100.0000 | 0.00 |

| P-13 | J-6 | J-127 | 398.66 | 6.00 | 100.0000 | 0.00 |
|----------|--------|---------------|---------|------|----------|------|
| P-130 | J-27 | J-26 | 870.01 | 3.00 | 100.0000 | 0.00 |
| P-131 | J-28 | J-29 | 365.95 | 3.00 | 100.0000 | 0.00 |
| P-132 | J-29 | J-479 | 974.20 | 3.00 | 100.0000 | 0.00 |
| P-133-XX | J-383 | Pump-5 | 55.43 | 6.00 | 100.0000 | 0.00 |
| P-134-XX | | - | | | | |
| | Pump-5 | J-12 | 53.31 | 6.00 | 100.0000 | 0.00 |
| P-135-XX | J-383 | Pump-6 | 42.38 | 6.00 | 100.0000 | 0.00 |
| P-136-XX | Pump-6 | J-12 | 39.67 | 6.00 | 100.0000 | 0.00 |
| P-137 | J-17 | J-436 | 1446.28 | 8.00 | 100.0000 | 0.00 |
| P-138 | T-1 | J-31 | 40.00 | 8.00 | 100.0000 | 0.00 |
| P-139 | T-3 | J-31 | 40.00 | 8.00 | 100.0000 | 0.00 |
| P-14 | J-167 | J-146 | 260.58 | 4.00 | 100.0000 | 0.00 |
| P-140 | T-2 | J-31 | 40.00 | 8.00 | 100.0000 | 0.00 |
| P-141 | J-32 | J-167 | 445.40 | 4.00 | 100.0000 | 0.00 |
| P-142 | Pump-2 | J-30 | 30.00 | 8.00 | 100.0000 | 0.00 |
| | J-17 | | | | | |
| P-143 | | J-32 | 227.46 | 6.00 | 100.0000 | 0.00 |
| P-144 | J-688 | J-33 | 751.20 | 3.00 | 100.0000 | 0.00 |
| P-145 | J-688 | J-34 | 317.00 | 6.00 | 100.0000 | 0.00 |
| P-146 | J-34 | J-35 | 384.00 | 4.00 | 100.0000 | 0.00 |
| P-147 | J-34 | J-38 | 1087.00 | 4.00 | 100.0000 | 0.00 |
| P-148 | J-38 | J-37 | 942.28 | 4.00 | 100.0000 | 0.00 |
| P-149 | J-38 | J-37 | 547.00 | 4.00 | 100.0000 | 0.00 |
| P-15 | J-167 | J-175 | 530.41 | 2.00 | 100.0000 | 0.00 |
| P-150 | J-37 | J-42 | 502.00 | 4.00 | 100.0000 | 0.00 |
| P-151 | J-39 | J-35 | 1142.00 | 4.00 | 100.0000 | 0.00 |
| P-152 | J-39 | J-41 | 327.00 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-153 | J-41 | J-40 | 402.00 | 3.00 | 100.0000 | 0.00 |
| P-154 | J-41 | J-42 | 969.00 | 3.00 | 100.0000 | 0.00 |
| P-155 | J-42 | J-39 | 327.00 | 3.00 | 100.0000 | 0.00 |
| P-156 | J-688 | J-43 | 1362.95 | 4.00 | 100.0000 | 0.00 |
| P-157 | J-44 | J-687 | 63.77 | 4.00 | 100.0000 | 0.00 |
| P-158 | J-44 | J-46 | 242.50 | 4.00 | 100.0000 | 0.00 |
| P-159 | J-45 | J-15 | 429.53 | 2.00 | 100.0000 | 0.00 |
| P-16 | J-176 | J-179 | 267.62 | 2.00 | 100.0000 | 0.00 |
| P-160 | J-47 | J-121 | 228.45 | 6.00 | 100.0000 | 0.00 |
| P-17 | J-127 | J-182 | 77.07 | 8.00 | 100.0000 | 0.00 |
| P-18 | J-182 | J-176 | 228.42 | 8.00 | 100.0000 | 0.00 |
| P-19 | J-187 | J -7 | 753.42 | 4.00 | 100.0000 | 0.00 |
| P-2 | J-8 | J-24 | 1025.69 | 3.00 | 100.0000 | 0.00 |
| P-20 | J-221 | J-187 | 253.73 | 4.00 | 100.0000 | 0.00 |
| P-21 | J-221 | J-228 | 529.90 | 2.00 | 100.0000 | 0.00 |
| P-22 | J-229 | J-187 | 431.44 | 4.00 | 100.0000 | 0.00 |
| P-23 | J-229 | J-234 | 272.81 | 2.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-24 | J-235 | J-239 | 133.38 | 4.00 | 100.0000 | 0.00 |
| P-25 | J-229 | J-239 | 539.17 | 4.00 | 100.0000 | 0.00 |
| P-26 | J-182 | J-245 | 338.81 | 4.00 | 100.0000 | 0.00 |
| P-27 | J-245 | J-229 | 657.13 | 4.00 | 100.0000 | 0.00 |
| P-28 | J-245 | J-2 59 | 392.55 | 2.00 | 100.0000 | 0.00 |
| P-29 | J-260 | J-32 | 103.54 | 6.00 | 100.0000 | 0.00 |
| P-3 | J-24 | J-36 | 817.86 | 2.00 | 100.0000 | 0.00 |
| P-30 | J-260 | J-273 | 192.23 | 2.00 | 100.0000 | 0.00 |
| P-31 | J-274 | J-276 | 316.08 | 2.00 | 100.0000 | 0.00 |
| P-32 | J-276 | J-279 | 142.51 | 2.00 | 100.0000 | 0.00 |
| P-33 | J-279 | J-283 | 111.65 | 1.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-34 | J-274 | J-288 | 729.21 | 2.00 | 100.0000 | 0.00 |
| P-35 | J-288 | J-291 | 103.15 | 2.00 | 100.0000 | 0.00 |
| P-36 | J-276 | J-294 | 374.41 | 2.00 | 100.0000 | 0.00 |
| P-37 | J-294 | J-297 | 94.10 | 1.00 | 100.0000 | 0.00 |
| P-38-XX | J-298 | T-1 | 40.00 | 6.00 | 100.0000 | 0.00 |
| P-39 | J-304 | J-305 | 305.82 | 4.00 | 100.0000 | 0.00 |
| P-4 | J-8 | J-1 | 447.42 | 3.00 | 100.0000 | 0.00 |
| P-40 | J-306 | J-304 | 331.83 | 2.00 | 100.0000 | 0.00 |
| P-41 | J-304 | J-313 | 263.35 | 3.00 | 100.0000 | 0.00 |
| P-42 | J-314 | J-316 | 270.35 | 3.00 | 100.0000 | 0.00 |
| P-43-XX | J-298 | T-2 | 40.00 | 6.00 | 100.0000 | 0.00 |
| | J-313 | J-331 | 335.08 | 3.00 | 100.0000 | 0.00 |
| P-44 | | | | | 100.0000 | |
| P-45 | J-331 | J-316 | 369.36 | 3.00 | | 0.00 |
| P-46 | J-331 | J-339 | 226.40 | 2.00 | 100.0000 | 0.00 |
| P-47 | J-340 | J-304 | 1305.53 | 4.00 | 100.0000 | 0.00 |
| P-48 | J-340 | J-354 | 253.54 | 2.00 | 100.0000 | 0.00 |
| P-49 | J-13 | J-14 | 269.54 | 6.00 | 100.0000 | 0.00 |

| P-5 | J-69 | J-24 | 690.49 | 3.00 | 100.0000 | 0.00 |
|---------|--------|---------------|---------|-------|----------|------|
| P-50 | J-305 | J-314 | 1095.48 | 4.00 | 100.0000 | 0.00 |
| P-51 | J-176 | J-370 | 499.52 | 6.00 | 100.0000 | 0.00 |
| P-52 | J-370 | J-260 | 40.49 | 6.00 | 100.0000 | 0.00 |
| P-53 | J-31 | Pump-1 | 30.00 | 8.00 | 100.0000 | 0.00 |
| P-54 | J-14 | J-1.7 | 205.97 | 6.00 | 100.0000 | 0.00 |
| P-55 | J-314 | J-374 | 119.40 | 4.00 | 100.0000 | 0.00 |
| P-56 | J-374 | J-340 | 1102.33 | 4.00 | 100.0000 | 0.00 |
| P-57 | J-31 | Pump-2 | 30.00 | 8.00 | 100.0000 | 0.00 |
| P-58 | J-274 | J-14 | 200.25 | 4.00 | 100.0000 | 0.00 |
| P-59 | J-305 | J-13 | 367.20 | 4.00 | 100.0000 | 0.00 |
| P-6 | J-69 | J-87 | 528.61 | 2.00 | 100.0000 | 0.00 |
| P-60-XX | J-298 | T-3 | 40.00 | 6.00 | 100.0000 | 0.00 |
| P-61-XX | J-383 | Pump-4 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-62 | J-399 | J-401 | 256.39 | 8.00 | 100.0000 | 0.00 |
| P-63 | Pump-1 | J-30 | 30.00 | 8.00 | 100.0000 | 0.00 |
| P-64 | J-239 | J-401 | 1051.03 | 4.00 | 100.0000 | 0.00 |
| P-65 | J-401 | J-127 | 196.59 | 8.00 | 100.0000 | 0.00 |
| P-66 | J-399 | J-13 | 1139.48 | 8.00 | 100.0000 | 0.00 |
| P-67-XX | J-12 | J-298 | 2746.32 | 6.00 | 100.0000 | 0.00 |
| P-68 | J-30 | J-399 | 50.00 | 10.00 | 100.0000 | 0.00 |
| P-69-XX | J-383 | Pump-3 | 20.00 | 6.00 | 100.0000 | 0.00 |
| P-7 | J-2 | J-3 | 1841.70 | 6.00 | 100.0000 | 0.00 |
| P-70 | J-437 | J-439 | 44.75 | 4.00 | 100.0000 | 0.00 |
| P-71 | J-437 | J-440 | 314.61 | 4.00 | 100.0000 | 0.00 |
| P-72 | J-440 | J-28 | 411.08 | 3.00 | 100.0000 | 0.00 |
| P-73 | J-479 | J-27 | 281.17 | 3.00 | 100.0000 | 0.00 |
| P-74 | J-507 | J -479 | 152.55 | 2.00 | 100.0000 | 0.00 |
| P-75 | J-508 | J-25 | 953.75 | 4.00 | 100.0000 | 0.00 |
| P-76 | J-526 | J-23 | 445.08 | 2.00 | 100.0000 | 0.00 |
| P-77 | J-525 | J-557 | 154.80 | 3.00 | 100.0000 | 0.00 |
| P-78 | J-557 | J-526 | 121.61 | 3.00 | 100.0000 | 0.00 |
| P-79 | J-436 | J-559 | 243.73 | 6.00 | 100.0000 | 0.00 |
| P-8 | J-121 | J-122 | 145.50 | 2.00 | 100.0000 | 0.00 |
| P-80 | J-559 | J-437 | 298.02 | 6.00 | 100.0000 | 0.00 |
| P-81 | J-560 | J-565 | 368.10 | 2.00 | 100.0000 | 0.00 |
| P-82 | J-566 | J-560 | 114.84 | 1.50 | 100.0000 | 0.00 |
| P-83 | J-567 | J-560 | 604.29 | 3.00 | 100.0000 | 0.00 |
| P-84 | J-567 | J-577 | 97.63 | 1.50 | 100.0000 | 0.00 |
| P-85 | J-578 | J-579 | 217.02 | 2.00 | 100.0000 | 0.00 |
| P-86 | J-580 | J-578 | 246.14 | 1.50 | 100.0000 | 0.00 |
| P-87 | J-578 | J-594 | 222.04 | 1.50 | 100.0000 | 0.00 |
| P-88 | J-525 | J-21 | 180.29 | 3.00 | 100.0000 | 0.00 |
| P-89 | J-610 | J-508 | 471.68 | 3.00 | 100.0000 | 0.00 |
| P-9 | J-121 | J-6 | 1314.82 | 6.00 | 100.0000 | 0.00 |
| P-90 | J-579 | J-625 | 188.31 | 6.00 | 100.0000 | 0.00 |
| P-91 | J-625 | J-567 | 358.28 | 3.00 | 100.0000 | 0.00 |
| P-92 | J-625 | J-610 | 300.04 | 4.00 | 100.0000 | 0.00 |
| P-93 | J-436 | J-629 | 562.05 | 6.00 | 100.0000 | 0.00 |
| P-94 | J-629 | J-16 | 500.84 | 3.00 | 100.0000 | 0.00 |
| P-95 | J-629 | J-687 | 838.24 | 6.00 | 100.0000 | 0.00 |
| P-96 | J-688 | J-44 | 1065.45 | 4.00 | 100.0000 | 0.00 |
| P-97 | J-687 | J-705 | 100.98 | 4.00 | 100.0000 | 0.00 |
| P-98 | J-705 | J-19 | 2216.98 | 4.00 | 100.0000 | 0.00 |
| P-99 | J-731 | J-737 | 907.22 | 2.00 | 100.0000 | 0.00 |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 4)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 161.54 | 0.00 | 1.00 |
| 115.38 | 500.00 | 1.00 |
| 75.00 | 750.00 | 1.00 |

THERE IS A DEVICE AT NODE Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 5)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 161.54 | 0.00 | 1.00 |
| 115.38 | 500.00 | 1.00 |
| 75 00 | 750 00 | 1 00 |

THERE IS A DEVICE AT NODE Pump-3 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD | FLOWRATE | EFFICIENC | Ϋ́ |
|--------|----------|-----------|-----------|
| (ft) | (gpm) | (%) | |
| | | | - |
| 140.00 | 0.00 | 75.00 | (Default) |
| 120.00 | 360.00 | 75.00 | (Default) |
| 102.00 | 500.00 | 75.00 | (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-4 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD | FLOWRATE | EFFICIENC | CY |
|--------|----------|-----------|-----------|
| (ft) | (gpm) | (%) | |
| | | | • - |
| 140.00 | 0.00 | 75.00 | (Default) |
| 120.00 | 360.00 | 75.00 | (Default) |
| 102.00 | 500.00 | 75.00 | (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-5 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) |
|--------------|-------------------|----------------|
| 41.00 | 45.00 | 75.00 (Default |
| 20.00 | 540.00 | 75.00 (Default |
| 16.00 | 615.00 | 75.00 (Default |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-6 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY (%) | |
|--------------|-------------------|----------------|-------|
| 41.00 | 45.00
540.00 | 75.00 (De | · · · |
| 16.00 | 615.00 | 75.00 (De | |

PUMP SPEED RATIO = 0.900

END NODE DATA

| node
name | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|--------------|---------------|-----------------------------|-------------------------------|---------------------------|
| J-1 | | 21.00 | 195.00 | |
| J-10 | | 0.00 | 205.00 | |
| J-11 | | 0.00 | 245.00 | |
| J-12 | | 0.00 | 191.00 | |
| J-121 | | 0.00 | 240.00 | |
| J-122 | | 0.00 | 245.00 | |
| J-127 | | 0.00 | 250.00 | |
| J-128 | | 32.00 | 233.00 | |
| J-13 | | 23.00 | 260.00 | |
| J-14 | | 0.00 | 260.00 | |
| J-142 | | 28.00 | 264.00 | |

| J-146 | 28.00 | 236.00 |
|-------|-------|--------|
| | 9.00 | 255.00 |
| J-15 | | |
| J-16 | 0.00 | 275.00 |
| J-167 | 8.00 | 232.00 |
| J-17 | 0.00 | 240.00 |
| | | |
| J-175 | 5.00 | 250.00 |
| J-176 | 5.00 | 240.00 |
| J-179 | 5.00 | 205.00 |
| | | |
| J-18 | 40.00 | 195.00 |
| J-182 | 6.00 | 243.00 |
| J-187 | 27.00 | 212.00 |
| | | |
| J-19 | 22.00 | 205.00 |
| J-2 | 4.00 | 210.00 |
| J-20 | 0.00 | 262.00 |
| J-21 | 13.00 | 195.00 |
| | | |
| J-22 | 17.00 | 180.00 |
| J-221 | 28.00 | 204.00 |
| J-228 | 13.00 | 230.00 |
| | | |
| J-229 | 6.00 | 210.00 |
| J-23 | 0.00 | 193.00 |
| J-234 | 6.00 | 200.00 |
| J-235 | 5.00 | 200.00 |
| | | |
| J-239 | 10.00 | 205.00 |
| J-24 | 17.00 | 195.00 |
| J-245 | 13.00 | 214.00 |
| | | |
| J-25 | 15.00 | 220.00 |
| J-259 | 9.00 | 210.00 |
| J-26 | 16.00 | 260.00 |
| | 11.00 | 230.00 |
| J-260 | | |
| J-27 | 0.00 | 198.00 |
| J-273 | 4.00 | 220.00 |
| J-274 | 18.00 | 270.00 |
| | 8.00 | 246.00 |
| J-276 | | |
| J-279 | 0.00 | 245.00 |
| J-28 | 0.00 | 205.00 |
| J-283 | 2.00 | 234.00 |
| | | 243.00 |
| J-288 | 0.00 | |
| J-29 | 13.00 | 210.00 |
| J-291 | 4.00 | 236.00 |
| J-294 | 0.00 | 218.00 |
| | | |
| J-297 | 3.00 | 218.00 |
| J-298 | 0.00 | 280.00 |
| J-3 | 52.00 | 270.00 |
| | 0.00 | 280.00 |
| J-30 | | |
| J-304 | 32.00 | 255.00 |
| J-305 | 4.00 | 238.00 |
| J-306 | 3.00 | 250.00 |
| | | |
| J-31 | 0.00 | 280.00 |
| J-313 | 18.00 | 250.00 |
| J-314 | 30.00 | 210.00 |
| | 14.00 | |
| J-316 | | 228.00 |
| J-32 | 0.00 | 230.00 |
| J-33 | 0.00 | 210.00 |
| J-331 | 3.00 | 250.00 |
| | | 250.00 |
| J-339 | 4.00 | |
| J-34 | 11.00 | 268.00 |
| J-340 | 4.00 | 214.00 |
| J-35 | 20.00 | 265.00 |
| | | |
| J-354 | 4.00 | 193.00 |
| J-36 | 1.00 | 180.00 |
| J-37 | 0.00 | 220.00 |
| | | |
| J-370 | 0.00 | 223.00 |
| J-374 | 24.00 | 208.00 |
| J-38 | 20.00 | 233.00 |
| J-383 | 0.00 | 191.00 |
| | | |
| J~39 | 50.00 | 262.00 |
| J-399 | 0.00 | 280.00 |
| J-4 | 0.00 | 210.00 |
| J-40 | 0.00 | 225.00 |
| | | 250.00 |
| J-401 | 20.00 | |
| J-41 | 20.00 | 225.00 |
| | | |

```
J-42
                           0.00
                                      210.00
 J-43
                           0.00
                                      188.00
                                      242.00
 J-436
                           0.00
J-437
                           0.00
                                      250.00
J-439
                           0.00
                                      250.00
                          0.00
 J-44
                                      285.00
                          18.00
                                      260.00
 J-440
                                     265.00
 J-45
                          53.00
 J-46
                          0.00
                                     280.00
 J-47
                         106.00
                                      260.00
 J-479
                          27.00
                                      198.00
                          0.00
                                      220.00
  J-5
 J-507
                          0.00
                                     198.00
J-508
                          16.00
                                      251.00
J-525
                          0.00
                                      215.00
J-526
                          14.00
                                     200.00
                                      200.00
                          0.00
 J = 557
J-559
                          11.00
                                      255.00
                          13.00
                                     208.00
J-560
 J-565
                          6.00
                                     191.00
 J-566
                          4.00
                                      224.00
                                     220.00
                          14.00
J-567
                          4.00
                                     238.00
J-577
                          10.00
                                      265.00
J-578
J-579
                           8.00
                                      245.00
J-580
                           5.00
                                      260.00
 J-594
                          4.00
                                      275.00
  J-6
                          0.00
                                      280.00
 J-610
                          14.00
                                      218.00
J-625
                          12.00
                                     233.00
                           0.00
                                      270.00
 J-629
 J-687
                           0.00
                                      288.00
                          12.00
                                     270.00
 J-688
                                     195.00
 J-69
                           6.00
  J-7
                           0.00
                                      204.00
                                     285.00
 J-705
                          0.00
J-730
                          13.00
                                     175.00
                          1.00
                                      252.00
 J-731
 J-737
                           5.00
                                      260.00
J-760
                          10.00
                                     210.00
                                     190.00
 J-763
                          0.00
J-764
                           0.00
                                     195.00
                                     252.00
J-765
                          0.00
J-779
                           4.00
                                     246.00
                          17.00
                                      205.00
  J-8
 J-87
                           4.00
                                      180.00
                           0.00
  J-9
                                     194.00
                                     280.00
                           0.00
Pump-1
Pump-2
                           0.00
                                      280.00
Pump-'3
                                     191.00
                           0.00
Pump-4
                           0.00
                                     191.00
                                     191.00
                           0.00
Pump-5
Pump-6
                           0.00
                                     191.00
                                                    195.00
  R-1
                           ----
                                     191.00
                           ----
                                     280.00
  T-1
                                                     292.00
  T-2
                                     280.00
                                                     292.00
                           _ _ _ _
                                     280.00
                                                     292.00
  T-3
```

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

MAXIMUM AND MINIMUM PRESSURES = 10
MAXIMUM AND MINIMUM VELOCITIES = 10
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 10

SYSTEM CONFIGURATION

| NUMBER OF | PIPES(p) | = | 160 |
|-----------|------------------|---|-----|
| NUMBER OF | END NODES(j) | = | 135 |
| NUMBER OF | PRIMARY LOOPS(1) | = | 22 |
| NUMBER OF | SUPPLY NODES(f) | = | 4 |
| NUMBER OF | SUPPLY ZONES(z) | = | 1 |

CHANGES FOR NEXT SIMULATION (Change Number = 3)

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

*** WARNING ***

DUE TO SPECIFIED DEMANDS THE PUMP IN LINE -@Pump-6 IS FORCED TO OPERATE AT ZERO FLOW. THIS MAY CAUSE PROBLEMS CALCULATING THE HGLS IN THE VICINITY OF THE PUMP. TRY CLOSING LINE -@Pump-6 AND RERUN THE SIMULATION.

RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00000

PIPELINE RESULTS

| PIPE
NAME | NODE : | NUMBERS
#2 | FLOWRATE | HEAD
LOSS | MINOR | LINE
VELO. | HL/
1000 |
|--------------|--------|---------------|----------|--------------|-------|---------------|-------------|
| | | | (gpm) | (ft) | (ft) | (ft/s) | (ft/ft) |
| P-1 | J-2 | J-8 | 29.11 | 0.35 | 0.00 | 0.74 | 1.24 |
| P-10 | J-128 | J-11 | -2.86 | 0.02 | 0.00 | 0.07 | 0.02 |
| P-100 | J-705 | J-737 | 7.06 | 0.05 | 0.00 | 0.18 | 0.09 |
| P-101 | J-737 | J-20 | 4.41 | 0.02 | 0.00 | 0.11 | 0.04 |
| P-102 | J-760 | J-763 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-103 | J-760 | J-764 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-104 | J-559 | J-765 | 76.29 | 0.39 | 0.00 | 0.87 | 1.03 |
| P-105 | J-765 | J-579 | 74.53 | 0.38 | 0.00 | 0.85 | 0.98 |
| P-106 | J-765 | J-779 | 1.76 | 0.05 | 0.00 | 0.32 | 0.82 |
| P-107 | J-1 | J-69 | 3.35 | 0.12 | 0.00 | 0.15 | 0.09 |
| P-108 | J-3 | J-4 | -53.80 | 0.45 | 0.00 | 0.61 | 0.54 |
| P-109 | J-4 | J-5 | -53.80 | 1.27 | 0.00 | 0.61 | 0.54 |
| P-11 | J-142 | J-146 | -19.03 | 0.12 | 0.00 | 0.49 | 0.57 |
| P-110 | J-5 | J-47 | -53.80 | 0.32 | 0.00 | 0.61 | 0.54 |
| P-111 | J-313 | J-316 | 1.52 | 0.03 | 0.00 | 0.07 | 0.02 |
| P-112 | J-7 | J-9 | 4.01 | 0.02 | 0.00 | 0.10 | 0.03 |
| P-113 | J-9 | J-10 | 4.01 | 0.03 | 0.00 | 0.10 | 0.03 |
| P-114 | J-10 | J-221 | 4.01 | 0.01 | 0.00 | 0.10 | 0.03 |
| P-115 | J-11 | J-142 | -2.86 | 0.01 | 0.00 | 0.07 | 0.02 |
| P-116 | Pump-3 | J-12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-117 | J-128 | J-146 | -7.43 | 0.15 | 0.00 | 0.19 | 0.10 |
| P-118 | R-1 | J-383 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-119 | J-15 | J-4 5 | -1.10 | 0.21 | 0.00 | 0.11 | 0.08 |
| P-12 | J-142 | J-128 | 3.83 | 0.03 | 0.00 | 0.10 | 0.03 |
| P-120 | J-16 | J-45 | 27.34 | 1.96 | 0.00 | 1.24 | 4.49 |
| P-121 | J-730 | J-18 | -5.73 | 2.20 | 0.00 | 0.59 | 1.79 |
| P-122 | Pump-4 | J-12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-123 | J-19 | J-18 | 23.37 | 0.29 | 0.00 | 0.60 | 0.83 |
| P-124 | J-20 | J-760 | 4.41 | 0.04 | 0.00 | 0.11 | 0.04 |
| P-125 | J-21 | J-610 | -15.16 | 1.05 | 0.00 | 0.69 | 1.51 |
| P-126 | J-22 | J-526 | -4.61 | 0.47 | 0.00 | 0.47 | 1.20 |
| P-127 | J-23 | J-22 | 2.89 | 0.24 | 0.00 | 0.30 | 0.50 |
| P-128 | J-25 | J-525 | 4.25 | 0.01 | 0.00 | 0.11 | 0.04 |
| P-129 | J-26 | J-440 | -14.02 | 0.39 | 0.00 | 0.64 | 1.30 |

| P-13 | J-6 | J-127 | -100.55 | 0.68 | 0.00 | 1.14 | 1.71 |
|--------------|----------------|----------------|----------------|--------------|------|--------------|--------------------|
| P-130 | J-27 | J-26 | -6.96 | 0.31 | 0.00 | 0.32 | 0.36 |
| P-131 | J-28 | J-29 | 10.68 | 0.29 | 0.00 | 0.48 | 0.79 |
| P-132 | J-29 | J-479 | 4.94 | 0.18 | 0.00 | 0.22 | 0.19 |
| P-133 | J-383 | Pump-5 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-134 | Pump-5 | J-12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-135 | J-383 | Pump-6 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-136-XX | Pump-6 | J-12 | | | | | |
| P-137 | J-17 | J-436 | 239.90 | 3.05 | 0.00 | 1.53 | 2.11 |
| P-138 | T-1 | J-31 | 182.13 | 0.05 | 0.00 | 1.16 | 1.27 |
| P-139 | T-3 | J-31 | 182.13 | 0.05 | 0.00 | 1.16 | 1.27 |
| P-14 | J-167 | J-146 | 38.81 | 0.55 | 0.00 | 0.99 | 2.12 |
| P-140 | T-2 | J-31 | 182.13 | 0.05 | 0.00 | 1.16 | 1.27 |
| P-141 | J-32 | J-167 | 44.54 | 1.22 | 0.00 | 1.14 | 2.73 |
| P-142 | Pump-2 | J-30 | 273.20 | 0.08 | 0.00 | 1.74 | 2.69 |
| P-143 | J-17 | J-32 | -92.52 | 0.33 | 0.00 | 1.05 | 1.47 |
| P-144 | J-688 | J-33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-145 | J-688 | J-34 | 53.36 | 0.17 | 0.00 | 0.61 | 0.53 |
| P-146 | J-34 | J-35 | 27.44 | 0.43 | 0.00 | 0.70 | 1.11 |
| P-147 | J-34 | J-38 | 21.07 | 0.74 | 0.00 | 0.54 | 0.68 |
| P-148 | J-38 | J-37 | 5.23 | 0.05 | 0.00 | 0.13 | 0.05 |
| P-149 | J-38 | J-37 | 7.02 | 0.05 | 0.00 | 0.18 | 0.09 |
| P-15 | J-167 | J-175 | 2.20 | 0.16 | 0.00 | 0.23 | 0.31 |
| P-150 | J-37 | J-42 | 12.25 | 0.13 | 0.00 | 0.31 | 0.25 |
| P-151 | J-39 | J-35 | -18.62 | 0.62 | 0.00 | 0.48 | 0.54 |
| P-152 | J-39 | J-41 | 4.01 | 0.04 | 0.00 | 0.18 | 0.13 |
| P-153 | J-41 | J-40 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-154 | J-41 | J-42 | -4.81 | 0.17 | 0.00 | 0.22 | 0.18 |
| P-155 | J-42 | J-39 | 7.44 | 0.13 | 0.00 | 0.34 | 0.40 |
| P-156 | J-688 | J-43 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-157 | J-44 | J-687 | -58.65 | 0.29 | 0.00 | 1.50 | 4.55 |
| P-158 | J-44 | J-46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-159 | J-45 | J-15 | 2.86 | 0.21 | 0.00 | 0.29 | 0.50 |
| P-16 | J-176 | J-179 | 2.20 | 0.08 | 0.00 | 0.23 | 0.31 |
| P-160 | J-47 | J-121 | -100.55 | 0.39 | 0.00 | 1.14 | 1.71 |
| P-17 | J-127 | J-182 | 177.20 | 0.09 | 0.00 | 1.13 | 1.20 |
| P-18 | J-182 | J-176 | 148.09 | 0.20 | 0.00 | 0.95 | 0.86 |
| P-19 | J-187 | J-7 | 4.01 | 0.02 | 0.00 | 0.10 | 0.03 |
| P-2 | J-8 | J-24 | 8.99 | 0.59 | 0.00 | 0.41 | 0.57 |
| P-20
P-21 | J-221
J-221 | J-187
J-228 | -14.07
5.73 | 0.08
0.95 | 0.00 | 0.36
0.59 | 0.32 |
| P-21
P-22 | J-221
J-229 | J-187 | | | 0.00 | | 1.79 |
| P-22
P-23 | J-229 | J-234 | 29.99 | 0.57 | 0.00 | 0.77 | 1.31 |
| P-23
P-24 | J-235 | J-234 | 2.65
-2.20 | 0.12
0.00 | 0.00 | 0.27
0.06 | 0.43
0.01 |
| P-24
P-25 | J-229 | J-239 | -18.51 | 0.00 | 0.00 | 0.47 | 0.54 |
| P-26 | J-182 | J-245 | 26.47 | 0.35 | 0.00 | 0.47 | 1.04 |
| P-27 | J-245 | J-229 | 16.77 | 0.33 | 0.00 | 0.43 | 0.45 |
| P-28 | J-245 | J-259 | 3.97 | 0.29 | 0.00 | 0.41 | 0.43 |
| P-29 | J-260 | J-32 | 137.06 | 0.31 | 0.00 | 1.56 | 3.04 |
| P-3 | J-24 | J-36 | 0.44 | 0.01 | 0.00 | 0.05 | 0.02 |
| P-30 | J-260 | J-273 | 1.76 | 0.04 | 0.00 | 0.18 | 0.20 |
| P-31 | J-274 | J-276 | 5.73 | 0.57 | 0.00 | 0.59 | 1.79 |
| P-32 | J-276 | J-279 | 0.88 | 0.01 | 0.00 | 0.09 | 0.06 |
| P-33 | J-279 | J-283 | 0.88 | 0.18 | 0.00 | 0.36 | 1.64 |
| P-34 | J-274 | J-288 | 1.76 | 0.15 | 0.00 | 0.18 | 0.20 |
| P-35 | J-288 | J-291 | 1.76 | 0.02 | 0.00 | 0.18 | 0.20 |
| P-36 | J-276 | J-294 | 1.32 | 0.04 | 0.00 | 0.14 | 0.12 |
| P-37 | J-294 | J-297 | 1.32 | 0.33 | 0.00 | 0.54 | 3.47 |
| P-38 | J-298 | T-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-39 | J-304 | J-305 | -37.27 | 0.60 | 0.00 | 0.95 | 1.96 |
| P-4 | J-8 | J-1. | 12.61 | 0.48 | 0.00 | 0.57 | 1.07 |
| P-40 | J-306 | J-304 | -1.32 | 0.04 | 0.00 | 0.14 | 0.12 |
| P-41 | J-304 | J-313 | 12.53 | 0.28 | 0.00 | 0.57 | 1.06 |
| P-42 | J-314 | J-316 | 4.67 | 0.05 | 0.00 | 0.21 | 0.17 |
| P-43-XX | J-298 | T-2 | | | | | - · - · |
| P-44 | J-313 | J-331 | 3.08 | 0.03 | 0.00 | 0.14 | 0.08 |
| P-45 | J-331 | J-316 | -0.01 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-46 | J-331 | J-339 | 1.76 | 0.05 | 0.00 | 0.18 | 0.20 |
| P-47 | J-340 | J-304 | -9.30 | 0.20 | 0.00 | 0.24 | 0.15 |
| P-48 | J-340 | J-354 | 1.76 | 0.05 | 0.00 | 0.18 | 0.20 |
| P-49 | J-13 | J-14 | 162.82 | 1.13 | 0.00 | 1.85 | 4.18 |
| | | | | | | | |

| P-5 | J-69 | J-24 | -1.06 | 0.01 | 0.00 | 0.05 | 0.01 |
|---------|----------------|-------------|---------|------|------|------|------|
| P-50 | J-305 | J-314 | 22.71 | 0.86 | 0.00 | 0.58 | 0.78 |
| P-51 | J-176 | J-370 | 143.68 | 1.66 | 0.00 | 1.63 | 3.32 |
| P-52 | J-370 | J-260 | 143.68 | 0.13 | 0.00 | 1.63 | 3.32 |
| P-53 | J-31 | Pump-1 | 273.20 | 0.08 | 0.00 | 1.74 | 2.69 |
| P-54 | J-14 | J-17 | 147.38 | 0.72 | 0.00 | 1.67 | 3.48 |
| P-55 | J-314 | J-374 | 4.81 | 0.01 | 0.00 | 0.12 | 0.04 |
| P-56 | J-374 | J-340 | -5.77 | 0.07 | 0.00 | 0.15 | 0.06 |
| P-57 | J-31 | Pump-2 | 273.20 | 0.08 | 0.00 | 1.74 | 2.69 |
| P-58 | J-274 | J-14 | -15.44 | 0.08 | 0.00 | 0.39 | 0.38 |
| P-59 | J-305 | J-13 | -61.74 | 1.84 | 0.00 | 1.58 | 5.00 |
| P-6 | J-69 | J-87 | 1.76 | 0.11 | 0.00 | 0.18 | 0.20 |
| P-60-XX | J-298 | T-3 | | | | | |
| P-61-XX | J -383 | Pump-4 | | | | | |
| P-62 | J-399 | J-401 | 311.70 | 0.88 | 0.00 | 1.99 | 3.43 |
| P-63 | Pump-1 | J-30 | 273.20 | 0.08 | 0.00 | 1.74 | 2.69 |
| P-64 | J-239 | J-401 | -25.13 | 0.99 | 0.00 | 0.64 | 0.95 |
| P-65 | J-401 | J-127 | 277.75 | 0.54 | 0.00 | 1.77 | 2.77 |
| P-66 | J-399 | J-13 | 234.70 | 2.31 | 0.00 | 1.50 | 2.03 |
| P-67-XX | J-12 | J-298 | | | | | |
| P-68 | J-30 | J-399 | 546.40 | 0.16 | 0.00 | 2.23 | 3.27 |
| P-69-XX | J-383 | Pump-3 | | | | | |
| P-7 | J-2 | J-3 | -30.87 | 0.35 | 0.00 | 0.35 | 0.19 |
| P-70 | J-437 | J-439 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-71 | J-437 | J-440 | 32.63 | 0.48 | 0.00 | 0.83 | 1.53 |
| P-72 | J-440 | J-28 | 10.68 | 0.32 | 0.00 | 0.48 | 0.79 |
| P-73 | J-479 | J-27 | -6.96 | 0.10 | 0.00 | 0.32 | 0.36 |
| P-74 | J-507 | J-479 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-75 | J-508 | J-25 | 10.86 | 0.19 | 0.00 | 0.28 | 0.20 |
| P-76 | J-526 | J-23 | 2.89 | 0.22 | 0.00 | 0.30 | 0.50 |
| P-77 | J-525 | J-557 | 13.67 | 0.19 | 0.00 | 0.62 | 1.24 |
| P-78 | J-557 | J-526 | 13.67 | 0.15 | 0.00 | 0.62 | 1.24 |
| P-79 | J-436 | J-559 | 113.78 | 0.52 | 0.00 | 1.29 | 2.15 |
| P-8 | J-121 | J-122 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-80 | J-559 | J-437 | 32.63 | 0.06 | 0.00 | 0.37 | 0.21 |
| P-81 | J-560 | J-565 | 2.65 | 0.16 | 0.00 | 0.27 | 0.43 |
| P-82 | J-566 | J-560 | -1.76 | 0.09 | 0.00 | 0.32 | 0.82 |
| P-83 | J-567 | J-560 | 10.14 | 0.43 | 0.00 | 0.46 | 0.72 |
| P-84 | J-567 | J-577 | 1.76 | 0.08 | 0.00 | 0.32 | 0.82 |
| P-85 | J-578 | J-579 | -8.38 | 0.79 | 0.00 | 0.86 | 3.62 |
| P-86 | J-580 | J-578 | -2.20 | 0.31 | 0.00 | 0.40 | 1.24 |
| P-87 | J-578 | J-594 | 1.76 | 0.18 | 0.00 | 0.32 | 0.82 |
| P-88 | J-525 | J-21 | -9.42 | 0.11 | 0.00 | 0.43 | 0.62 |
| P-89 | J-6 1 0 | J-508 | 17.92 | 0.97 | 0.00 | 0.81 | 2.05 |
| P-9 | J-121 | J -6 | -100.55 | 2.25 | 0.00 | 1.14 | 1.71 |
| P-90 | J-579 | J-625 | 62.62 | 0.13 | 0.00 | 0.71 | 0.71 |
| P-91 | J-625 | J-567 | 18.08 | 0.75 | 0.00 | 0.82 | 2.09 |
| P-92 | J-625 | J-610 | 39.25 | 0.65 | 0.00 | 1.00 | 2.16 |
| P-93 | J-436 | J-629 | 126.13 | 1.46 | 0.00 | 1.43 | 2.61 |
| P-94 | J-629 | J-16 | 27.34 | 2.25 | 0.00 | 1.24 | 4.49 |
| P-95 | J-629 | J-687 | 98.78 | 1.39 | 0.00 | 1.12 | 1.66 |
| P-96 | J-688 | J-44 | -58.65 | 4.84 | 0.00 | 1.50 | 4.55 |
| P-97 | J-687 | J-705 | 40.13 | 0.23 | 0.00 | 1.02 | 2.25 |
| P-98 | J-705 | J-19 | 33.08 | 3.49 | 0.00 | 0.84 | 1.57 |
| P-99 | J-731 | J-737 | -0.44 | 0.01 | 0.00 | 0.05 | 0.02 |

PUMP/LOSS ELEMENT RESULTS

| NAME | FLOWRATE | INLET
HEAD
(ft) | OUTLET
HEAD
(ft) | HEAD
CHANGE
(ft) | EFFIC-
ENCY
(%) | USEFUL
POWER
(Hp) | INCREMTL
COST
(\$) | TOTAL
COST
(\$) |
|--------|----------|-----------------------|------------------------|------------------------|-----------------------|-------------------------|--------------------------|-----------------------|
| Pump-1 | 273.20 | 11.87 | 155.32 | 143.5 | | | | |
| Pump-2 | 273.20 | 11.87 | 155.32 | 143.5 | | | | |
| Pump-3 | 0.00 | -76.19 | 37.21 | 113.4 | | | | |
| Pump-4 | 0.00 | -76.19 | 37.21 | 113.4 | | | | |
| Pump-5 | 0.00 | 4.00 | 37.21 | 33.2 | | | | |
| Pump-6 | 0.00 | 4.00 | 37.21 | 33.2 | | | | |

END NODE RESULTS

| | NODE
TITLE | NODE EXTERNAL
TITLE DEMAND | | NODE
ELEVATION | PRESSURE
HEAD | NODE
PRESSURE |
|-------------------------|---------------|-------------------------------|----------------------------|-------------------|------------------|------------------|
| | | (gpm) | (ft) | (ft) | (ft) | (psi) |
| J-1 | | 9.26(0. | 44) 427.11 | 195.00 | 232.11 | 100.58 |
| J-10 | | 0.00 | 432.28 | 205.00 | 227.28 | 98.49 |
| J-11 | | 0.00 | 429.36 | 245.00 | 184.36 | 79.89 |
| J-12 | | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| J-121 | | 0.00 | 430.72 | 240.00 | 190.72 | 82.65 |
| J-122 | | 0.00 | 430.72 | 245.00 | 185.72 | 80.48 |
| J-127 | | 0.00 | 433.66 | 250.00 | 183.66 | 79.58 |
| J-128 | | | 44) 429.34 | 233.00 | 196.34 | 85.08 |
| J-13 | | | 44) 432.77 | 260.00 | 172.77 | 74.87 |
| J-14 | | 0.00 | 431.64 | 260.00 | 171.64 | 74.38 |
| J-142 | | | 44) 429.37 | 264.00 | 165.37 | 71.66 |
| J-146 | | | 44) 429.49 | 236.00 | 193.49 | 83.85 |
| J-15 | | | 44) 421.99 | 255.00 | 166.99 | 72.36 |
| J-16 | | 0.00 | 424.16 | 275.00 | 149.16 | 64.64 |
| J-167 | | | 424.16 | | | |
| | | 0.00 | | 232.00 | 198.05 | 85.82 |
| J-17 | | | 430.93 | 240.00 | 190.93 | 82.74 |
| J-175 | | | 44) 429.88 | 250.00 | 179.88 | 77.95 |
| J-176 | | | 44) 433.37 | 240.00 | 193.37 | 83.79 |
| J-179 | | | 44) 433.29 | 205.00 | 228.29 | 98.92 |
| J-18 | | | 44) 421.01 | 195.00 | 226.01 | 97.94 |
| J-182 | | | 44) 433.56 | 243.00 | 190.56 | 82.58 |
| J-187 | | | 44) 432.35 | 212.00 | 220.35 | 95.49 |
| J-19 | | | 44) 421.31 | 205.00 | 216.31 | 93.73 |
| J-2 | | | 44) 427.94 | 210.00 | 217.94 | 94.44 |
| J-20 | | 0.00 | 424.72 | 262.00 | 162.72 | 70.51 |
| J-21 | | | 44) 424.74 | 195.00 | 229.74 | 99.55 |
| J-22 | | | 44) 423.82 | 180.00 | 243.82 | 105.65 |
| J-221 | | | 44) 432.27 | 204.00 | 228.27 | 98.92 |
| J-228 | | 5.73(0. | 44) 431.32 | 230.00 | 201.32 | 87.24 |
| J-229 | | 2.65(0. | 44) 432.92 | 210.00 | 222.92 | 96.60 |
| J-23 | | 0.00 | 424.06 | 193.00 | 231.06 | 100.13 |
| J-234 | | 2.65(0. | 44) 432.80 | 200.00 | 232.80 | 100.88 |
| J-235 | | 2.20(0. | 44) 433,21 | 200.00 | 233.21 | 101.06 |
| J-239 | | 4.41(0. | 44) 433.21 | 205.00 | 228.21 | 98.89 |
| J-24 | | 7.50(0. | 44) 427.00 | 195.00 | 232.00 | 100.53 |
| J-245 | | 5.73(0. | 44) 433.21 | 214.00 | 219.21 | 94.99 |
| J-25 | | 6.61(0. | 44) 424.63 | 220.00 | 204.63 | 88.67 |
| J-259 | | 3.97(0. | 44) 432.86 | 210.00 | 222.86 | 96.57 |
| J-26 | | 7.06(0. | 44) 426.42 | 260.00 | 166.42 | 72.11 |
| J-260 | | 4.85(0. | 44) 431.58 | 230.00 | 201.58 | 87.35 |
| J-27 | | 0.00 | 426.11 | 198.00 | 228.11 | 98.85 |
| J-273 | | 1.76(0. | 44) 431.54 | 220.00 | 211.54 | 91.67 |
| J-274 | | 7.94(0. | 44) 431.57 | 270.00 | 161.57 | 70.01 |
| J-276 | | 3.53(0. | 44) 431.00 | 246.00 | 185.00 | 80.17 |
| J-279 | | 0.00 | 430.99 | 245.00 | 185.99 | 80.60 |
| J-28 | | 0.00 | 426.48 | 205.00 | 221.48 | 95.97 |
| J-283 | | 0.88(0. | 44) 430.81 | 234.00 | 196.81 | 85.28 |
| J-288 | | 0.00 | 431.42 | 243.00 | 188.42 | 81.65 |
| J-29 | | | 44) 426.19 | 210.00 | 216.19 | 93.68 |
| J-291 | | | 44) 431.40 | 236.00 | 195.40 | 84.67 |
| J-294 | | 0.00 | 430.96 | 218.00 | 212.96 | 92.28 |
| J-297 | | | 44) 430.63 | 218.00 | 212.63 | 92.14 |
| J-298 | | 0.00 | 292.00 | 280.00 | 12.00 | 5.20 |
| J-3 | | | 44) 428.29 | 270.00 | 158.29 | 68.59 |
| J-30 | | 0.00 | 435.24 | 280.00 | 155.24 | 67.27 |
| | | | 435.24 | 255.00 | | 75.98 |
| J-304 | | | 44) 430.33 | | 175.33 | |
| J-305 | | | | 238.00 | 192.93 | 83.61 |
| J-306 | | | 44) 430.30 | 250.00 | 180.30 | 78.13 |
| J-31 | | 0.00 | 291.95 | 280.00 | 11.95 | 5.18 |
| | | 7.94(0. | 44) 430.06 | 250.00 | 180.06 | 78.02 |
| J-313 | | | | | | |
| J-313
J-314
J-316 | | 13.23(0. | .44) 430.08
.44) 430.03 | 210.00
228.00 | 220.08
202.03 | 95.37
87.55 |

| J-33 | 0.00 | 419.89 | 210.00 | 209.89 | 90.95 |
|---------------|-------------|---------|--------|--------|--------|
| J-331 | 1.32(0.44) | 430.03 | 250.00 | 180.03 | 78.01 |
| J-339 | 1.76(0.44) | 429.98 | 250.00 | 179.98 | 77.99 |
| J-34 | 4.85(0.44) | | 268.00 | 151.72 | 65.75 |
| | | | | | |
| J-340 | 1.76(0.44) | 430.14 | 214.00 | 216.14 | 93.66 |
| J-35 | 8.82(0.44) | 419.29 | 265.00 | 154.29 | 66.86 |
| J-354 | 1.76(0.44) | 430.09 | 193.00 | 237.09 | 102.74 |
| J-36 | 0.44(0.44) | 426.99 | 180.00 | 246.99 | 107.03 |
| J-37 | 0.00 | 418.93 | 220.00 | | |
| | | | | 198.93 | 86.20 |
| J-370 | 0.00 | 431.71 | 223.00 | 208.71 | 90.44 |
| J-374 | 10.58(0.44) | 430.07 | 208.00 | 222.07 | 96.23 |
| J-38 | 8.82(0.44) | 418.98 | 233.00 | 185.98 | 80.59 |
| J-383 | 0.00 | 195.00 | 191.00 | 4.00 | 1.73 |
| | | | | | |
| J-39 | 22.05(0.44) | | 262.00 | 156.67 | 67.89 |
| J-399 | 0.00 | 435.08 | 280.00 | 155.08 | 67.20 |
| J-4 | 0.00 | 428.74 | 210.00 | 218.74 | 94.79 |
| J-40 | 0.00 | 418.63 | 225.00 | 193.63 | 83.91 |
| J-401 | 8.82(0.44) | | 250.00 | 184.20 | 79.82 |
| | | | | | |
| J-41 | 8.82(0.44) | | 225.00 | 193.63 | 83.91 |
| J-42 | 0.00 | 418.80 | 210.00 | 208.80 | 90.48 |
| J-43 | 0.00 | 419.89 | 188.00 | 231.89 | 100.48 |
| J-436 | 0.00 | 427.87 | 242.00 | 185.87 | 80.55 |
| J-437 | 0.00 | 427.29 | 250.00 | | |
| | | | | 177.29 | 76.82 |
| J-439 | 0.00 | 427.29 | 250.00 | 177.29 | 76.82 |
| J-44 | 0.00 | 424.73 | 285.00 | 139.73 | 60.55 |
| J-440 | 7.94(0.44) | 426.80 | 260.00 | 166.80 | 72.28 |
| J-45 | 23.37(0.44) | | 265.00 | 157.20 | 68.12 |
| | • | | | | |
| J-46 | 0.00 | 424.73 | 280.00 | 144.73 | 62.72 |
| J-47 | 46.75(0.44) | 430.33 | 260.00 | 170.33 | 73.81 |
| J-479 | 11.91(0.44) | 426.01 | 198.00 | 228.01 | 98.80 |
| J-5 | 0.00 | 430.01 | 220.00 | 210.01 | 91.00 |
| J-507 | 0.00 | 426.01 | 198.00 | 228.01 | 98.80 |
| | | | | | |
| J-508 | 7.06(0.44) | | 251.00 | 173.82 | 75.32 |
| J -525 | 0.00 | 424.63 | 215.00 | 209.63 | 90.84 |
| J-526 | 6.17(0.44) | 424.28 | 200.00 | 224.28 | 97.19 |
| J-557 | 0.00 | 424.44 | 200.00 | 224.44 | 97.26 |
| J-559 | 4.85(0.44) | | 255.00 | 172.35 | 74.68 |
| | | | | | |
| J-560 | 5.73 (0.44) | | 208.00 | 217.26 | 94.15 |
| J-565 | 2.65(0.44) | 425.10 | 191.00 | 234.10 | 101.44 |
| J-566 | 1.76(0.44) | 425.17 | 224.00 | 201.17 | 87.17 |
| J-567 | 6.17(0.44) | 425.69 | 220.00 | 205.69 | 89.13 |
| J-577 | 1.76(0.44) | | 238.00 | 187.61 | 81.30 |
| | | | | | |
| J-578 | 4.41(0.44) | | 265.00 | 160.79 | 69.68 |
| J -579 | 3.53(0.44) | 426.57 | 245.00 | 181.57 | 78.68 |
| J-580 | 2.20(0.44) | 425.48 | 260.00 | 165.48 | 71.71 |
| J-594 | 1.76(0.44) | 425.61 | 275.00 | 150.61 | 65.26 |
| J-6 | 0.00 | 432.97 | 280.00 | 152.97 | 66.29 |
| | | | | | |
| J-61 0 | 6.17(0.44) | | 218.00 | 207.79 | 90.04 |
| J-625 | 5.29(0.44) | 426.44 | 233.00 | 193.44 | 83.82 |
| J-629 | 0.00 | 426.41 | 270.00 | 156.41 | 67.78 |
| J-687 | 0.00 | 425.02 | 288.00 | 137.02 | 59.38 |
| J-688 | 5.29(0.44) | 419.89 | 270.00 | 149.89 | 64.95 |
| | | | | | |
| J-69 | 2.65(0.44) | 427.00 | 195.00 | 232.00 | 100.53 |
| J-7 | 0.00 | 432.33 | 204.00 | 228.33 | 98.94 |
| J-705 | 0.00 | 424.79 | 285.00 | 139.79 | 60.58 |
| J-730 | 5.73(0.44) | 418.81 | 175.00 | 243.81 | 105.65 |
| J-731 | 0.44(0.44) | 424.73 | 252.00 | 172.73 | 74.85 |
| | | | | | |
| J-737 | 2.20(0.44) | 424.74 | 260.00 | 164.74 | 71.39 |
| J-760 | 4.41(0.44) | 424.68 | 210.00 | 214.68 | 93.03 |
| J-763 | 0.00 | 424.68 | 190.00 | 234.68 | 101.69 |
| J-764 | 0.00 | 424.68 | 195.00 | 229,68 | 99.53 |
| | 0.00 | 426.96 | | 174.96 | 75.81 |
| J-765 | | | 252.00 | | |
| J -779 | 1.76(0.44) | 426.90 | 246.00 | 180.90 | 78.39 |
| J-8 | 7.50(0.44) | 427.59 | 205.00 | 222.59 | 96.46 |
| J-87 | 1.76(0.44) | 426.89 | 180.00 | 246.89 | 106.99 |
| J-9 | 0.00 | 432.31 | 194.00 | 238.31 | 103.27 |
| | | | | | |
| Pump-1 | 0.00 | 435.32 | 280.00 | 155.32 | 67.31 |
| Pump-2 | 0.00 | 435.32 | 280.00 | 155.32 | 67.31 |
| Pump-3 | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| Pump-4 | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| Pump-5 | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
| | | | | | |

| Pump-6 | 0.00 | 228.21 | 191.00 | 37.21 | 16.12 |
|------------|------|--------|--------|--------|--------|
| R-1 | | 195.00 | 191.00 | 4.00 | 1.73 |
| T-1 | | 292.00 | 280.00 | 12.00 | 5.20 |
| T-2 | | 292.00 | 280.00 | 12.00 | 5.20 |
| T-3 | | 292.00 | 280.00 | 12.00 | 5.20 |
| Pump-1 | 0.00 | 291.87 | 280.00 | 11.87 | 5.14 |
| Pump-2 | 0.00 | 291.87 | 280.00 | 11.87 | 5.14 |
| Pump-3 | 0.00 | 114.81 | 191.00 | -76.19 | -33.02 |
| Pump-4 | 0.00 | 114.81 | 191.00 | -76.19 | -33.02 |
| Pump-5 | 0.00 | 195.00 | 191.00 | 4.00 | 1.73 |
| Pump-6 | 0.00 | 195.00 | 191.00 | 4.00 | 1.73 |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) | |
|--------------------|-------------------------------|--------------------|-------------------------------|--|
| J-36 | 107.03 | Pump-3 | -33.02 | |
| J-87 | 106.99 | Pump-4 | -33.02 | |
| J-22 | 105.65 | J-383 | 1.73 | |
| J-730 | 105.65 | R-1 | 1.73 | |
| J -9 | 103.27 | Pump-5 | 1.73 | |
| J-354 | 102.74 | Pump-6 | 1.73 | |
| J-763 | 101.69 | Pump-1 | 5.14 | |
| J-565 | 101.44 | Pump-2 | 5.14 | |
| J-235 | 101.06 | J-31 | 5.18 | |
| J-234 | 100.88 | J-298 | 5.20 | |

VELOCITIES

| 1 | PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|---|----------------|-------------------------------|----------------|-------------------------------|
| | P-68 | 2.23 | P-45 | 0.00 |
|] | P-62 | 1.99 | P-3 | 0.05 |
|] | P- 49 | 1.85 | P-99 | 0.05 |
| 1 | P-65 | 1.77 | P-5 | 0.05 |
| P | -142 | 1.74 | P-24 | 0.06 |
|] | P-53 | 1.74 | P-111 | 0.07 |
|] | P-57 | 1.74 | P-10 | 0.07 |
| 1 | P-63 | 1.74 | P-115 | 0.07 |
|] | P-54 | 1.67 | P-32 | 0.09 |
| 1 | P-51 | 1.63 | P-12 | 0.10 |
| | | | | |

H L / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-59 | 5.00 | P-45 | 0.00 |
| P-157 | 4.55 | P-24 | 0.01 |
| P-96 | 4.55 | P-5 | 0.01 |
| P-120 | 4.49 | P-99 | 0.02 |
| P-94 | 4.49 | P-3 | 0.02 |
| P-49 | 4.18 | P-10 | 0.02 |
| P-85 | 3.62 | P-115 | 0.02 |
| P-54 | 3.48 | P-111 | 0.02 |
| P-37 | 3.47 | P-12 | 0.03 |
| P-62 | 3.43 | P-112 | 0.03 |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| NOD
NAM | _ | FLOWRA
(gpm) | | NODE
TITLE | |
|-------------------|---|--------------------|----------------|---------------|--|
| R-1
T-1
T-2 | * | 0.
182.
182. | | | |
| T-3 | | 182. | .13 | | |
| NET SYSTEM | INFLOW | = | 546.40 | | |
| NET SYSTEM | | = | 0.00
546.40 | | |

**** HYDRAULIC ANALYSIS COMPLETED *****

INPUT DATA FILENAME ------ C:\JENNIF-1\JULYMO-1\SOUTHS-1.DT2
TABULATED OUTPUT FILENAME ----- C:\JENNIF-1\JULYMO-1\SOUTHS-1.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF-1\JULYMO-1\SOUTHS-1.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet
PRESSURE = psig

PIPELINE DATA

| PIPE | NODE | NAMES | LENGTH | DIAMETER | ROUGHNESS | MINOR |
|-------|-------|-------|---------|----------|-----------|-------------|
| NAME | #1 | #2 | (ft) | (in) | COEFF. | LOSS COEFF. |
| P-1 | R-1 | J-17 | 1097.63 | 12.00 | 100.0000 | 0.00 |
| P-10 | J-83 | J-84 | 1235.43 | 6.00 | 100.0000 | 0.00 |
| P-100 | J-169 | J-391 | 1304.99 | 3.00 | 100.0000 | 0.00 |
| P-101 | J-392 | J-169 | 450.76 | 2.00 | 100.0000 | 0.00 |
| P-102 | J-123 | T-1 | 4541.81 | 14.00 | 100.0000 | 0.00 |
| P-103 | J-343 | J-432 | 1350.37 | 8.00 | 100.0000 | 0.00 |
| P-104 | J-432 | J-296 | 1367.34 | 6.00 | 100.0000 | 0.00 |
| P-105 | J-440 | J-449 | 652.39 | 2.00 | 100.0000 | 0.00 |
| P-106 | J-450 | J-472 | 1559.64 | 2.00 | 100.0000 | 0.00 |
| P-107 | J-473 | J-481 | 975.76 | 3.00 | 100.0000 | 0.00 |
| P-108 | J-481 | J-499 | 1087.08 | 2.00 | 100.0000 | 0.00 |
| P-109 | J-481 | J-506 | 528.26 | 3.00 | 100.0000 | 0.00 |
| P-11 | J-76 | J-89 | 279.53 | 4.00 | 100.0000 | 0.00 |
| P-110 | J-506 | J-512 | 425.70 | 2.00 | 100.0000 | 0.00 |
| P-111 | J-513 | J-515 | 811.19 | 6.00 | 100.0000 | 0.00 |
| P-112 | J-516 | J-518 | 525.66 | 2.00 | 100.0000 | 0.00 |
| P-113 | J-513 | J-516 | 221.20 | 3.00 | 100.0000 | 0.00 |
| P-114 | J-519 | J-513 | 309.94 | 6.00 | 100.0000 | 0.00 |
| P-115 | J-519 | J-522 | 307.47 | 3.00 | 100.0000 | 0.00 |
| P-116 | J-522 | J-523 | 230.65 | 1.30 | 100.0000 | 0.00 |
| P-117 | J-522 | J-526 | 476.49 | 2.00 | 100.0000 | 0.00 |
| P-118 | J-527 | J-526 | 232.74 | 2.00 | 100.0000 | 0.00 |
| P-119 | J-123 | J-529 | 22.60 | 3.00 | 100.0000 | 0.00 |
| P-12 | J-62 | J-93 | 564.76 | 10.00 | 100.0000 | 0.00 |
| P-120 | J-530 | J-532 | 140.27 | 1.00 | 100.0000 | 0.00 |
| P-121 | J-533 | J-534 | 278.03 | 2.00 | 100.0000 | 0.00 |
| P-122 | J-534 | J-516 | 749.89 | 2.00 | 100.0000 | 0.00 |
| P-123 | J-526 | J-539 | 476.86 | 2.00 | 100.0000 | 0.00 |
| P-124 | J-539 | J-530 | 466.18 | 2.00 | 100.0000 | 0.00 |
| P-125 | J-539 | J-534 | 122.02 | 2.00 | 100.0000 | 0.00 |
| P-126 | J-542 | J-519 | 296.17 | 6.00 | 100.0000 | 0.00 |
| P-127 | J-542 | J-550 | 223.95 | 1.00 | 100.0000 | 0.00 |
| P-128 | J-154 | J-161 | 5256.64 | 10.00 | 100.0000 | 0.00 |
| P-129 | J-168 | J-580 | 2141.63 | 8.00 | 100.0000 | 0.00 |
| P-13 | J-19 | J-96 | 264.80 | 2.00 | 100.0000 | 0.00 |
| P-130 | J-580 | J-343 | 2834.74 | 8.00 | 100.0000 | 0.00 |
| P-131 | J-580 | J-591 | 1894.87 | 4.00 | 100.0000 | 0.00 |
| | | | | | | |

| P-132 | J-591 | J-592 | 134.71 | 4.00 | 100.0000 | 0.00 |
|----------------|--------------|----------------|------------------|--------------|----------|--------------|
| P-133 | J-592 | J-608 | 1037.55 | 4.00 | 100.0000 | 0.00 |
| P-134 | J-592 | J-601 | 1137.64 | 3.00 | 100.0000 | 0.00 |
| P-135 | J-601 | J-607 | 815.62 | 3.00 | 100.0000 | 0.00 |
| P-137 | J-608 | J-616 | 536.85 | 2.00 | 100.0000 | 0.00 |
| P-138 | J-608 | J-620 | 645.96 | 4.00 | 100.0000 | 0.00 |
| P-139 | J-620 | J-626 | 705.40 | 2.00 | 100.0000 | 0.00 |
| P-14 | J-93 | J-80 | 301.18 | 10.00 | 100.0000 | 0.00 |
| P-140 | J-620 | J-639 | 2485.66 | 3.00 | 100.0000 | 0.00 |
| P-141 | J-639 | J-648 | 1349.12 | 3.00 | 100.0000 | 0.00 |
| P-142 | J~529 | J-667 | 2353,16 | 2.50 | 100.0000 | 0.00 |
| P-143 | J-667 | J-686 | 1682.67 | 2.50 | 100.0000 | 0.00 |
| P-144 | J-667 | J-698 | 3561.96 | 2.50 | 100.0000 | 0.00 |
| P-145 | J-699 | J-706 | 1673.48 | 2.00 | 100.0000 | 0.00 |
| P-146 | J-228 | J-710 | 2400.15 | 8.00 | 100.0000 | 0.00 |
| P-147 | J-710 | J-192 | 3940.67 | 8.00 | 100.0000 | 0.00 |
| P-148 | J-710 | J-24 | 499.04 | 3.00 | 100.0000 | 0.00 |
| P-149 | J-515 | J-747 | 622.46 | 3.00 | 100.0000 | 0.00 |
| P-15 | J-82 | J-98 | 304.34 | 6.00 | 100.0000 | 0.00 |
| P-150 | J-747 | J-440 | 284.33 | 3.00 | 100.0000 | 0.00 |
| P-151 | J-747 | J-23 | 616.67 | 2.00 | 100.0000 | 0.00 |
| P-152 | J-450 | J-760 | 252.33 | 6.00 | 100.0000 | 0.00 |
| P-153 | J-760 | J-542 | 799.00 | 6.00 | 100.0000 | 0.00 |
| P-154 | J-760 | J-770 | 266.75 | 4.00 | 100.0000 | 0.00 |
| P-155 | J-770 | J-16 | 412.15 | 2.00 | 100.0000 | 0.00 |
| P-156 | J-770 | J-21 | 577.34 | 3.00 | 100.0000 | 0.00 |
| P-157 | J-473 | J-787 | 482.34 | 6.00 | 100.0000 | 0.00 |
| P-158 | J-787 | J-450 | 1207.96 | 6.00 | 100.0000 | 0.00 |
| P-159 | J-787 | J-11 | 717.31 | 3.00 | 100.0000 | 0.00 |
| P-16 | J-98 | J-69 | 263.71 | 6.00 | 100.0000 | 0.00 |
| P-160 | J-811 | J-10 | 598.67 | 2.00 | 100.0000 | 0.00 |
| P-161 | J-816 | J-9 | 138.02 | 2.00 | 100.0000 | 0.00 |
| P-162 | J-432 | J-821 | 240.75 | 6.00 | 100.0000 | 0.00 |
| P-163 | J-822 | J-816 | 573.01 | 6.00 | 100.0000 | 0.00 |
| P-164 | J-822 | J-1 | 969.37 | 3.00 | 100.0000 | 0.00 |
| P-165 | J-837 | J-3 | 618.21 | 3.00 | 100.0000 | 0.00 |
| P-166 | J-837 | J-849 | 512.87 | 3.00 | 100.0000 | 0.00 |
| P-167 | J-821 | J-850 | 198.74 | 6.00 | 100.0000 | 0.00 |
| P-168 | J-850 | J-851 | 216.85 | 6.00 | 100.0000 | 0.00 |
| P-169 | J-851 | J-822 | 156.93 | 6.00 | 100.0000 | 0.00 |
| P-169
P-17 | J-82 | J-102 | 1608.55 | 4.00 | 100.0000 | 0.00 |
| P-170 | J-851 | J-4 | 679.04 | 3.00 | 100.0000 | |
| | J-816 | J-866 | 918.56 | 6.00 | 100.0000 | 0.00 |
| P-171 | J-866 | J-473 | 2101.57 | 6.00 | 100.0000 | 0.00 |
| P-172 | J-866 | J-15 | 242.14 | 4.00 | 100.0000 | 0.00 |
| P-173 | J-1 | | 744.24 | 3.00 | 100.0000 | 0.00 |
| P-174 | J-3 | J-837
J-821 | 1013.29 | 3.00 | 100.0000 | 0.00 |
| P-175 | J-4 | J-621 | 648.41 | 3.00 | 100.0000 | 0.00 |
| P-176 | J-5 | J-850 | | 3.00 | | 0.00 |
| P-177 | J-6 | J-850
J-5 | 591.59
621.47 | 3.00 | 100.0000 | |
| P-178
P-179 | J-7 | J-820 | 165.70 | 2.00 | 100.0000 | 0.00
0.00 |
| | J-84 | J-107 | 1616.93 | 6.00 | 100.0000 | 0.00 |
| P-18 | J-8 | J-7 | 301.37 | 2.00 | 100.0000 | 0.00 |
| P-180 | J-9 | J-8 | 237.74 | 2.00 | 100.0000 | 0.00 |
| P-181 | J-10 | J-815 | 424.90 | 2.00 | 100.0000 | 0.00 |
| P-182 | | | 919.31 | 3.00 | 100.0000 | |
| P-183 | J-11 | J-12 | 648.71 | 3.00 | 100.0000 | 0.00 |
| P-184 | J-12 | J-13 | | 3.00 | 100.0000 | 0.00 |
| P-185 | J-13
J-14 | J-811 | 410.86 | | | 0.00 |
| P-186 | | J-811 | 377.50 | 4.00
4.00 | 100.0000 | 0.00 |
| P-187 | J-15 | J-14 | 431.73 | | 100.0000 | 0.00 |
| P-188 | J-16 | J-775 | 300.59 | 2.00 | 100.0000 | 0.00 |
| P-189 | J-21 | J-22 | 304.95 | 2.00
4.00 | 100.0000 | 0.00 |
| P-19 | J-93 | J-98 | 1236.32 | | 100.0000 | 0.00 |
| P-190 | J-22 | J-781 | 196.08 | 2.00 | 100.0000 | 0.00 |
| P-191 | J-23 | J-756 | 487.45 | 2.00 | 100.0000 | 0.00 |
| P-192 | J-24 | J-25 | 781.45 | 3.00 | 100.0000 | 0.00 |
| P-193 | J-25 | J-26 | 705.32 | 3.00 | 100.0000 | 0.00 |
| P-194 | J-26 | J-27 | 1070.72 | 3.00 | 100.0000 | 0.00 |
| P-195 | J-27 | J-743 | 684.89 | 3.00 | 100.0000 | 0.00 |
| P-196 | J-698 | J-699 | 25.54 | 2.00 | 100.0000 | 0.00 |
| P-2 | J-18 | J-19 | 23.17 | 2.00 | 100.0000 | 0.00 |

| P-20 | J-98 | J-89 | 1156.93 | 4.00 | 100.0000 | 0.00 |
|------|-------|-------|---------|-------|----------|------|
| P-21 | J-89 | J-102 | 740.82 | 4.00 | 100.0000 | 0.00 |
| P-22 | J-102 | J-107 | 294.84 | 6.00 | 100.0000 | |
| | | | | | | 0.00 |
| P-23 | J-118 | J-84 | 241.77 | 6.00 | 100.0000 | 0.00 |
| P-24 | J-20 | J-123 | 370.72 | 12.00 | 100.0000 | 0.00 |
| P-25 | J-107 | J-127 | 316.56 | 4.00 | 100.0000 | 0.00 |
| P-26 | J-127 | J-141 | 1829.62 | 3.00 | 100.0000 | 0.00 |
| P-27 | J-141 | | | | | |
| | | J-142 | 249.66 | 4.00 | 100.0000 | 0.00 |
| P-28 | J-142 | J-118 | 590.01 | 4.00 | 100.0000 | 0.00 |
| P-29 | J-142 | J-143 | 587.34 | 2.00 | 100.0000 | 0.00 |
| P-3 | J-20 | J-62 | 2923.19 | 12.00 | 100.0000 | 0.00 |
| P-30 | J-127 | J-144 | 705.59 | 4.00 | 100.0000 | |
| | | | | | | 0.00 |
| P-31 | J-144 | J-141 | 274.49 | 4.00 | 100.0000 | 0.00 |
| P-32 | J-144 | J-145 | 235.87 | 2.00 | 100.0000 | 0.00 |
| P-33 | J-83 | J-146 | 274.29 | 10.00 | 100.0000 | 0.00 |
| P-34 | J-147 | J-118 | 38.10 | 4.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-35 | J-19 | J-20 | 125.59 | 8.00 | 100.0000 | 0.00 |
| P-36 | J-147 | J-146 | 1234.99 | 4.00 | 100.0000 | 0.00 |
| P-37 | J-146 | J-151 | 271.81 | 10.00 | 100.0000 | 0.00 |
| P-38 | J-152 | J-147 | 272.23 | 4.00 | 100.0000 | 0.00 |
| P-39 | J-152 | J-151 | 1233.53 | 3.00 | 100.0000 | |
| | | | | | | 0.00 |
| P-4 | J-62 | J-69 | 1371.60 | 3.00 | 100.0000 | 0.00 |
| P-40 | J-151 | J-153 | 283.34 | 10.00 | 100.0000 | 0.00 |
| P-41 | J-153 | J-154 | 305.43 | 10.00 | 100.0000 | 0.00 |
| P-42 | J-154 | J-157 | 1540.36 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-43 | J-157 | J-152 | 274.94 | 3.00 | 100.0000 | 0.00 |
| P-44 | J-157 | J-153 | 1230.89 | 3.00 | 100.0000 | 0.00 |
| P-45 | J-159 | J-160 | 240.99 | 2.00 | 100.0000 | 0.00 |
| P-46 | J-161 | J-168 | 2758.71 | 10.00 | 100.0000 | 0.00 |
| P-47 | J-159 | J-169 | 151.29 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-48 | J-170 | J-171 | 352.24 | 2.00 | 100.0000 | 0.00 |
| P-49 | J-161 | J-182 | 2004.65 | 4.00 | 100.0000 | 0.00 |
| P-5 | J-69 | J-76 | 1171.78 | 3.00 | 100.0000 | 0.00 |
| P-50 | J-182 | J-170 | 839.08 | 3.00 | 100.0000 | 0.00 |
| P-51 | J-186 | J-191 | 263.74 | 4.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-52 | J-192 | J-186 | 1054.83 | 4.00 | 100.0000 | 0.00 |
| P-53 | J-17 | R-2 | 164.72 | 12.00 | 100.0000 | 0.00 |
| P-54 | J-192 | J-205 | 399.77 | 6.00 | 100.0000 | 0.00 |
| P-55 | J-205 | J-210 | 1224.25 | 2.00 | 100.0000 | 0.00 |
| P-56 | | | 1383.79 | | | |
| | J-205 | J-218 | | 3.00 | 100.0000 | 0.00 |
| P-57 | J-219 | J-218 | 271.60 | 3.00 | 100.0000 | 0.00 |
| P-58 | J-218 | J-220 | 411.12 | 3.00 | 100.0000 | 0.00 |
| P-59 | J-191 | J-222 | 274.42 | 3.00 | 100.0000 | 0.00 |
| P-6 | J-77 | J-76 | 333.23 | 3.00 | 100.0000 | 0.00 |
| | | J-223 | 520.88 | | 100.0000 | |
| P-60 | J-222 | | | 2.00 | | 0.00 |
| P-61 | J-222 | J-224 | 196.07 | 3.00 | 100.0000 | 0.00 |
| P-62 | J-224 | J-225 | 480.30 | 2.00 | 100.0000 | 0.00 |
| P-63 | J-224 | J-226 | 179.85 | 3.00 | 100.0000 | 0.00 |
| P-64 | J-227 | J-228 | 755.52 | 8.00 | 100.0000 | 0.00 |
| | | | 1389.38 | 3.00 | | |
| P-65 | J-226 | J-237 | | | 100.0000 | 0.00 |
| P-66 | J-226 | J-238 | 634.10 | 2.00 | 100.0000 | 0.00 |
| P-67 | J-186 | J-239 | 170.77 | 2.00 | 100.0000 | 0.00 |
| P-68 | J-239 | J-242 | 502.82 | 2.00 | 100.0000 | 0.00 |
| P-69 | J-239 | J-246 | 374.70 | 2.00 | 100.0000 | 0.00 |
| | | | 1235.93 | 4.00 | | |
| P-7 | J-80 | J-82 | | | 100.0000 | 0.00 |
| P-70 | J-246 | J-191 | 800.14 | 2.00 | 100.0000 | 0.00 |
| P-71 | J-246 | J-259 | 586.49 | 2.00 | 100.0000 | 0.00 |
| P-72 | J-260 | J-264 | 284.00 | 2.00 | 100.0000 | 0.00 |
| P-73 | J-265 | J-260 | 1288.46 | 4.00 | 100.0000 | 0.00 |
| | | | | | 100.0000 | |
| P-74 | J-17 | J-295 | 6356.67 | 14.00 | | 0.00 |
| P-75 | J-296 | J-265 | 127.42 | 6.00 | 100.0000 | 0.00 |
| P-76 | J-300 | J-307 | 275.17 | 2.00 | 100.0000 | 0.00 |
| P-77 | J-308 | J-300 | 327.58 | 2.00 | 100.0000 | 0.00 |
| P-78 | J-314 | J-300 | 266.92 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-79 | J-317 | J-314 | 258.85 | 2.00 | 100.0000 | 0.00 |
| P-8 | J-80 | J-83 | 282.30 | 10.00 | 100.0000 | 0.00 |
| P-80 | J-296 | J-327 | 1171.91 | 4.00 | 100.0000 | 0.00 |
| P-81 | J-328 | J-327 | 257.54 | 2.00 | 100.0000 | 0.00 |
| P-82 | J-327 | J-335 | 134.77 | 4.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-83 | J-335 | J-314 | 465.30 | 3.00 | 100.0000 | 0.00 |
| P-84 | J-337 | J-335 | 810.11 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |

| J-342 | J-295 | 69.97 | 3.00 | 100.0000 | 0.00 |
|-------|--|---|---|---|--|
| J-343 | J-356 | 2694.79 | 4.00 | 100.0000 | 0.00 |
| J-356 | J-361 | 423.26 | 2.00 | 100.0000 | 0.00 |
| J-168 | J-368 | 2910.61 | 8.00 | 100.0000 | 0.00 |
| J-369 | J-368 | 760.22 | 4.00 | 100.0000 | 0.00 |
| J-84 | J-82 | 281.66 | 6.00 | 100.0000 | 0.00 |
| J-373 | J-375 | 918.87 | 2.00 | 100.0000 | 0.00 |
| J-375 | J-369 | 43.16 | 2.00 | 100.0000 | 0.00 |
| J-375 | J-377 | 652.38 | 2.00 | 100.0000 | 0.00 |
| J-369 | J-382 | 888.92 | 3.00 | 100.0000 | 0.00 |
| J-383 | J-385 | 515.26 | 2.00 | 100.0000 | 0.00 |
| J-295 | T-1 | 87.56 | 14.00 | 100.0000 | 0.00 |
| J-373 | J-382 | 414.44 | 3.00 | 100.0000 | 0.00 |
| J-382 | J-385 | 42.39 | 3.00 | 100.0000 | 0.00 |
| J-368 | J-227 | 1138.24 | 8.00 | 100.0000 | 0.00 |
| J-228 | J-159 | 423.90 | 3.00 | 100.0000 | 0.00 |
| | J-343
J-356
J-168
J-369
J-84
J-373
J-375
J-375
J-383
J-295
J-373
J-382
J-368 | J-343 J-356 J-356 J-361 J-168 J-368 J-369 J-368 J-84 J-82 J-373 J-375 J-375 J-375 J-375 J-369 J-383 J-385 J-295 T-1 J-373 J-382 J-382 J-385 J-368 J-227 | J-343 J-356 2694.79 J-356 J-361 423.26 J-168 J-368 2910.61 J-369 J-368 760.22 J-84 J-82 281.66 J-373 J-375 918.87 J-375 J-369 43.16 J-375 J-377 652.38 J-369 J-382 888.92 J-383 J-385 515.26 J-295 T-1 87.56 J-373 J-382 414.44 J-382 J-385 42.39 J-368 J-227 1138.24 | J-343 J-356 2694.79 4.00 J-356 J-361 423.26 2.00 J-168 J-368 2910.61 8.00 J-369 J-368 760.22 4.00 J-84 J-82 281.66 6.00 J-373 J-375 918.87 2.00 J-375 J-369 43.16 2.00 J-375 J-377 652.38 2.00 J-369 J-382 888.92 3.00 J-383 J-385 515.26 2.00 J-295 T-1 87.56 14.00 J-373 J-382 414.44 3.00 J-382 J-385 42.39 3.00 J-382 J-385 42.39 3.00 J-368 J-227 1138.24 8.00 | J-343 J-356 2694.79 4.00 100.0000 J-356 J-361 423.26 2.00 100.0000 J-168 J-368 2910.61 8.00 100.0000 J-369 J-368 760.22 4.00 100.0000 J-84 J-82 281.66 6.00 100.0000 J-373 J-375 918.87 2.00 100.0000 J-375 J-369 43.16 2.00 100.0000 J-375 J-377 652.38 2.00 100.0000 J-389 J-382 888.92 3.00 100.0000 J-383 J-385 515.26 2.00 100.0000 J-295 T-1 87.56 14.00 100.0000 J-373 J-382 414.44 3.00 100.0000 J-382 J-385 42.39 3.00 100.0000 J-368 J-227 1138.24 8.00 100.0000 |

END NODE DATA

| NODE
NAME | NODE
TITLE | EXTERNAL
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|----------------|---------------|-------------------|-------------------------------|---------------------------|
| J-1 | | 9.00 | 217.85 | |
| J-10 | | 10.00 | 199.08 | |
| J-102 | | 2.00 | 190.00 | |
| J-107 | | 4.00 | 186.95 | |
| J-11 | | 10.00 | 211.96 | |
| J-118 | | 12.00 | 212.83 | |
| J-12 | | 10.00 | 218.95 | |
| J-123 | | 2.00 | 220.00 | |
| J-127 | | 20.00 | 190.00 | |
| J-13 | | 10.00 | 224.77 | |
| J-14 | | 10.00 | 240.91 | |
| J-141 | | 34.00 | 202.36 | |
| J-142 | | 14.00 | 205.87 | |
| J-143 | | 15.00 | 190.00 | |
| J-144 | | 13.00 | 195.83 | |
| J-145 | | 6.00 | 191.49 | |
| J-146 | | 44.00 | 210.00 | |
| J-147 | | 0.00 | 211.49 | |
| J-15 | | 10.00 | 228.55 | |
| J-151 | | 42.00 | 210.00 | |
| J-152 | | 6.00 | 193.45 | |
| J-153 | | 42.00 | 212.86 | |
| J-154 | | 43.00 | 217.50 | |
| J-157 | | 11.00 | 186.08 | |
| J-159 | | 0.00 | 197.29 | |
| J-16
J-160 | | 6.00
2.00 | 189.37
196.12 | |
| J-160
J-161 | | 26.00 | 200.00 | |
| J-168 | | 0.00 | 192.42 | |
| J-169 | | 11.00 | 192.49 | |
| J-17 | | 0.00 | 297.52 | |
| J-170 | | 1.00 | 185.89 | |
| J-171 | | 5.00 | 204.49 | |
| J-18 | | 0.00 | 211.06 | |
| J-182 | | 11.00 | 181.76 | |
| J-186 | | 10.00 | 210.00 | |
| J-19 | | 2.00 | 212.37 | |
| J-191 | | 18.00 | 204.06 | |
| J-192 | | 4.00 | 260.00 | |
| J-20 | | 0.00 | 220.00 | |
| J-205 | | 10.00 | 264.67 | |
| J-21 | | 6.00 | 220.98 | |
| J-210 | | 17.00 | 207.47 | |
| J-218 | | 4.00 | 217.91 | |
| J-219 | | 3.00 | 208.85 | |
| J-22 | | 6.00 | 203.68 | |
| J-220 | | 4.00 | 218.56 | |
| | | | | |

| J-222 | 10.00 | 197.12 |
|-------|-------|----------------|
| | | |
| J-223 | 6.00 | 182.33 |
| J-224 | 12.00 | 193.7 1 |
| J-225 | 4.00 | 182.60 |
| | 14.00 | 193.14 |
| J-226 | | |
| J-227 | 2.00 | 194.03 |
| J-228 | 2.00 | 208.55 |
| J-23 | 4.00 | 182.32 |
| | | |
| J-237 | 1.00 | 179.72 |
| J-238 | 1.00 | 178.80 |
| J-239 | 7.00 | 205.67 |
| | | |
| J-24 | 5.00 | 211.78 |
| J-242 | 4.00 | 189.61 |
| J-246 | 8.00 | 189.64 |
| J-25 | 5.00 | 206.38 |
| | | |
| J-259 | 13.00 | 183.37 |
| J-26 | 5.00 | 198.54 |
| J-260 | 3.00 | 190.00 |
| | | |
| J-264 | 2.00 | 181.79 |
| J-265 | 11.00 | 180.00 |
| J-27 | 5.00 | 180.00 |
| | | |
| J-295 | 0.00 | 356.45 |
| J-296 | 13.00 | 180.00 |
| J-3 | 9.00 | 208.17 |
| J-300 | 11.00 | 180.00 |
| | | |
| J-307 | 2.00 | 180.00 |
| J-308 | 2.00 | 180.00 |
| J-314 | 8.00 | 180.00 |
| | | |
| J-317 | 2.00 | 180.00 |
| J-327 | 4.00 | 184.68 |
| J-328 | 1.00 | 180.00 |
| J-335 | 16.00 | 183.16 |
| | | |
| J-337 | 1.00 | 191.93 |
| J-342 | 0.00 | 354.29 |
| J-343 | 32.00 | 194.91 |
| J-356 | 7.00 | 180.00 |
| | | |
| J-361 | 3.00 | 180.00 |
| J-368 | 1.00 | 194.87 |
| J-369 | 7.00 | 190.00 |
| J-373 | 4.00 | 182.43 |
| | | |
| J-375 | 0.00 | 190.00 |
| J-377 | 1.00 | 180.00 |
| J-382 | 9.00 | 188.90 |
| | 0.00 | 180.00 |
| J-383 | | |
| J-385 | 0.00 | 189.34 |
| J-391 | 0.00 | 176.55 |
| J-392 | 3.00 | 189.91 |
| | | |
| J-4 | 8.00 | 224.83 |
| J-432 | 0.00 | 207.58 |
| J-440 | 4.00 | 196.32 |
| J-449 | 1.00 | 190.00 |
| | | |
| J-450 | 9.00 | 223.98 |
| J-472 | 3.00 | 180.00 |
| J-473 | 0.00 | 239.54 |
| | | |
| J-481 | 12.00 | 196.46 |
| J-499 | 3.00 | 174.14 |
| J-5 | 9.00 | 218.94 |
| J-506 | 14.00 | 184.61 |
| | | |
| J-512 | 2.00 | 180.00 |
| J-513 | 2.00 | 216.01 |
| J-515 | 9.00 | 239.14 |
| J-516 | 9.00 | 209.20 |
| | | |
| J-518 | 2.00 | 186.61 |
| J-519 | 2.00 | 203.91 |
| J-522 | 6.00 | 180.66 |
| J-523 | 1.00 | 176.34 |
| | | |
| J-526 | 5.00 | 185.23 |
| J-527 | 2.00 | 180.00 |
| J-529 | 0.00 | 220.00 |
| J-530 | 2.00 | 180.00 |
| | | |
| J-532 | 2.00 | 175.95 |

| J-533 | 2.00 | 179.56 | |
|----------------|---------------|------------------|------------------|
| J-534 | 3.00 | 190.00 | |
| J-539 | 4.00 | 190.00 | |
| J-542 | 0.00 | 208.96 | |
| J-550 | 0.00 | 189.62 | |
| J-580 | 0.00 | 208.84 | |
| J-591 | 0.00 | 232.03 | |
| J-592 | 0.00 | 227.95 | |
| J-6 | 8.00 | 220.33 | |
| J-601 | 14.00 | 200.00 | |
| J~607 | 14.00 | 193.46 | |
| J-608 | 0.00 | 200.86 | |
| J-616 | 14.00 | 172.66 | |
| J-62 | 53.00 | 195.66 | |
| J-620 | 14.00 | 200.00 | |
| J-626 | 14.00 | 180.00 | |
| J-639 | 14.00 | 181.25 | |
| J-648 | 14.00 | 186.13 | |
| J-667 | 0.00 | 180.00 | |
| J-686 | 19.00 | 190.00 | |
| J-69 | 38.00
0.00 | 195.43
200.00 | |
| J-698
J-699 | 0.00 | 200.00 | |
| J-7 | 5.00 | 199.95 | |
| J-706 | 0.00 | 203.52 | |
| J-710 | 0.00 | 217.47 | |
| J-743 | 5.00 | 180.00 | |
| J-747 | 0.00 | 210.67 | |
| J-756 | 2.00 | 176.92 | |
| J-76 | 3.00 | 183.45 | |
| J-760 | 0.00 | 230.18 | |
| J-77 | 7.00 | 180.00 | |
| J-770 | 0.00 | 220.53 | |
| J-775 | 5.00 | 175.77 | |
| J-781 | 5.00 | 178.50 | |
| J-787 | 0.00 | 230.00 | |
| J-8 | 4.00 | 205.49 | |
| J-80 | 40.00 | 210.00 | |
| J-811 | 10.00 | 240.00 | |
| J-815
J-816 | 9.00
0.00 | 182.04
200.00 | |
| J-82 | 49.00 | 220.00 | |
| J-820 | 5.00 | 192.47 | |
| J-821 | 0.00 | 205.88 | |
| J-822 | 0.00 | 205.78 | |
| J-83 | 45.00 | 210.00 | |
| J-837 | 8.00 | 218.45 | |
| J-84 | 52.00 | 220.00 | |
| J-849 | 8.00 | 190.68 | |
| J-850 | 0.00 | 206.32 | |
| J-851 | 0.00 | 206.78 | |
| J-866 | 0.00 | 222.62 | |
| J-89 | 15.00 | 190.00 | |
| J-9 | 5.00 | 201.84 | |
| J-93 | 43.00 | 210.00 | |
| J-96 | 0.00 | 220.00 | |
| J-98 | 35.00 | 214.41 | 420.00 |
| R-1
R-2 | | 335.39
291.44 | 420.00
420.00 |
| T-1 | | 360.00 | 380.00 |
| * * | | 500.00 | 500.00 |
| | | | |

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

MAXIMUM AND MINIMUM PRESSURES = 20
MAXIMUM AND MINIMUM VELOCITIES = 20
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 20

SYSTEM CONFIGURATION

```
      NUMBER OF PIPES
      (p) = 195

      NUMBER OF END NODES
      (j) = 175

      NUMBER OF PRIMARY LOOPS
      (1) = 18

      NUMBER OF SUPPLY NODES
      (f) = 3

      NUMBER OF SUPPLY ZONES
      (z) = 1
```

CHANGES FOR NEXT SIMULATION (Change Number = 3)

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00003

PIPELINE RESULTS

| PIPE | NODE N#1 | UMBERS
#2 | FLOWRATE | HEAD
LOSS | MINOR
LOSS | LINE
VELO. | HL/
1000 |
|-------|----------------|----------------|----------------|--------------|---------------|---------------|--------------|
| NAME | ₩- | π-2 | (gpm) | (ft) | (ft) | | (ft/ft) |
| P-1 | R-1 | J-17 | 486.30 | 1.19 | 0.00 | 1.38 | 1.08 |
| P-10 | J-83 | J-84 | 61.80 | 0.86 | 0.00 | 0.70 | 0.70 |
| P-100 | J-169 | J-391 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-101 | J-392 | J-169 | -1.41 | 0.06 | 0.00 | 0.14 | 0.13 |
| P-102 | J-123 | T-1 | -694.19 | 4.50 | 0.00 | 1.45 | 0.99 |
| P-103 | J-343 | J-432 | 172.02 | 1.54 | 0.00 | 1.10 | 1.14 |
| P-104 | J-432 | J-296 | 35.72 | 0.34 | 0.00 | 0.41 | 0.25 |
| P-105 | J-440 | J-449 | 0.47 | 0.01 | 0.00 | 0.05 | 0.02 |
| P-106 | J-450 | J-472 | 1.41 | 0.21 | 0.00 | 0.14 | 0.13 |
| P-107 | J-473 | J-481 | 14.57 | 1.37 | 0.00 | 0.66 | 1.40 |
| P-108 | J-481 | J-499 | 1.41 | 0.14 | 0.00 | 0.14 | 0.13 |
| P-109 | J-481 | J-506 | 7.52 | 0.22 | 0.00 | 0.34 | 0.41 |
| P-11 | J-76 | J-89 | -0.53 | 0.00 | 0.00 | 0.01 | 0.00 |
| P-110 | J-506 | J-512 | 0.94 | 0.03 | 0.00 | 0.10 | 0.06 |
| P-111 | J-513 | J-515 | 9.40 | 0.02 | 0.00 | 0.11 | 0.02 |
| P-112 | J-516 | J-518 | 0.94 | 0.03 | 0.00 | 0.10 | 0.06 |
| P-113 | J-513 | J-516 | 9.42 | 0.14 | 0.00 | 0.43 | 0.62 |
| P-114 | J-519 | J-513 | 19.76 | 0.03 | 0.00 | 0.22 | 0.08 |
| P-115 | J-519 | J-522 | 8.44 | 0.16 | 0.00 | 0.38 | 0.51 |
| P-116 | J-522 | J-523 | 0.47 | 0.03 | 0.00 | 0.11 | 0.14 |
| P-117 | J-522 | J-526 | 5.15 | 0.70 | 0.00 | 0.53 | 1.47 |
| P-118 | J-527 | J-526 | -0.94 | 0.01 | 0.00 | 0.10 | 0.06 |
| P-119 | J-123 | J-529 | 8.93 | 0.01 | 0.00 | 0.41 | 0.57 |
| P-12 | J-62 | J-93 | 633.57 | 2.43 | 0.00 | 2.59 | 4.30 |
| P-120 | J-530 | J-532 | 0.94 | 0.26 | 0.00 | 0.38 | 1.84 |
| P-121 | J-533 | J-534 | -0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-122 | J-534 | J-516 | -4.25 | 0.77 | 0.00 | 0.43 | 1.03 |
| P-123 | J-526 | J-539 | 1.86 | 0.11 | 0.00 | 0.19 | 0.22 |
| P-124 | J-539 | J-530 | 1.88 | 0.11 | 0.00 | 0.19 | 0.23 |
| P-125 | J-539 | J-534 | -1.90 | 0.03 | 0.00 | 0.19 | 0.23 |
| P-126 | J-542 | J-519 | 29.14 | 0.05 | 0.00 | 0.33 | 0.17 |
| P-127 | J-542 | J-550 | 0.00 | 0.00
7.94 | 0.00 | 0.00 | 0.00 |
| P-128 | J-154 | J-161 | 360.02 | | 0.00 | 1.47 | 1.51 |
| P-129 | J-168 | J-580 | 237.82 | 4.45 | 0.00 | 1.52 | 2.08 |
| P-13 | J-19 | J-96 | 0.00
191.76 | 0.00 | 0.00 | 0.00
1.22 | 0.00 |
| P-130 | J-580 | J-343 | | 3.95 | 0.00 | | 1.39 |
| P-131 | J-580 | J-591 | 46.06 | 5.51 | 0.00 | 1.18 | 2.91 |
| P-132 | J-591 | J-592 | 46.06 | 0.39 | 0.00 | 1.18 | 2.91 |
| P-133 | J-592 | J-608 | 32.90 | 1.62 | 0.00 | 0.84 | 1.56 |
| P-134 | J-592 | J-601 | 13.16
6.58 | 1.32 | 0.00 | 0.60 | 1.16 |
| P-135 | J-601 | J-607 | 6.58 | 0.26
1.24 | 0.00 | 0.30
0.67 | 0.32
2.31 |
| P-137 | J-608 | J-616
J-620 | 26.32 | 0.67 | 0.00 | 0.67 | 2.31
1.03 |
| P-138 | J-608
J-620 | J-626 | 6.58 | 1.63 | 0.00 | 0.67 | 2.31 |
| P-139 | J-620
J-93 | J-626
J-80 | 573.48 | 1.03 | 0.00 | 2.34 | 3.58 |
| P-14 | J-93
J-620 | J-639 | 13.16 | 2.88 | 0.00 | 0.60 | 1.16 |
| P-140 | U~62U | 0-037 | 13.10 | ∠.00 | 0.00 | 0.60 | T.10 |

| P-141 | J-639 | J-648 | 6.58 | 0.43 | 0.00 | 0.30 | 0.32 |
|-------|---------------|-------|---------|------|------|------|------|
| P-142 | J-529 | J-667 | 8.93 | 3.23 | 0.00 | 0.58 | 1.37 |
| | | | | | | | |
| P-143 | J-667 | J-686 | 8.93 | 2.31 | 0.00 | 0.58 | 1.37 |
| P-144 | J-667 | J-698 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-145 | J-699 | J-706 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-146 | J-228 | J-710 | 82.25 | 0.70 | 0.00 | 0.52 | 0.29 |
| P-147 | J-710 | J-192 | 70.50 | 0.86 | 0.00 | 0.45 | 0.22 |
| P-148 | | J-24 | | | | | |
| | J-710 | | 11.75 | 0.47 | 0.00 | 0.53 | 0.94 |
| P-149 | J-515 | J-747 | 5.17 | 0.13 | 0.00 | 0.23 | 0.21 |
| P-15 | J-82 | J-98 | -17.38 | 0.02 | 0.00 | 0.20 | 0.07 |
| P-150 | J-747 | J-440 | 2.35 | 0.01 | 0.00 | 0.11 | 0.05 |
| P-151 | J -747 | J-23 | 2.82 | 0.30 | 0.00 | 0.29 | 0.48 |
| P-152 | J-450 | J-760 | 42.30 | 0.09 | 0.00 | 0.48 | 0.34 |
| | | | | | | | |
| P-153 | J-760 | J-542 | 29.14 | 0.14 | 0.00 | 0.33 | 0.17 |
| P-154 | J-760 | J-770 | 13.16 | 0.08 | 0.00 | 0.34 | 0.29 |
| P-155 | J-770 | J-16 | 5.17 | 0.61 | 0.00 | 0.53 | 1.48 |
| P-156 | J-770 | J-21 | 7.99 | 0.27 | 0.00 | 0.36 | 0.46 |
| P-157 | J-473 | J-787 | 50.78 | 0.23 | 0.00 | 0.58 | 0.48 |
| P-158 | J-787 | J-450 | 47.94 | 0.52 | 0.00 | 0.54 | 0.43 |
| | | | | 0.05 | 0.00 | 0.13 | 0.07 |
| P-159 | J-787 | J-11 | 2.84 | | | | |
| P-16 | J-98 | J-69 | -2.87 | 0.00 | 0.00 | 0.03 | 0.00 |
| P-160 | J-811 | J-10 | 8.93 | 2.44 | 0.00 | 0.91 | 4.07 |
| P-161 | J-816 | J-9 | 8.93 | 0.56 | 0.00 | 0.91 | 4.07 |
| P-162 | J-432 | J-821 | 136.30 | 0.72 | 0.00 | 1.55 | 3.01 |
| P-163 | J-822 | J-816 | 108.57 | 1.13 | 0.00 | 1.23 | 1.97 |
| | | | | | | | 0.10 |
| P-164 | J-822 | J-1 | 3.41 | 0.09 | 0.00 | 0.15 | |
| P-165 | J-837 | J-3 | -8.34 | 0.31 | 0.00 | 0.38 | 0.50 |
| P-166 | J-837 | J-849 | 3.76 | 0.06 | 0.00 | 0.17 | 0.11 |
| P-167 | J-821 | J-850 | 123.73 | 0.50 | 0.00 | 1.40 | 2.51 |
| P-168 | J-850 | J-851 | 114.35 | 0.47 | 0.00 | 1.30 | 2.17 |
| P-169 | J-851 | J-822 | 111.98 | 0.33 | 0.00 | 1.27 | 2.09 |
| | | J-102 | 7.03 | | | 0.18 | 0.09 |
| P-17 | J-82 | | | 0.14 | 0.00 | | |
| P-170 | J-851 | J-4 | 2.37 | 0.03 | 0.00 | 0.11 | 0.05 |
| P-171 | J-816 | J-866 | 99.64 | 1.55 | 0.00 | 1.13 | 1.68 |
| P-172 | J~866 | J-473 | 65.35 | 1.62 | 0.00 | 0.74 | 0.77 |
| P-173 | J-866 | J-15 | 34.29 | 0.41 | 0.00 | 0.88 | 1.68 |
| P-174 | J-1 | J-837 | -0.82 | 0.01 | 0.00 | 0.04 | 0.01 |
| | J-3 | J-821 | -12.57 | 1.08 | 0.00 | 0.57 | 1.06 |
| P-175 | | | | | | | |
| P-176 | J-4 | J-6 | -1.39 | 0.01 | 0.00 | 0.06 | 0.02 |
| P-177 | J-5 | J-850 | -9.38 | 0.37 | 0.00 | 0.43 | 0.62 |
| P-178 | J-6 | J-5 | -5.15 | 0.13 | 0.00 | 0.23 | 0.20 |
| P-179 | J-7 | J-820 | 2.35 | 0.06 | 0.00 | 0.24 | 0.34 |
| P-18 | J-84 | J-107 | 19.10 | 0.13 | 0.00 | 0.22 | 0.08 |
| P-180 | J-8 | J-7 | 4.70 | 0.37 | 0.00 | 0.48 | 1.24 |
| | | | | | 0.00 | | |
| P-181 | J-9 | J-8 | 6.58 | 0.55 | | 0.67 | 2.31 |
| P-182 | J-10 | J-815 | 4.23 | 0.43 | 0.00 | 0.43 | 1.02 |
| P-183 | J-11 | J-12 | -1.86 | 0.03 | 0.00 | 0.08 | 0.03 |
| P-184 | J-12 | J-13 | -6.56 | 0.21 | 0.00 | 0.30 | 0.32 |
| P-185 | J-13 | J-811 | -11.26 | 0.36 | 0.00 | 0.51 | 0.87 |
| P-186 | J-14 | J-811 | 24.89 | 0.35 | 0.00 | 0.64 | 0.93 |
| P-187 | J-15 | J-14 | 29.59 | 0.55 | 0.00 | 0.76 | 1.28 |
| | | | | | | | |
| P-188 | J-16 | J-775 | 2.35 | 0.10 | 0.00 | 0.24 | 0.34 |
| P-189 | J-21 | J-22 | 5.17 | 0.45 | 0.00 | 0.53 | 1.48 |
| P-19 | J-93 | J-98 | 39.88 | 2.75 | 0.00 | 1.02 | 2.22 |
| P-190 | J-22 | J-781 | 2.35 | 0.07 | 0.00 | 0.24 | 0.34 |
| P-191 | J-23 | J-756 | 0.94 | 0.03 | 0.00 | 0.10 | 0.06 |
| P-192 | J-24 | J-25 | 9.40 | 0.49 | 0.00 | 0.43 | 0.62 |
| | | | | | | | |
| P-193 | J-25 | J-26 | 7.05 | 0.26 | 0.00 | 0.32 | 0.36 |
| P-194 | J-26 | J-27 | 4.70 | 0.18 | 0.00 | 0.21 | 0.17 |
| P-195 | J-27 | J-743 | 2.35 | 0.03 | 0.00 | 0.11 | 0.05 |
| P-196 | J-698 | J-699 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-2 | J-18 | J-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-20 | J-98 | J-89 | 8.92 | 0.16 | 0.00 | 0.23 | 0.14 |
| | | | | | | | |
| P-21 | J-89 | J-102 | 1.34 | 0.00 | 0.00 | 0.03 | 0.00 |
| P-22 | J-102 | J-107 | 7.43 | 0.00 | 0.00 | 0.08 | 0.01 |
| P-23 | J-118 | J-84 | -36.27 | 0.06 | 0.00 | 0.41 | 0.26 |
| P-24 | J-20 | J-123 | -684.32 | 0.76 | 0.00 | 1.94 | 2.04 |
| P-25 | J-107 | J-127 | 24.65 | 0.29 | 0.00 | 0.63 | 0.91 |
| P-26 | J-127 | J-141 | 3.38 | 0.17 | 0.00 | 0.15 | 0.09 |
| | | | | | | | 0.16 |
| P-27 | J-141 | J-142 | -9.66 | 0.04 | 0.00 | 0.25 | |
| P-28 | J-142 | J-118 | -23.29 | 0.48 | 0.00 | 0.59 | 0.82 |

| P-29 | J-142 | J-143 | 7.05 | 1.54 | 0.00 | 0.72 | 2.63 |
|------|-------|---------------|----------|-------|------|------|------|
| P-3 | J-20 | J-62 | 683.38 | 5.95 | 0.00 | 1.94 | 2.04 |
| P-30 | J-127 | J-144 | 11.87 | 0.17 | 0.00 | 0.30 | 0.24 |
| P-31 | J-144 | J-141 | 2.94 | 0.00 | 0.00 | 0.07 | |
| P-32 | J-144 | J-145 | 2.82 | | | | 0.02 |
| | | | | 0.11 | 0.00 | 0.29 | 0.48 |
| P-33 | J-83 | J-146 | 441.04 | 0.60 | 0.00 | 1.80 | 2.20 |
| P-34 | J-147 | J-118 | -7.34 | 0.00 | 0.00 | 0.19 | 0.10 |
| P-35 | J-19 | J-20 | -0.94 | 0.00 | 0.00 | 0.01 | 0.00 |
| P-36 | J-147 | J-146 | -12.53 | 0.32 | 0.00 | 0.32 | 0.26 |
| P-37 | J-146 | J-151 | 407.83 | 0.52 | 0.00 | 1.67 | 1.90 |
| P-38 | J-152 | J-147 | -19.87 | 0.17 | 0.00 | 0.51 | 0.61 |
| P-39 | J-152 | J-151 | 1.60 | 0.03 | 0.00 | 0.07 | 0.02 |
| P-4 | J-62 | J-69 | 24.90 | 5.18 | 0.00 | 1.13 | 3.78 |
| P-40 | J-151 | J-153 | | | | | |
| | | | 389.69 | 0.50 | 0.00 | 1.59 | 1.75 |
| P-41 | J-153 | J-154 | 373.00 | 0.49 | 0.00 | 1.52 | 1.61 |
| P-42 | J-154 | J-157 | -7.23 | 0.59 | 0.00 | 0.33 | 0.38 |
| P-43 | J-157 | J-152 | -15.45 | 0.43 | 0.00 | 0.70 | 1.56 |
| P-44 | J-157 | J ~153 | 3.06 | 0.10 | 0.00 | 0.14 | 0.08 |
| P-45 | J-159 | J-160 | 0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-46 | J-161 | J-168 | 339.81 | 3.74 | 0.00 | 1.39 | 1.36 |
| P-47 | J-159 | J-169 | 6.58 | 0.05 | 0.00 | 0.30 | 0.32 |
| P-48 | J-170 | J-171 | 2.35 | 0.12 | 0.00 | 0.24 | 0.34 |
| | | | | | | | |
| P-49 | J-161 | J-182 | 7.99 | 0.23 | 0.00 | 0.20 | 0.11 |
| P-5 | J-69 | J-76 | 4.17 | 0.16 | 0.00 | 0.19 | 0.14 |
| P-50 | J-182 | J-170 | 2.82 | 0.06 | 0.00 | 0.13 | 0.07 |
| P-51 | J-186 | J-191 | 35.71 | 0.48 | 0.00 | 0.91 | 1.81 |
| ₽-52 | J-192 | J-186 | 50.76 | 3.67 | 0.00 | 1.30 | 3.48 |
| P-53 | J-17 | R-2 | -1354.16 | 1.19 | 0.00 | 3.84 | 7.23 |
| P-54 | J-192 | J-205 | 17.86 | 0.03 | 0.00 | 0.20 | 0.07 |
| P-55 | J-205 | J-210 | 7.99 | 4.06 | 0.00 | 0.82 | 3.31 |
| P-56 | J-205 | J-218 | 5.17 | 0.28 | 0.00 | 0.23 | 0.21 |
| P-57 | J-219 | J-218 | -1.41 | | | | |
| | | | | 0.01 | 0.00 | 0.06 | 0.02 |
| P-58 | J-218 | J-220 | 1.88 | 0.01 | 0.00 | 0.09 | 0.03 |
| P-59 | J-191 | J-222 | 22.56 | 0.86 | 0.00 | 1.02 | 3.14 |
| P-6 | J-77 | J-76 | -3.29 | 0.03 | 0.00 | 0.15 | 0.09 |
| P-60 | J-222 | J-223 | 2.82 | 0.25 | 0.00 | 0.29 | 0.48 |
| P-61 | J-222 | J-224 | 15.04 | 0.29 | 0.00 | 0.68 | 1.48 |
| P-62 | J-224 | J-225 | 1.88 | 0.11 | 0.00 | 0.19 | 0.23 |
| P-63 | J-224 | J-226 | 7.52 | 0.07 | 0.00 | 0.34 | 0.41 |
| P-64 | J-227 | J-228 | 90.71 | 0.26 | 0.00 | 0.58 | 0.35 |
| ₽-65 | J-226 | J-237 | 0.47 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-66 | J-226 | J-238 | 0.47 | 0.01 | 0.00 | 0.05 | 0.02 |
| P-67 | J-186 | J-239 | 10.35 | 0.91 | 0.00 | 1.06 | 5.35 |
| P-68 | | | | | | | |
| | J-239 | J-242 | 1.88 | 0.11 | 0.00 | 0.19 | 0.23 |
| P-69 | J-239 | J-246 | 5.18 | 0.56 | 0.00 | 0.53 | 1.48 |
| P-7 | J-80 | J-82 | 30.69 | 1.69 | 0.00 | 0.78 | 1.37 |
| P-70 | J-246 | J-191 | -4.69 | 0.99 | 0.00 | 0.48 | 1.24 |
| P-71 | J-246 | J-259 | 6.11 | 1.18 | 0.00 | 0.62 | 2.02 |
| P-72 | J-260 | J-264 | 0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-73 | J-265 | J-260 | 2.35 | 0.02 | 0.00 | 0.06 | 0.01 |
| P-74 | J-17 | J-295 | 1840.46 | 38.28 | 0.00 | 3.84 | 6.02 |
| P-75 | J-296 | J-265 | 7.52 | 0.00 | 0.00 | 0.09 | 0.01 |
| P-76 | J-300 | J-307 | 0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-77 | J-308 | J-300 | -0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| | J-314 | | 7.05 | | | | |
| P-78 | | J-300 | -0.94 | 0.10 | 0.00 | 0.32 | 0.36 |
| P-79 | J-317 | J-314 | | 0.02 | 0.00 | 0.10 | 0.06 |
| P-8 | J-80 | J-83 | 523.99 | 0.85 | 0.00 | 2.14 | 3.03 |
| P-80 | J-296 | J-327 | 22.09 | 0.87 | 0.00 | 0.56 | 0.75 |
| P-81 | J-328 | J-327 | -0.47 | 0.00 | 0.00 | 0.05 | 0.02 |
| P-82 | J-327 | J-335 | 19.74 | 0.08 | 0.00 | 0.50 | 0.60 |
| P-83 | J-335 | J-314 | 11.75 | 0.44 | 0.00 | 0.53 | 0.94 |
| P-84 | J-337 | J-335 | -0.47 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-85 | J-342 | J-295 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-86 | J-343 | J-356 | 4.70 | 0.11 | 0.00 | 0.12 | 0.04 |
| | | | | | | | |
| P-87 | J-356 | J-361 | 1.41 | 0.06 | 0.00 | 0.14 | 0.13 |
| P-88 | J-168 | J-368 | 101.99 | 1.26 | 0.00 | 0.65 | 0.43 |
| P-89 | J-369 | J-368 | -9.87 | 0.13 | 0.00 | 0.25 | 0.17 |
| P-9 | J-84 | J-82 | -18.02 | 0.02 | 0.00 | 0.20 | 0.07 |
| P-90 | J-373 | J-375 | -1.50 | 0.14 | 0.00 | 0.15 | 0.15 |
| P-91 | J-375 | J-369 | -1.97 | 0.01 | 0.00 | 0.20 | 0.25 |
| P-92 | J-375 | J-377 | 0.47 | 0.01 | 0.00 | 0.05 | 0.02 |
| | | | | | | | |

| P-93 | J-369 | J-382 | 4.61 | 0.15 | 0.00 | 0.21 | 0.17 |
|------|-------|-------|---------|------|------|------|------|
| P-94 | J-383 | J-385 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-95 | J-295 | T-1 | 1840.46 | 0.53 | 0.00 | 3.84 | 6.02 |
| P-96 | J-373 | J-382 | -0.38 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-97 | J-382 | J-385 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-98 | J-368 | J-227 | 91.65 | 0.40 | 0.00 | 0.58 | 0.36 |
| P-99 | J-228 | J-159 | 7.52 | 0.17 | 0.00 | 0.34 | 0.41 |

END NODE RESULTS

| NAME TITLE DEMAND (gpm) J-1 | 47) 332 47) 363 47) 363 47) 363 47) 363 47) 363 47) 363 47) 363 47) 363 47) 362 47) 363 | (ft)
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| J-147 0.00 J-15 4.70 (0.4 J-151 19.74 (0.4 J-152 2.82 (0.4 J-153 19.74 (0.4 J-154 20.21 (0.4 J-157 5.17 (0.4 J-159 0.00 J-160 0.94 (0.4 J-161 12.22 (0.4 J-168 0.00 J-169 5.17 (0.4 J-17 0.00 J-171 2.35 (0.4 J-18 0.00 J-19 0.94 (0.4 J-21 1.88 (0.4 J-20 0.00 J-21 2.82 (0.4 J-21 2.82 (0.4 J-218 1.88 (0.4 < | 363.1
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| J-151 19.74 (0.4 J-152 2.82 (0.4 J-153 19.74 (0.4 J-154 20.21 (0.4 J-157 5.17 (0.4 J-159 0.00 J-160 0.94 (0.4 J-161 12.22 (0.4 J-168 0.00 J-169 5.17 (0.4 J-17 0.00 J-170 0.47 (0.4 J-18 0.00 J-182 5.17 (0.4 J-183 0.00 J-184 4.70 (0.4 J-19 0.94 (0.4 J-191 8.46 (0.4 J-192 1.88 (0.4 J-20 0.00 J-21 2.82 (0.4 J-21 2.82 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-22 2.82 (0.4 | 47) 363.
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348 | 34 193.4
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| J-153 19.74 (0.4 J-154 20.21 (0.4 J-157 5.17 (0.4 J-159 0.00 J-16 2.82 (0.4 J-160 0.94 (0.4 J-161 12.22 (0.4 J-168 0.00 J-169 5.17 (0.4 J-17 0.00 J-170 0.47 (0.4 J-18 0.00 J-182 5.17 (0.4 J-186 4.70 (0.4 J-191 8.46 (0.4 J-192 1.88 (0.4 J-20 0.00 J-205 4.70 (0.4 J-21 2.82 (0.4 J-210 7.99 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-22 2.82 (0.4 | 47) 362.
47) 362.
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348. | 82 212.8 | 36 149.96 | 64.98 |
| J-154 20.21(0.4 J-157 5.17(0.4 J-159 0.00 J-16 2.82(0.4 J-160 0.94(0.4 J-161 12.22(0.4 J-168 0.00 J-169 5.17(0.4 J-17 0.00 J-170 0.47(0.4 J-18 0.00 J-182 5.17(0.4 J-186 4.70(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 47) 362.:
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| J-157 5.17(0.4 J-159 0.00 J-16 2.82(0.4 J-160 0.94(0.4 J-161 12.22(0.4 J-168 0.00 J-169 5.17(0.4 J-17 0.00 J-170 0.47(0.4 J-18 0.00 J-182 5.17(0.4 J-186 4.70(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-219 2.82(0.4 | 47) 362.:
348.: | 32 217 4 | ነለ 144 የጉ | |
| J-159 0.00 J-16 2.82 (0.4 J-160 0.94 (0.4 J-161 12.22 (0.4 J-168 0.00 J-169 5.17 (0.4 J-17 0.00 J-170 0.47 (0.4 J-18 0.00 J-182 5.17 (0.4 J-186 4.70 (0.4 J-191 8.46 (0.4 J-192 1.88 (0.4 J-20 0.00 J-205 4.70 (0.4 J-21 2.82 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-219 1.41 (0.4 J-222 2.82 (0.4 | 348. | 211 | 144.04 | 62.76 |
| J-16 2.82 (0.4 J-160 0.94 (0.4 J-161 12.22 (0.4 J-168 0.00 J-169 5.17 (0.4 J-17 0.00 J-170 0.47 (0.4 J-18 0.00 J-182 5.17 (0.4 J-186 4.70 (0.4 J-191 8.46 (0.4 J-192 1.88 (0.4 J-20 0.00 J-205 4.70 (0.4 J-21 2.82 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-219 2.82 (0.4 | | 91 186.0 | 176.83 | 76.63 |
| J-160 0.94 (0.4 J-161 12.22 (0.4 J-168 0.00 J-169 5.17 (0.4 J-17 0.00 J-170 0.47 (0.4 J-181 0.00 J-182 5.17 (0.4 J-186 4.70 (0.4 J-191 8.46 (0.4 J-192 1.88 (0.4 J-20 0.00 J-215 2.82 (0.4 J-210 7.99 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-222 2.82 (0.4 | 171 227 | 54 197.2 | 29 151.25 | 65.54 |
| J-161 12.22(0.4 J-168 0.00 J-169 5.17(0.4 J-17 0.00 J-170 0.47(0.4 J-181 0.00 J-182 5.17(0.4 J-186 4.70(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-215 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-222 2.82(0.4 | 1// 332. | 85 189.3 | 37 143.48 | 62.17 |
| J-168 0.00 J-169 5.17(0.4 J-17 0.00 J-170 0.47(0.4 J-171 2.35(0.4 J-18 0.00 J-182 5.17(0.4 J-186 4.70(0.4 J-19 0.94(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 17) 348. | 52 196.1 | .2 152.40 | 66.04 |
| J-169 5.17(0.4 J-17 0.00 J-170 0.47(0.4 J-171 2.35(0.4 J-18 0.00 J-186 4.70(0.4 J-19 0.94(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 17) 354. | 38 200.0 | 0 154.38 | 66.90 |
| J-17 0.00 J-170 0.47(0.4 J-171 2.35(0.4 J-18 0.00 J-182 5.17(0.4 J-186 4.70(0.4 J-19 0.94(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 350. | 64 192.4 | 12 158.22 | 68.56 |
| J-170 0.47(0.4 J-171 2.35(0.4 J-18 0.00 J-182 5.17(0.4 J-186 4.70(0.4 J-19 0.94(0.4 J-191 8.46(0.4 J-20 0.00 J-20 0.00 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 17) 348. | 49 192.4 | 19 156.00 | 67.60 |
| J-171 2.35(0.4 J-18 0.00 J-182 5.17(0.4 J-186 4.70(0.4 J-19 0.94(0.4 J-191 8.46(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 418. | 81 297.5 | 52 12 1 .29 | 52.56 |
| J-18 0.00 J-182 5.17 (0.4 J-186 4.70 (0.4 J-191 0.94 (0.4 J-192 1.88 (0.4 J-20 0.00 J-205 4.70 (0.4 J-21 2.82 (0.4 J-210 7.99 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-22 2.82 (0.4 | 17) 354. : | 10 185.8 | 168.21 | 72.89 |
| J-182 5.17 (0.4 J-186 4.70 (0.4 J-19 0.94 (0.4 J-191 8.46 (0.4 J-20 0.00 J-205 4.70 (0.4 J-21 2.82 (0.4 J-210 7.99 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-22 2.82 (0.4 | 17) 353. | 98 204.4 | 149.49 | 64.78 |
| J-186 4.70(0.4 J-19 0.94(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-215 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 374. | 75 211.0 | 6 163.69 | 70.93 |
| J-19 0.94(0.4 J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 17) 354. : | 16 181.7 | 76 172.40 | 74.71 |
| J-191 8.46(0.4 J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 17) 343. | 48 210.0 | 00 133.48 | 57.84 |
| J-192 1.88(0.4 J-20 0.00 J-205 4.70(0.4 J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 17) 374. | 75 212.3 | 162.38 | 70.36 |
| J-20 0.00 J-205 4.70 (0.4 J-21 2.82 (0.4 J-210 7.99 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-22 2.82 (0.4 | 17) 343. | 01 204.0 | 138.95 | 60.21 |
| J-205 4.70 (0.4 J-21 2.82 (0.4 J-210 7.99 (0.4 J-218 1.88 (0.4 J-219 1.41 (0.4 J-22 2.82 (0.4 | 1 7) 34 7. | 15 260.0 | 00 87.15 | 37.77 |
| J-21 2.82(0.4 J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 374. | 75 220.0 | 00 154.75 | 67.06 |
| J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 17) 347. | 12 264.6 | 7 82.45 | 35.73 |
| J-210 7.99(0.4 J-218 1.88(0.4 J-219 1.41(0.4 J-22 2.82(0.4 | 47) 333.° | 19 220.9 | 8 112.21 | 48.62 |
| J-219 1.41(0.4
J-22 2.82(0.4 | 17) 343. | 07 207.4 | 7 135.60 | 58.76 |
| J-219 1.41(0.4
J-22 2.82(0.4 | , - | 84 217.9 | 128.93 | 55.87 |
| | | 84 208.8 | 35 137.99 | 59.79 |
| | 47) 346. | 74 203.6 | 8 129.06 | 55.93 |
| 0 220 | 47) 346.:
47) 346.: | | | |
| J-222 4.70(0.4 | 47) 346.:
47) 346.: | | | |
| J-223 2.82(0.4 | 47) 346.3
47) 346.3
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47) 346.3
47) 342.3
47) 341.3 | .89 182.3
.85 193.7 | | |
| | 47) 346.3
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47) 332.4
47) 346.3
47) 342.3
47) 341.4
47) 341.4 | .89 182.3
.85 193.7
.74 182.6 | | |
| | 47) 346.:
47) 346.:
47) 332.:
47) 346.:
47) 342.:
47) 341.:
47) 341.:
47) 341.: | 182.3
185 193.7
174 182.6
178 193.1 | 148.64 | |
| J-23 1.88(0.4 | 47) 346.3
47) 346.3
47) 332.4
47) 346.3
47) 342.3
47) 341.4
47) 341.4 | 89 182.3
85 193.7
74 182.6
78 193.1
98 194.0 | 148.64
154.95 | 60.74 |

| J-237 | 0.47(0.47) | 341.77 | 179.72 | 162.05 | 70.22 |
|-------|-------------|--------|--------|--------|---------------|
| | 0.47(0.47) | 341.77 | | | |
| J-238 | | | 178.80 | 162.97 | 70.62 |
| J-239 | 3.29(0.47) | 342.57 | 205.67 | 136.90 | 59.32 |
| J-24 | 2.35(0.47) | 347.55 | 211.78 | 135.77 | 58.83 |
| | | | | | |
| J-242 | 1.88(0.47) | | 189.61 | 152.85 | 66.23 |
| J-246 | 3.76(0.47) | 342.02 | 189.64 | 152.38 | 66.03 |
| J-25 | 2.35(0.47) | | 206.38 | 140.68 | 60.96 |
| | | | | | |
| J-259 | 6.11(0.47) | 340.83 | 183.37 | 157.46 | 68.23 |
| J-26 | 2.35(0.47) | 346.80 | 198.54 | 148.26 | 64.25 |
| | | | | | |
| J-260 | | 340.34 | 190.00 | 150.34 | 65.15 |
| J-264 | 0.94(0.47) | 340.32 | 181.79 | 158.53 | 68.70 |
| J-265 | 5.17(0.47) | 340 35 | 180.00 | 160.35 | 69.49 |
| | | | | | |
| J-27 | 2.35(0.47) | 346.62 | 180.00 | 166.62 | 72.20 |
| J-295 | 0.00 | 380.53 | 356.45 | 24.08 | 10.43 |
| J-296 | 6.11(0.47) | | 180.00 | 160.35 | 69.49 |
| | | | | | |
| J-3 | 4.23(0.47) | | 208.17 | 130.73 | 56.65 |
| J-300 | 5.17(0.47) | 338.87 | 180.00 | 158.87 | 68.84 |
| J-307 | 0.94(0.47) | | 180.00 | 158.85 | 68.83 |
| | | | | | |
| J-308 | 0.94(0.47) | 338.84 | 180.00 | 158.84 | 68.83 |
| J-314 | 3.76(0.47) | 338.96 | 180.00 | 158.96 | 68.88 |
| | | | | | |
| J-317 | 0.94(0.47) | | 180.00 | 158.95 | 68.88 |
| J-327 | 1.88(0.47) | 339.48 | 184.68 | 154.80 | 67.08 |
| J-328 | 0.47(0.47) | 339.48 | 180.00 | 159.48 | 69.11 |
| | | | | | |
| J-335 | 7.52(0.47) | | 183.16 | 156.24 | 67.70 |
| J-337 | 0.47(0.47) | 339.40 | 191.93 | 147.47 | 63.90 |
| J-342 | 0.00 | 380.53 | 354.29 | 26.24 | 11.37 |
| | | | | | |
| J-343 | 15.04(0.47) | 342.24 | 194.91 | 147.33 | 63.84 |
| J-356 | 3.29(0.47) | 342.12 | 180.00 | 162.12 | 70.25 |
| J-361 | 1.41(0.47) | 342.07 | 180.00 | 162.07 | 70.23 |
| | | | | | |
| J-368 | 0.47(0.47) | 349.38 | 194.87 | 154.51 | 66.95 |
| J-369 | 3.29(0.47) | 349.25 | 190.00 | 159.25 | 69.01 |
| J-373 | 1.88(0.47) | | 182.43 | 166.67 | 72.23 |
| | | | | | |
| J-375 | 0.00 | 349.24 | 190.00 | 159.24 | 69.00 |
| J-377 | 0.47(0.47) | 349.23 | 180.00 | 169.23 | 73.33 |
| | | | | | |
| J-382 | 4.23(0.47) | 349.10 | 188.90 | 160.20 | 69.42 |
| J-383 | 0.00 | 349.10 | 180.00 | 169.10 | 73.28 |
| J-385 | 0.00 | 349.10 | 189.34 | 159.76 | 69.23 |
| | | | | | |
| J-391 | 0.00 | 348.49 | 176.55 | 171.94 | 74.51 |
| J-392 | 1.41(0.47) | 348.43 | 189.91 | 158.52 | 68.69 |
| J-4 | 3.76(0.47) | 338.97 | 224.83 | 114.14 | 49.46 |
| | | | | | |
| J-432 | 0.00 | 340.70 | 207.58 | 133.12 | 57.68 |
| J-440 | 1.88(0.47) | 333.16 | 196.32 | 136.84 | 59.30 |
| J-449 | 0.47(0.47) | 333.15 | 190.00 | 143.15 | 62.03 |
| | | | | | |
| J-450 | 4.23(0.47) | 333.62 | 223.98 | 109.64 | 47.51 |
| J-472 | 1.41(0.47) | 333.41 | 180.00 | 153.41 | 66.48 |
| J-473 | 0.00 | 334.38 | 239.54 | 94.84 | 41.10 |
| | | | | | |
| J-481 | 5.64(0.47) | 333.01 | 196.46 | 136.55 | 59. 17 |
| J~499 | 1.41(0.47) | 332.87 | 174.14 | 158.73 | 68.78 |
| J-5 | 4.23(0.47) | 339.11 | 218.94 | 120.17 | 52.07 |
| - · | · | | | | |
| J-506 | 6.58(0.47) | 332.80 | 184.61 | 148.19 | 64.21 |
| J-512 | 0.94(0.47) | 332.77 | 180.00 | 152.77 | 66.20 |
| J-513 | 0.94(0.47) | | 216.01 | 117.31 | 50.83 |
| | | | | | |
| J-515 | 4.23(0.47) | 333.30 | 239.14 | 94.16 | 40.80 |
| J-516 | 4.23(0.47) | 333.18 | 209.20 | 123.98 | 53.72 |
| | 0.94(0.47) | 333.15 | 186.61 | 146.54 | 63.50 |
| J-518 | | | | | |
| J-519 | 0.94(0.47) | 333.34 | 203.91 | 129.43 | 56.09 |
| J-522 | 2.82(0.47) | 333.19 | 180.66 | 152.53 | 66.10 |
| | 0.47(0.47) | | | | |
| J-523 | | 333.15 | 176.34 | 156.81 | 67.95 |
| J-526 | 2.35(0.47) | 332.49 | 185.23 | 147.26 | 63.81 |
| J-527 | 0.94(0.47) | 332.47 | 180.00 | 152.47 | 66.07 |
| | 0.00 | | 220.00 | | |
| J-529 | | 375.49 | | 155.49 | 67.38 |
| J-530 | 0.94(0.47) | 332.27 | 180.00 | 152.27 | 65.99 |
| J-532 | 0.94(0.47) | 332.02 | 175.95 | 156.07 | 67.63 |
| | | | | | |
| J-533 | 0.94(0.47) | 332.39 | 179.56 | 152.83 | 66.23 |
| J-534 | 1.41(0.47) | 332.41 | 190.00 | 142.41 | 61.71 |
| J-539 | 1.88(0.47) | 332.38 | 190.00 | 142.38 | 61.70 |
| | | | | | |
| J-542 | 0.00 | 333.40 | 208.96 | 124.44 | 53.92 |
| J-550 | 0.00 | 333.40 | 189.62 | 143.78 | 62.30 |
| J-580 | 0.00 | 346.19 | 208.84 | 137.35 | 59.52 |
| | | | | | |
| J-591 | 0.00 | 340.69 | 232.03 | 108.66 | 47.08 |
| J-592 | 0.00 | 340.29 | 227.95 | 112.34 | 48.68 |
| | | - | | | |

| J-6 | 3.76(0.47) | 338.98 | 220.33 | 118.65 | 51.42 |
|----------------|-------------|--------|--------|--------|-------|
| J-601 | 6.58(0.47) | 338.98 | 200.00 | 138.98 | 60.22 |
| J-607 | 6.58(0.47) | 338.71 | 193.46 | 145.25 | 62.94 |
| J-608 | 0.00 | 338.68 | 200.86 | 137.82 | 59.72 |
| J-616 | 6.58(0.47) | 337.44 | 172.66 | 164.78 | 71.40 |
| J-62 | 24.91(0.47) | 368.79 | 195.66 | 173.13 | 75.02 |
| J-620 | 6.58(0.47) | 338.01 | 200.00 | 138.01 | 59.81 |
| J-626 | 6.58(0.47) | | 180.00 | 156.38 | 67.77 |
| J-639 | 6.58(0.47) | 335.13 | 181.25 | 153.88 | 66.68 |
| J-648 | 6.58(0.47) | 334.70 | 186.13 | 148.57 | 64.38 |
| J-667 | 0.00 | 372.26 | 180.00 | 192.26 | 83.31 |
| J-686 | 8.93(0.47) | 369.95 | 190.00 | 179.95 | 77.98 |
| J-69 | 17.86(0.47) | | 195.43 | 168.18 | 72.88 |
| J-698 | 0.00 | 372.26 | 200.00 | 172.26 | 74.65 |
| J-699 | 0.00 | 372.26 | 200.00 | 172.26 | 74.65 |
| J-7 | 2.35(0.47) | | 199.95 | 136.11 | 58.98 |
| J-706 | 0.00 | 372.26 | 203.52 | 168.74 | 73.12 |
| J-708
J-710 | 0.00 | 348.01 | 217.47 | 130.54 | 56.57 |
| | | | | | |
| J-743 | 2.35(0.47) | | 180.00 | 166.59 | 72.19 |
| J-747 | 0.00 | 333.17 | 210.67 | 122.50 | 53.08 |
| J-756 | 0.94(0.47) | | 176.92 | 155.93 | 67.57 |
| J-76 | 1.41(0.47) | | 183.45 | 180.00 | 78.00 |
| J-760 | 0.00 | 333.53 | 230.18 | 103.35 | 44.79 |
| J-77 | 3.29(0.47) | | 180.00 | 183.42 | 79.48 |
| J-770 | 0.00 | 333.46 | 220.53 | 112.93 | 48.94 |
| J-775 | 2.35(0.47) | | 175.77 | 156.97 | 68.02 |
| J-781 | 2.35(0.47) | | 178.50 | 154.17 | 66.81 |
| J-787 | 0.00 | 334.14 | 230.00 | 104.14 | 45.13 |
| J-8 | 1.88(0.47) | 336.43 | 205.49 | 130.94 | 56.74 |
| J-80 | 18.80(0.47) | | 210.00 | 155.29 | 67.29 |
| J-811 | 4.70(0.47) | 334.69 | 240.00 | 94.69 | 41.03 |
| J-815 | 4.23(0.47) | | 182.04 | 149.78 | 64.90 |
| J-816 | 0.00 | 337.54 | 200.00 | 137.54 | 59.60 |
| J-82 | 23.03(0.47) | 363.59 | 220.00 | 143.59 | 62.22 |
| J-820 | 2.35(0.47) | 336.00 | 192.47 | 143.53 | 62.20 |
| J-821 | 0.00 | 339.97 | 205.88 | 134.09 | 58.11 |
| J-822 | 0.00 | 338.68 | 205.78 | 132.90 | 57.59 |
| J-83 | 21.15(0.47) | 364.43 | 210.00 | 154.43 | 66.92 |
| J-837 | 3.76(0.47) | 338.59 | 218.45 | 120.14 | 52.06 |
| J-84 | 24.44(0.47) | 363.57 | 220.00 | 143.57 | 62.22 |
| J-849 | 3.76(0.47) | 338.53 | 190.68 | 147.85 | 64.07 |
| J-850 | 0.00 | 339.47 | 206.32 | 133.15 | 57.70 |
| J-851 | 0.00 | 339.00 | 206.78 | 132.22 | 57.30 |
| J-866 | 0.00 | 336.00 | 222.62 | 113.38 | 49.13 |
| J-89 | 7.05(0.47) | 363.45 | 190.00 | 173.45 | 75.16 |
| J-9 | 2.35(0.47) | 336.98 | 201.84 | 135.14 | 58.56 |
| J-93 | 20.21(0.47) | 366.36 | 210.00 | 156.36 | 67.76 |
| J-96 | 0.00 | 374.75 | 220.00 | 154.75 | 67.06 |
| J-98 | 16.45(0.47) | 363.61 | 214.41 | 149.20 | 64.65 |
| R-1 | | 420.00 | 335.39 | 84.61 | 36.66 |
| R-2 | | 420.00 | 291.44 | 128.56 | 55.71 |
| T-1 | | 380.00 | 360.00 | 20.00 | 8.67 |
| - | | | | - | |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| | | | |
| J-667 | 83.31 | T-1 | 8.67 |
| J-77 | 79.48 | J-295 | 10.43 |
| J -76 | 78.00 | J-342 | 11.37 |
| J-686 | 77.98 | J-205 | 35.73 |
| J-157 | 76.63 | Ř-1 | 36.66 |
| J-107 | 76.48 | J-192 | 37.77 |
| J-89 | 75.16 | J-14 | 40.79 |

| J-102 | 75.16 | J-515 | 40.80 |
|-------|-------|-------|-------|
| J-127 | 75.03 | J-811 | 41.03 |
| J-62 | 75.02 | J-473 | 41.10 |
| J-182 | 74.71 | J-760 | 44.79 |
| J-698 | 74.65 | J-787 | 45.13 |
| J-699 | 74.65 | J-15 | 46.38 |
| J-391 | 74.51 | J-591 | 47.08 |
| J-143 | 74.31 | J-13 | 47.48 |
| J-145 | 74.27 | J-450 | 47.51 |
| J-152 | 73.62 | J-21 | 48.62 |
| J-377 | 73.33 | J-592 | 48.68 |
| J-383 | 73.28 | J-770 | 48.94 |
| J-706 | 73.12 | J-866 | 49.13 |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-53 | 3.84 | P-35 | 0.01 |
| P-95 | 3.84 | P-11 | 0.01 |
| | | | |
| P-74 | 3.84 | P-96 | 0.02 |
| P-12 | 2.59 | P-65 | 0.02 |
| P-14 | 2.34 | P-84 | 0.02 |
| P-8 | 2.14 | P-16 | 0.03 |
| P-24 | 1.94 | P-21 | 0.03 |
| P-3 | 1.94 | P-174 | 0.04 |
| P-33 | 1.80 | P-105 | 0.05 |
| P-37 | 1.67 | P-66 | 0.05 |
| P-40 | 1.59 | P-81 | 0.05 |
| P-162 | 1.55 | P-92 | 0.05 |
| P-41 | 1.52 | P-73 | 0.06 |
| P-129 | 1.52 | P-176 | 0.06 |
| P-128 | 1.47 | P-57 | 0.06 |
| P-102 | 1.45 | P-39 | 0.07 |
| P-167 | 1.40 | P-31 | 0.07 |
| P-46 | 1.39 | P-183 | 0.08 |
| P-1 | 1.38 | P-22 | 0.08 |
| P-168 | 1.30 | P-58 | 0.09 |

H L / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-53 | 7.23 | P-35 | 0.00 |
| P-95 | 6.02 | P-11 | 0.00 |
| P-74 | 6.02 | P-96 | 0.00 |
| P-67 | 5.35 | P-16 | 0.00 |
| P-12 | 4.30 | P-65 | 0.00 |
| P-160 | 4.07 | P-84 | 0.00 |
| P-161 | 4.07 | P-21 | 0.00 |
| P-4 | 3.78 | P-174 | 0.01 |
| P-14 | 3.58 | P-73 | 0.01 |
| P-52 | 3.48 | P-22 | 0.01 |
| P-55 | 3.31 | P-75 | 0.01 |
| P-59 | 3.14 | P-105 | 0.02 |
| P-8 | 3.03 | P-66 | 0.02 |
| P-162 | 3.01 | P-81 | 0.02 |
| P-131 | 2.91 | P-92 | 0.02 |
| P-132 | 2.91 | P-31 | 0.02 |
| P-29 | 2.63 | P-176 | 0.02 |
| P-167 | 2.51 | P-57 | 0.02 |
| P-137 | 2.31 | P-111 | 0.02 |
| P-139 | 2.31 | P-39 | 0.02 |
| | | | |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| | NODE | | GT: | VRATE
om) | NODE
TITLE | |
|-----|-------------------|-----------------------------|-----|-------------------------|---------------|--|
| | R-1
R-2
T-1 | - | 135 | 36.30
54.16
16.27 | | |
| NET | SYSTEM | INFLOW
OUTFLOW
DEMAND | = | -1146.27 | | |

INPUT DATA FILENAME ------ C:\JENNIF~1\JULYMO~1\SOUTHS~2.DT2
TABULATED OUTPUT FILENAME ------ C:\JENNIF~1\JULYMO~1\SOUTHS~2.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF~1\JULYMO~1\SOUTHS~2.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet PRESSURE = psig

PIPELINE DATA

| I | PIPE | N | ODE NAMES | LENGTH | DIAMETER | ROUGHNESS | MINOR |
|---|-------|-------|-----------|---------|----------|-----------|-------------|
| 1 | AME | #1 | #2 | (ft) | (in) | COEFF. | LOSS COEFF. |
| | P-1 | R-1 | J-17 | 1097.63 | 12.00 | 100.0000 | 0.00 |
| | P-10 | J-83 | J-84 | 1235.43 | 6.00 | 100.0000 | 0.00 |
| | P-100 | J-169 | J-391 | 1304.99 | 3.00 | 100.0000 | 0.00 |
| | P-101 | J-392 | J-169 | 450.76 | 2.00 | 100.0000 | 0.00 |
| | P-102 | J-123 | T-1 | 4541.81 | 14.00 | 100.0000 | 0.00 |
| | P-103 | J-343 | J-432 | 1350.37 | 8.00 | 100.0000 | 0.00 |
| | P-104 | J-432 | J-296 | 1367.34 | 6.00 | 100.0000 | 0.00 |
| | P-105 | J-440 | J-449 | 652.39 | 2.00 | 100.0000 | 0.00 |
| | P-106 | J-450 | J-472 | 1559.64 | 2.00 | 100.0000 | 0.00 |
| | P-107 | J-473 | J-481 | 975.76 | 3.00 | 100.0000 | 0.00 |
| | P-108 | J-481 | J-499 | 1087.08 | 2.00 | 100.0000 | 0.00 |
| | P-109 | J-481 | J-506 | 528.26 | 3.00 | 100.0000 | 0.00 |
| | P-11 | J-76 | J-89 | 279.53 | 4.00 | 100.0000 | 0.00 |
| | P-110 | J-506 | J-512 | 425.70 | 2.00 | 100.0000 | 0.00 |
| | P-111 | J-513 | J-515 | 811.19 | 6.00 | 100.0000 | 0.00 |
| | P-112 | J-516 | J-518 | 525.66 | 2.00 | 100.0000 | 0.00 |
| | P-113 | J-513 | J-516 | 221.20 | 3.00 | 100.0000 | 0.00 |
| | P-114 | J-519 | J-513 | 309.94 | 6.00 | 100.0000 | 0.00 |
| | P-115 | J-519 | J-522 | 307.47 | 3.00 | 100.0000 | 0.00 |
| | P-116 | J-522 | J-523 | 230.65 | 1.30 | 100.0000 | 0.00 |
| | P-117 | J-522 | J-526 | 476.49 | 2.00 | 100.0000 | 0.00 |
| | P-118 | J-527 | J-526 | 232.74 | 2.00 | 100.0000 | 0.00 |
| | P-119 | J-123 | J-529 | 22.60 | 3.00 | 100.0000 | 0.00 |
| | P-12 | J-62 | J-93 | 564.76 | 12.00 | 100.0000 | 0.00 |
| | P-120 | J-530 | J-532 | 140.27 | 1.00 | 100.0000 | 0.00 |
| | P-121 | J-533 | J-534 | 278.03 | 2.00 | 100.0000 | 0.00 |
| | P-122 | J-534 | J-516 | 749.89 | 2.00 | 100.0000 | 0.00 |
| | P-123 | J-526 | J-539 | 476.86 | 2.00 | 100.0000 | 0.00 |
| | P-124 | J-539 | J-530 | 466.18 | 2.00 | 100.0000 | 0.00 |
| | P-125 | J-539 | J-534 | 122.02 | 2.00 | 100.0000 | 0.00 |
| | P-126 | J-542 | J-519 | 296.17 | 6.00 | 100.0000 | 0.00 |
| | P-127 | J-542 | J-550 | 223.95 | 1.00 | 100.0000 | 0.00 |
| | P-128 | J-154 | J-28 | 3707.08 | 12.00 | 100.0000 | 0.00 |
| | P-129 | J-168 | J-580 | 2141.63 | 8.00 | 100.0000 | 0.00 |
| | | | | | | | |

| P-13 | J-19 | J-96 | 264.80 | 2.00 | 100.0000 | 0.00 |
|-------|-------|---------------|---------|-------|----------|------|
| P-130 | J-580 | J-343 | 2834.74 | 8.00 | 100.0000 | 0.00 |
| P-131 | J-580 | J-591 | 1894.87 | 4.00 | 100.0000 | 0.00 |
| P-132 | J-591 | J-592 | 134.71 | 4.00 | 100.0000 | 0.00 |
| P-133 | J-592 | J-608 | 1037.55 | 4.00 | 100.0000 | 0.00 |
| P-134 | J-592 | J-601 | 1137.64 | 3.00 | | |
| | | | | | 100.0000 | 0.00 |
| P-135 | J-601 | J-607 | 815.62 | 3.00 | 100.0000 | 0.00 |
| P-136 | J-2 | J-295 | 4742.46 | 14.00 | 100.0000 | 0.00 |
| P-137 | J-608 | J-616 | 536.85 | 2.00 | 100.0000 | 0.00 |
| P-138 | J-608 | J-620 | 645.96 | 4.00 | 100.0000 | 0.00 |
| P-139 | J-620 | J-626 | 705.40 | 2.00 | 100.0000 | 0.00 |
| P-14 | J-93 | J-80 | 301.18 | 12.00 | 100.0000 | 0.00 |
| P-140 | J-620 | J-639 | 2485.66 | 3.00 | 100.0000 | 0.00 |
| P-141 | J-639 | J-648 | 1349.12 | 3.00 | 100.0000 | 0.00 |
| P-142 | J-529 | J-667 | 2353.16 | 2.50 | 100.0000 | 0.00 |
| P-143 | J-667 | J-686 | 1682.67 | 2.50 | 100.0000 | 0.00 |
| P-144 | J~667 | J-698 | 3561.96 | 2.50 | 100.0000 | |
| | | | | | | 0.00 |
| P-145 | J-699 | J-706 | 1673.48 | 2.00 | 100.0000 | 0.00 |
| P-146 | J-228 | J-710 | 2400.15 | 10.00 | 100.0000 | 0.00 |
| P-147 | J-710 | J-29 | 1510.84 | 10.00 | 100.0000 | 0.00 |
| P-148 | J-710 | J-24 | 499.04 | 3.00 | 100.0000 | 0.00 |
| P-149 | J-515 | J-747 | 622.46 | 3.00 | 100.0000 | 0.00 |
| P-15 | J-82 | J-98 | 304.34 | 6.00 | 100.0000 | 0.00 |
| P-150 | J-747 | J-440 | 284.33 | 3.00 | 100.0000 | 0.00 |
| P-151 | J-747 | J-23 | 616.67 | 2.00 | 100.0000 | 0.00 |
| P-152 | J-450 | J-760 | 252.33 | 6.00 | 100.0000 | 0.00 |
| P-153 | J-760 | J-542 | 799.00 | 6.00 | 100.0000 | 0.00 |
| P-154 | J-760 | J-770 | 266.75 | 4.00 | 100.0000 | 0.00 |
| | | | 412.15 | | | |
| P-155 | J-770 | J-16 | | 2.00 | 100.0000 | 0.00 |
| P-156 | J-770 | J-21 | 577.34 | 3.00 | 100.0000 | 0.00 |
| P-157 | J-473 | J-787 | 482.34 | 6.00 | 100.0000 | 0.00 |
| P-158 | J-787 | J-450 | 1207.96 | 6.00 | 100.0000 | 0.00 |
| P-159 | J-787 | J-11 | 717.31 | 3.00 | 100.0000 | 0.00 |
| P-16 | J-98 | J-69 | 263.71 | 6.00 | 100.0000 | 0.00 |
| P-160 | J-811 | J-10 | 598.67 | 2.00 | 100.0000 | 0.00 |
| P-161 | J-816 | J-9 | 138.02 | 2.00 | 100.0000 | 0.00 |
| P-162 | J-432 | J-821 | 240.75 | 8.00 | 100.0000 | 0.00 |
| P-163 | J-822 | J-816 | 573.01 | 6.00 | 100.0000 | 0.00 |
| P-164 | J-822 | J-1 | 969.37 | 3.00 | 100.0000 | 0.00 |
| P-165 | J-837 | J-3 | 618,21 | 3.00 | 100.0000 | 0.00 |
| P-166 | J-837 | J-849 | 512.87 | 3.00 | 100.0000 | 0.00 |
| | | | 198.74 | | | |
| P-167 | J-821 | J-850 | | 8.00 | 100.0000 | 0.00 |
| P-168 | J-850 | J-851 | 216.85 | 6.00 | 100.0000 | 0.00 |
| P-169 | J-851 | J-822 | 156.93 | 6.00 | 100.0000 | 0.00 |
| P-17 | J-82 | J-102 | 1608.55 | 4.00 | 100.0000 | 0.00 |
| P-170 | J-851 | J-4 | 679.04 | 3.00 | 100.0000 | 0.00 |
| P-171 | J-816 | J-866 | 918.56 | 6.00 | 100.0000 | 0.00 |
| P-172 | J-866 | J-30 | 1201.85 | 6.00 | 100.0000 | 0.00 |
| P-173 | J-866 | J-15 | 242.14 | 4.00 | 100.0000 | 0.00 |
| P-174 | J-1 | J-837 | 744.24 | 3.00 | 100.0000 | 0.00 |
| P-175 | J-3 | J-821 | 1013.29 | 3.00 | 100.0000 | 0.00 |
| P-176 | J-4 | J-6 | 648,41 | 3.00 | 100.0000 | 0.00 |
| P-177 | J-5 | J-850 | 591.59 | 3.00 | 100.0000 | 0.00 |
| P-178 | J-6 | J-5 | 621.47 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-179 | J-7 | J-820 | 165.70 | 2.00 | 100.0000 | 0.00 |
| P-18 | J-84 | J-107 | 1616.93 | 6.00 | 100.0000 | 0.00 |
| P-180 | J-8 | J-7 | 301.37 | 2.00 | 100.0000 | 0.00 |
| P-181 | J-9 | J-8 | 237.74 | 2.00 | 100.0000 | 0.00 |
| P-182 | J-10 | J-81 5 | 424.90 | 2.00 | 100.0000 | 0.00 |
| P-183 | J-11 | J-12 | 919.31 | 3.00 | 100.0000 | 0.00 |
| P-184 | J-12 | J-13 | 648.71 | 3.00 | 100.0000 | 0.00 |
| P-185 | J-13 | J-811 | 410.86 | 3.00 | 100.0000 | 0.00 |
| P-186 | J-14 | J-811 | 377.50 | 4.00 | 100.0000 | 0.00 |
| P-187 | J-15 | J-14 | 431.73 | 4.00 | 100.0000 | 0.00 |
| | J-16 | J-775 | 300.59 | 2.00 | 100.0000 | |
| P-188 | | | | | | 0.00 |
| P-189 | J-21 | J-22 | 304.95 | 2.00 | 100.0000 | 0.00 |
| P-19 | J-93 | J-98 | 1236.32 | 4.00 | 100.0000 | 0.00 |
| P-190 | J-22 | J-781 | 196.08 | 2.00 | 100.0000 | 0.00 |
| P-191 | J-23 | J-756 | 487.45 | 2.00 | 100.0000 | 0.00 |
| P-192 | J-24 | J-25 | 781.45 | 3.00 | 100.0000 | 0.00 |
| P-193 | J-25 | J-26 | 705.32 | 3.00 | 100.0000 | 0.00 |
| | | | | | | |

| P-194 | J-26 | J-27 | 1070.72 | 3.00 | 100.0000 | 0.00 |
|-------|---------------|-------|---------|-------|----------|------|
| P-195 | J-27 | J-743 | 684.89 | 3.00 | 100.0000 | 0.00 |
| P-196 | J-698 | J-699 | 25.54 | 2.00 | 100.0000 | 0.00 |
| P-197 | J-28 | J-161 | 1549.55 | 12.00 | 100.0000 | 0.00 |
| P-198 | J-29 | J-192 | 2429.83 | 10.00 | 100.0000 | |
| | | | | | | 0.00 |
| P-199 | J-30 | J-473 | 899.72 | 6.00 | 100.0000 | 0.00 |
| P-2 | J-18 | J-19 | 23.17 | 2.00 | 100.0000 | 0.00 |
| P-20 | J-98 | J-89 | 1156.93 | 4.00 | 100.0000 | 0.00 |
| P-21 | J-89 | J-102 | 740.82 | 4.00 | 100.0000 | 0.00 |
| P-22 | J-102 | J-107 | 294.84 | 6.00 | 100.0000 | 0.00 |
| P-23 | J-118 | J-84 | 241.77 | 6.00 | 100.0000 | 0.00 |
| P-24 | J-20 | J-123 | 370.72 | 14.00 | 100.0000 | 0.00 |
| P-25 | J -107 | J-127 | 316.56 | 4.00 | 100.0000 | 0.00 |
| P-26 | J-127 | J-141 | 1829.62 | 3.00 | 100.0000 | 0.00 |
| P-27 | J-141 | J-142 | 249.66 | 4.00 | 100.0000 | 0.00 |
| P-28 | J-142 | J-118 | 590.01 | 4.00 | 100.0000 | 0.00 |
| P-29 | J-142 | J-143 | 587.34 | 2.00 | 100.0000 | 0.00 |
| | | | | | | |
| P-3 | J-20 | J-62 | 2923.19 | 12.00 | 100.0000 | 0.00 |
| P-30 | J-127 | J-144 | 705.59 | 4.00 | 100.0000 | 0.00 |
| P-31 | J-144 | J-141 | 274.49 | 4.00 | 100.0000 | 0.00 |
| P-32 | J-144 | J-145 | 235.87 | 2.00 | 100.0000 | 0.00 |
| P-33 | J-83 | J-146 | 274.29 | 12.00 | 100.0000 | 0.00 |
| P-34 | J-147 | J-118 | 38.10 | 4.00 | 100.0000 | 0.00 |
| P-35 | J-19 | J-20 | 125.59 | 8.00 | 100.0000 | 0.00 |
| P-36 | J-147 | J-146 | 1234.99 | 4.00 | 100.0000 | 0.00 |
| P-37 | J-146 | J-151 | 271.81 | 12.00 | 100.0000 | 0.00 |
| P-38 | J-152 | J-147 | 272.23 | 4.00 | 100.0000 | 0.00 |
| P-39 | J-152 | J-151 | 1233.53 | 3.00 | 100.0000 | 0.00 |
| P-4 | J-62 | J-69 | 1371.60 | 3.00 | 100.0000 | 0.00 |
| P-40 | J-151 | J-153 | 283.34 | 12.00 | | 0.00 |
| | | | 305.43 | | 100.0000 | |
| P-41 | J-153 | J-154 | | 12.00 | 100.0000 | 0.00 |
| P-42 | J-154 | J-157 | 1540.36 | 3.00 | 100.0000 | 0.00 |
| P-43 | J-157 | J-152 | 274.94 | 3.00 | 100.0000 | 0.00 |
| P-44 | J-157 | J-153 | 1230.89 | 3.00 | 100.0000 | 0.00 |
| P-45 | J-159 | J-160 | 240.99 | 2.00 | 100.0000 | 0.00 |
| P-46 | J-161 | J-168 | 2758.71 | 12.00 | 100.0000 | 0.00 |
| P-47 | J-159 | J-169 | 151.29 | 3.00 | 100.0000 | 0.00 |
| P-48 | J-170 | J-171 | 352.24 | 2.00 | 100.0000 | 0.00 |
| P-49 | J-161 | J-182 | 2004.65 | 4.00 | 100.0000 | 0.00 |
| P-5 | J-69 | J-76 | 1171.78 | 3.00 | 100.0000 | 0.00 |
| P-50 | J-182 | J-170 | 839.08 | 3.00 | 100.0000 | 0.00 |
| P-51 | J-186 | J-191 | 263.74 | 4.00 | 100.0000 | 0.00 |
| P-52 | J-192 | J-186 | 1054.83 | 4.00 | 100.0000 | 0.00 |
| | | | | 14.00 | | 0.00 |
| P-53 | J-17 | R-2 | 164.72 | | 100.0000 | |
| P-54 | J-192 | J-205 | 399.77 | 6.00 | 100.0000 | 0.00 |
| P-55 | J-205 | J-210 | 1224.25 | 2.00 | 100.0000 | 0.00 |
| P-56 | J-205 | J-218 | 1383.79 | 3.00 | 100.0000 | 0.00 |
| P-57 | J-219 | J-218 | 271.60 | 3.00 | 100.0000 | 0.00 |
| P-58 | J-218 | J-220 | 411.12 | 3.00 | 100.0000 | 0.00 |
| P-59 | J-191 | J-222 | 274.42 | 3.00 | 100.0000 | 0.00 |
| P-6 | J-77 | J-76 | 333.23 | 3.00 | 100.0000 | 0.00 |
| P-60 | J-222 | J-223 | 520.88 | 2.00 | 100.0000 | 0.00 |
| P-61 | J-222 | J-224 | 196.07 | 3.00 | 100.0000 | 0.00 |
| P-62 | J-224 | J-225 | 480.30 | 2.00 | 100.0000 | 0.00 |
| P-63 | J-224 | J-226 | 179.85 | 3.00 | 100.0000 | 0.00 |
| P-64 | J-227 | J-228 | 755.52 | 10.00 | 100.0000 | 0.00 |
| | | | 1389.38 | | | |
| P-65 | J-226 | J-237 | | 3.00 | 100.0000 | 0.00 |
| P-66 | J-226 | J-238 | 634.10 | 2.00 | 100.0000 | 0.00 |
| P-67 | J-186 | J-239 | 170.77 | 3.00 | 100.0000 | 0.00 |
| P-68 | J-239 | J-242 | 502.82 | 2.00 | 100.0000 | 0.00 |
| P-69 | J-239 | J-246 | 374.70 | 2.00 | 100.0000 | 0.00 |
| P-7 | J-80 | J-82 | 1235.93 | 4.00 | 100.0000 | 0.00 |
| P-70 | J-246 | J-191 | 800.14 | 2.00 | 100.0000 | 0.00 |
| P-71 | J-246 | J-259 | 586.49 | 2.00 | 100.0000 | 0.00 |
| P-72 | J-260 | J-264 | 284.00 | 2.00 | 100.0000 | 0.00 |
| P-73 | J-265 | J-260 | 1288.46 | 4.00 | 100.0000 | 0.00 |
| P-74 | J-17 | J-2 | 1614.21 | 14.00 | 100.0000 | 0.00 |
| P-75 | J-296 | J-265 | 127.42 | 6.00 | 100.0000 | 0.00 |
| | | | | 2.00 | | 0.00 |
| P-76 | J-300 | J-307 | 275.17 | | 100.0000 | |
| P-77 | J-308 | J-300 | 327.58 | 2.00 | 100.0000 | 0.00 |
| P-78 | J-314 | J-300 | 266.92 | 3.00 | 100.0000 | 0.00 |

| P-79 | J-317 | J-314 | 258.85 | 2.00 | 100.0000 | 0.00 |
|------|-------|-------|---------|-------|----------|------|
| P-8 | J-80 | J-83 | 282.30 | 12.00 | 100.0000 | 0.00 |
| P-80 | J-296 | J-327 | 1171.91 | 4.00 | 100.0000 | 0.00 |
| P-81 | J-328 | J-327 | 257.54 | 2.00 | 100.0000 | 0.00 |
| P-82 | J-327 | J-335 | 134.77 | 4.00 | 100.0000 | 0.00 |
| P-83 | J-335 | J-314 | 465.30 | 3.00 | 100.0000 | 0.00 |
| P-84 | J-337 | J-335 | 810.11 | 3.00 | 100.0000 | 0.00 |
| P-85 | J-342 | J-295 | 69.97 | 3.00 | 100.0000 | 0.00 |
| P-86 | J-343 | J-356 | 2694.79 | 4.00 | 100.0000 | 0.00 |
| P-87 | J-356 | J-361 | 423.26 | 2.00 | 100.0000 | 0.00 |
| P-88 | J-168 | J-368 | 2910.61 | 10.00 | 100.0000 | 0.00 |
| P-89 | J-369 | J-368 | 760.22 | 4.00 | 100.0000 | 0.00 |
| P-9 | J-84 | J-82 | 281.66 | 6.00 | 100.0000 | 0.00 |
| P-90 | J-373 | J-375 | 918.87 | 2.00 | 100.0000 | 0.00 |
| P-91 | J-375 | J-369 | 43.16 | 2.00 | 100.0000 | 0.00 |
| P-92 | J-375 | J-377 | 652.38 | 2.00 | 100.0000 | 0.00 |
| P-93 | J-369 | J-382 | 888.92 | 3.00 | 100.0000 | 0.00 |
| P-94 | J-383 | J-385 | 515.26 | 2.00 | 100.0000 | 0.00 |
| P-95 | J-295 | T-1 | 87.56 | 14.00 | 100.0000 | 0.00 |
| P-96 | J-373 | J-382 | 414.44 | 3.00 | 100.0000 | 0.00 |
| P-97 | J-382 | J-385 | 42.39 | 3.00 | 100.0000 | 0.00 |
| P-98 | J-368 | J-227 | 1138.24 | 10.00 | 100.0000 | 0.00 |
| P-99 | J-228 | J-159 | 423.90 | 3.00 | 100.0000 | 0.00 |

END NODE DATA

| ON
MAN | | NODE
ITLE | EXTERNAL
DEMAND
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|-----------|---|--------------|-----------------------------|-------------------------------|---------------------------|
| J- | 1 | | 9.00 | 217.85 | |
| J-1 | 0 | | 10.00 | 199.08 | |
| J-10 | 2 | | 2.00 | 190.00 | |
| J-10 | 7 | | 4.00 | 186.95 | |
| J-1 | 1 | | 10.00 | 211.96 | |
| J-11 | 8 | | 12.00 | 212.83 | |
| J-1 | 2 | | 10.00 | 218.95 | |
| J-12 | 3 | | 2.00 | 220.00 | |
| J-12 | 7 | | 20.00 | 190.00 | |
| J-1 | 3 | | 10.00 | 224.77 | |
| J-1 | 4 | | 10.00 | 240.91 | |
| J-14 | 1 | | 34.00 | 202.36 | |
| J-14 | 2 | | 14.00 | 205.87 | |
| J-14 | 3 | | 15.00 | 190.00 | |
| J-14 | 4 | | 13.00 | 195.83 | |
| J-14 | 5 | | 6.00 | 191.49 | |
| J-14 | 6 | | 44.00 | 210.00 | |
| J-14 | 7 | | 0.00 | 211.49 | |
| J-1 | 5 | | 10.00 | 228.55 | |
| J-15 | 1 | | 42.00 | 210.00 | |
| J-15 | 2 | | 6.00 | 193.45 | |
| J-15 | | | 42.00 | 212.86 | |
| J-15 | | | 43.00 | 217.50 | |
| J-15 | | | 11.00 | 186.08 | |
| J-15 | | | 0.00 | 197.29 | |
| J-1 | | | 6.00 | 189.37 | |
| J-16 | | | 2.00 | 196.12 | |
| J-16 | | | 26.00 | 200.00 | |
| J-16 | | | 0.00 | 192.42 | |
| J-16 | | | 11.00 | 192.49 | |
| J-1 | | | 0.00 | 297.52 | |
| J-17 | | | 1.00 | 185.89 | |
| J-17 | | | 5.00 | 204.49 | |
| J-1 | | | 0.00 | 211.06 | |
| J-18 | | | 11.00 | 181.76 | |
| J-18 | | | 10.00 | 210.00 | |
| J-1 | | | 2.00 | 212.37 | |
| J-19 | | | 18.00 | 204.06 | |
| J-19 | | | 4.00 | 260.00 | |
| J- | 2 | | 76.00 | 290.00 | |

| J-20 | 0.00 | 220.00 |
|----------------|---------------|------------------|
| J-205 | 10.00 | 264.67 |
| | | |
| J-21 | 6.00 | 220.98 |
| J-210 | 17.00 | 207.47 |
| | | |
| J-218 | 4.00 | 217.91 |
| | | |
| J-219 | 3.00 | 208.85 |
| J-22 | 6.00 | 203.68 |
| | | |
| J-220 | 4.00 | 218.56 |
| J-222 | 10.00 | 197.12 |
| | | |
| J-223 | 6.00 | 182.33 |
| J-224 | 12.00 | 193.71 |
| | | |
| J-225 | 4.00 | 182.60 |
| T 226 | 14.00 | 102 14 |
| J-226 | | 193.14 |
| J-227 | 2.00 | 194.03 |
| | 2 22 | |
| J-228 | 2.00 | 208.55 |
| J-23 | 4.00 | 182.32 |
| | | |
| J-237 | 1.00 | 179.72 |
| J-238 | 1.00 | 178.80 |
| | | |
| J-239 | 7.00 | 205.67 |
| J-24 | 5.00 | 211.78 |
| | | |
| J-242 | 4.00 | 189.61 |
| J-246 | 8.00 | 189.64 |
| | | |
| J-25 | 5.00 | 206.38 |
| J-259 | 13.00 | 183.37 |
| | | |
| J-26 | 5.00 | 198.54 |
| | | |
| J-260 | 3.00 | 190.00 |
| J-264 | 2.00 | 181.79 |
| | | |
| J-265 | 11.00 | 180.00 |
| J-27 | 5.00 | 180.00 |
| | | |
| J-28 | 66.00 | 208.62 |
| J-29 | 66.00 | 250.00 |
| | | |
| J-295 | 0.00 | 356.45 |
| J-296 | 13.00 | 180.00 |
| | | |
| J-3 | 9.00 | 208.17 |
| 7 20 | 66.00 | 239.96 |
| J-30 | | |
| J-300 | 11.00 | 180.00 |
| | | |
| J-307 | 2.00 | 180.00 |
| J-308 | 2.00 | 180.00 |
| | | |
| J-314 | 8.00 | 180.00 |
| J-317 | 2.00 | 180.00 |
| | | |
| J-327 | 4.00 | 184.68 |
| J-328 | 1.00 | 180.00 |
| | | |
| J-335 | 16.00 | 183.16 |
| J-337 | 1.00 | 191.93 |
| | | |
| J-342 | 0.00 | 354.29 |
| J-343 | 32.00 | 194.91 |
| | | |
| J-356 | 7.00 | 180.00 |
| J-361 | 3.00 | 180.00 |
| | | |
| J-368 | 1.00 | 194.87 |
| J-369 | 7.00 | 190.00 |
| | | |
| J-373 | 4.00 | 182.43 |
| J-375 | 0.00 | 190.00 |
| | | |
| J-377 | 1.00 | 180.00 |
| J-382 | 9.00 | 188.90 |
| | | |
| J-383 | 0.00 | 180.00 |
| J-385 | 0.00 | 189.34 |
| | | |
| J-391 | 0.00 | 176.55 |
| J-392 | 3.00 | 189.91 |
| | | |
| J-4 | 8.00 | 224.83 |
| J-432 | 0.00 | 207.58 |
| | | |
| J-440 | 4.00 | 196.32 |
| J-449 | 1.00 | 190.00 |
| | | |
| J-450 | 9.00 | 223.98 |
| J-472 | 3.00 | 180.00 |
| | | |
| J-473 | 0.00 | 239.54 |
| | 12.00 | 196.46 |
| J-481 | | |
| J-499 | 3.00 | 174.14 |
| | | |
| J-5 | 0 00 | 218.94 |
| | 9.00 | |
| J-506 | | |
| J-506 | 14.00 | 184.61 |
| J-506
J-512 | | |
| J-512 | 14.00
2.00 | 184.61
180.00 |
| | 14.00 | 184.61 |

| J-515 | 9.00 | 239.14 | |
|-------|-------|--------|--------|
| | | | |
| J-516 | 9.00 | 209.20 | |
| J-518 | 2.00 | 186.61 | |
| J-519 | 2.00 | 203.91 | |
| J-522 | 6.00 | 180.66 | |
| J-523 | 1.00 | 176.34 | |
| J-526 | 5.00 | 185.23 | |
| | 2.00 | 180.00 | |
| J-527 | | | |
| J-529 | 0.00 | 220.00 | |
| J-530 | 2.00 | 180.00 | |
| J-532 | 2.00 | 175.95 | |
| J-533 | 2.00 | 179.56 | |
| J-534 | 3.00 | 190.00 | |
| | 4.00 | 190.00 | |
| J-539 | | | |
| J-542 | 0.00 | 208.96 | |
| J-550 | 0.00 | 189.62 | |
| J-580 | 0.00 | 208.84 | |
| J-591 | 0.00 | 232.03 | |
| J-592 | 0.00 | 227.95 | |
| J-6 | 8.00 | 220.33 | |
| | | | |
| J-601 | 14.00 | 200.00 | |
| J-607 | 14.00 | 193.46 | |
| J-608 | 0.00 | 200.86 | |
| J-616 | 14.00 | 172.66 | |
| J-62 | 53.00 | 195.66 | |
| J-620 | 14.00 | 200.00 | |
| J-626 | 14.00 | 180.00 | |
| | | | |
| J-639 | 14.00 | 181.25 | |
| J-648 | 14.00 | 186.13 | |
| J-667 | 0.00 | 180.00 | |
| J-686 | 19.00 | 190.00 | |
| J-69 | 38.00 | 195.43 | |
| | 0.00 | 200.00 | |
| J-698 | | | |
| J-699 | 0.00 | 200.00 | |
| J-7 | 5.00 | 199.95 | |
| J-706 | 0.00 | 203.52 | |
| J-710 | 0.00 | 217.47 | |
| J-743 | 5.00 | 180.00 | |
| J-747 | 0.00 | 210.67 | |
| | | | |
| J-756 | 2.00 | 176.92 | |
| J-76 | 3.00 | 183.45 | |
| J-760 | 0.00 | 230.18 | |
| J-77 | 7.00 | 180.00 | |
| J-770 | 0.00 | 220.53 | |
| J-775 | 5.00 | 175.77 | * |
| J-781 | 5.00 | 178.50 | |
| | 0.00 | | |
| J-787 | | 230.00 | |
| J-8 | 4.00 | 205.49 | |
| J-80 | 40.00 | 210.00 | |
| J-811 | 10.00 | 240.00 | |
| J-815 | 9.00 | 182.04 | |
| J-816 | 0.00 | 200.00 | |
| J-82 | 49.00 | 220.00 | |
| | 5.00 | 192.47 | |
| J-820 | | | |
| J-821 | 0.00 | 205.88 | |
| J-822 | 0.00 | 205.78 | |
| J-83 | 45.00 | 210.00 | |
| J-837 | 8.00 | 218.45 | |
| J-84 | 52.00 | 220.00 | |
| | 8.00 | 190.68 | |
| J-849 | | | |
| J-850 | 0.00 | 206.32 | |
| J-851 | 0.00 | 206.78 | |
| J-866 | 66.00 | 222.62 | |
| J-89 | 15.00 | 190.00 | |
| J-9 | 5.00 | 201.84 | |
| J-93 | 43.00 | 210.00 | |
| | | | |
| J-96 | 0.00 | 220.00 | |
| J-98 | 35.00 | 214.41 | |
| R-1 | | 335.39 | 410.00 |
| R-2 | | 291.44 | 410.00 |
| T-1 | | 360.00 | 380.00 |
| = = | | | |

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

MAXIMUM AND MINIMUM PRESSURES = 20
MAXIMUM AND MINIMUM VELOCITIES = 20
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 20

SYSTEM CONFIGURATION

 NUMBER OF PIPES
 (p) = 199

 NUMBER OF END NODES
 (j) = 179

 NUMBER OF PRIMARY LOOPS
 (1) = 18

 NUMBER OF SUPPLY NODES
 (f) = 3

 NUMBER OF SUPPLY ZONES
 (z) = 1

CHANGES FOR NEXT SIMULATION (Change Number = 3)

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00001

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE
NAME | NODE
#1 | NUMBERS
#2 | FLOWRATE | HEAD
LOSS | MINOR
LOSS | LINE
VELO. | HL/
1000 |
|--------------|--------------|---------------|----------|--------------|---------------|---------------|-------------|
| | | | (gpm) | (ft) | (ft) | (ft/s) | (ft/ft) |
| P-1 | R-1 | J-17 | 311.64 | 0.52 | 0.00 | 0.88 | 0.48 |
| P-10 | J-83 | J-84 | 61.84 | 0.86 | 0.00 | 0.70 | 0.70 |
| P-100 | J-169 | J-391 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-101 | J-392 | J-169 | -1.41 | 0.06 | 0.00 | 0.14 | 0.13 |
| P-102 | J-123 | T-1 | -818.27 | 6.10 | 0.00 | 1.71 | 1.34 |
| P-103 | J-343 | J-432 | 234.06 | 2.72 | 0.00 | 1.49 | 2.02 |
| P-104 | J-432 | J-296 | 35.72 | 0.34 | 0.00 | 0.41 | 0.25 |
| P-105 | J-440 | J-449 | 0.47 | 0.01 | 0.00 | 0.05 | 0.02 |
| P-106 | J-450 | J-472 | 1.41 | 0.21 | 0.00 | 0.14 | 0.13 |
| P-107 | J-473 | J-481 | 14.57 | 1.37 | 0.00 | 0.66 | 1.40 |
| P-108 | J-481 | J-499 | 1.41 | 0.14 | 0.00 | 0.14 | 0.13 |
| P-109 | J-481 | J-506 | 7.52 | 0.22 | 0.00 | 0.34 | 0.41 |
| P-11 | J -76 | J-89 | -0.84 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-110 | J-506 | J-512 | 0.94 | 0.03 | 0.00 | 0.10 | 0.06 |
| P-111 | J-513 | J-515 | 9.40 | 0.02 | 0.00 | 0.11 | 0.02 |
| P-112 | J-516 | J-518 | 0.94 | 0.03 | 0.00 | 0.10 | 0.06 |
| P-113 | J-513 | J-516 | 9.42 | 0.14 | 0.00 | 0.43 | 0.62 |
| P-114 | J-519 | J-513 | 19.76 | 0.03 | 0.00 | 0.22 | 0.08 |
| P-115 | J-519 | J-522 | 8.44 | 0.16 | 0.00 | 0.38 | 0.51 |
| P-116 | J-522 | J-523 | 0.47 | 0.03 | 0.00 | 0.11 | 0.14 |
| P-117 | J-522 | J-526 | 5.15 | 0.70 | 0.00 | 0.53 | 1.47 |
| P-118 | J-527 | J-526 | -0.94 | 0.01 | 0.00 | 0.10 | 0.06 |
| P-119 | J-123 | J-529 | 8.93 | 0.01 | 0.00 | 0.41 | 0.57 |
| P-12 | J-62 | J-93 | 762.52 | 1.41 | 0.00 | 2.16 | 2.50 |
| P-120 | J-530 | J-532 | 0.94 | 0.26 | 0.00 | 0.38 | 1.84 |
| P-121 | J-533 | J-534 | -0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-122 | J-534 | J-516 | -4.25 | 0.77 | 0.00 | 0.43 | 1.03 |
| P-123 | J-526 | J-539 | 1.86 | 0.11 | 0.00 | 0.19 | 0.22 |
| P-124 | J-539 | J-530 | 1.88 | 0.11 | 0.00 | 0.19 | 0.23 |
| P-125 | J-539 | J-534 | -1.90 | 0.03 | 0.00 | 0.19 | 0.23 |
| P-126 | J-542 | J-519 | 29.14 | 0.05 | 0.00 | 0.33 | 0.17 |
| P-127 | J-542 | J-550 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-128 | J-154 | J-28 | 484.10 | 3.99 | 0.00 | 1.37 | 1.08 |

| P-13 J-19 J-96 0.00 0.00 0.00 0.00 0.00 0.00 P-131 J-580 J-343 253.80 6.64 0.00 1.62 2.3 P-131 J-580 J-543 253.80 6.64 0.00 1.62 2.3 P-131 J-580 J-591 J-592 46.06 0.39 0.00 1.18 2.9 P-133 J-591 J-592 46.06 0.39 0.00 1.18 2.9 P-133 J-591 J-592 J-608 32.90 1.62 0.00 0.00 0.84 1.5 P-134 J-592 J-608 13.90 0.26 0.00 0.00 0.84 1.5 P-135 J-601 J-607 6.58 0.26 0.00 0.00 0.30 0.3 P-135 J-601 J-607 6.58 0.26 0.00 0.00 0.30 0.5 P-135 J-608 J-616 6.58 0.26 0.00 0.67 7.3 P-138 J-608 J-626 6.58 0.24 0.00 0.67 7.3 P-139 J-620 J-626 6.59 0.60 0.00 0.67 7.3 P-139 J-620 J-626 6.59 0.60 0.00 0.67 7.3 P-139 J-620 J-639 13.16 2.88 0.00 0.67 7.3 P-141 J-639 J-667 8.93 3.23 0.00 0.60 1.5 P-142 J-529 J-667 8.93 3.23 0.00 0.58 1.3 P-144 J-667 J-686 8.93 2.31 0.00 0.58 1.3 P-144 J-667 J-696 B-696 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 | | | | | | | | |
|--|-------|-------------|-------------|--------|------|------|------|------|
| P-13 | P-129 | J-168 | J-580 | 299.86 | 6.83 | 0.00 | 1.91 | 3.19 |
| P-130 | | | | | | | | |
| P-131 | | | | | | | | |
| P-132 | | | | | | | | |
| P-133 | | | | | | | | |
| P-134 | | | | | | | | 2.91 |
| P-135 J-601 J-607 6.58 0.26 0.00 0.30 0.39 4.59 P-137 J-608 J-616 6.58 1.24 0.00 0.67 1.39 P-138 J-608 J-620 26.32 0.67 0.00 0.67 1.39 P-139 J-620 J-626 6.58 1.24 0.00 0.67 1.39 P-139 J-620 J-626 6.58 1.63 0.00 0.67 1.39 P-140 J-620 J-636 6.58 13.16 2.88 0.00 0.67 1.39 P-140 J-620 J-639 13.16 2.88 0.43 0.00 0.60 1.1 P-141 J-639 J-648 6.58 0.43 0.00 0.60 0.60 1.1 P-141 J-639 J-648 6.58 0.43 0.00 0.60 0.50 1.39 P-142 J-529 J-667 8.93 3.23 0.00 0.50 0.50 1.3 P-143 J-667 J-688 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 | | | | | | | 0.84 | 1.56 |
| P-136 | P-134 | J-592 | J-601 | 13.16 | 1.32 | 0.00 | 0.60 | 1.16 |
| P-137 J-608 J-620 26.32 0.67 0.00 0.67 12.3 P-139 J-620 J-620 6.58 1.63 0.60 0.00 0.67 12.3 P-139 J-620 J-626 6.58 1.63 0.60 0.00 0.67 12.3 P-139 J-620 J-626 6.58 1.63 0.60 0.00 0.67 12.3 P-144 J-630 J-639 13.16 2.88 0.66 0.00 0.67 12.1 P-141 J-639 J-648 6.58 0.43 0.60 0.00 0.60 12.1 P-141 J-639 J-648 6.58 0.43 0.00 0.30 0.30 0.3 P-143 J-667 J-686 8.93 3.23 0.00 0.58 1.3 P-144 J-667 J-686 8.93 3.23 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | P-135 | J-601 | J-607 | 6.58 | 0.26 | 0.00 | 0.30 | 0.32 |
| P-137 J-608 J-620 26.32 0.67 0.00 0.67 12.3 P-139 J-620 J-620 6.58 1.63 0.60 0.00 0.67 12.3 P-139 J-620 J-626 6.58 1.63 0.60 0.00 0.67 12.3 P-139 J-620 J-626 6.58 1.63 0.60 0.00 0.67 12.3 P-144 J-630 J-639 13.16 2.88 0.66 0.00 0.67 12.1 P-141 J-639 J-648 6.58 0.43 0.60 0.00 0.60 12.1 P-141 J-639 J-648 6.58 0.43 0.00 0.30 0.30 0.3 P-143 J-667 J-686 8.93 3.23 0.00 0.58 1.3 P-144 J-667 J-686 8.93 3.23 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | P-136 | J-2 | J-295 | | | | | 4.53 |
| P-138 | | | | | | | | |
| P-1199 J-620 J-626 6.58 1.63 0.00 0.67 2.3 P-140 J-93 J-80 708.28 0.66 0.00 2.01 2.1 P-140 J-630 J-630 J-639 13.16 2.88 0.00 0.60 1.1 P-141 J-639 J-648 6.58 0.43 0.00 0.30 0.3 0.3 P-143 J-667 J-686 8.93 3.23 0.00 0.58 1.3 P-144 J-657 J-686 8.93 3.23 0.00 0.58 1.3 P-144 J-667 J-698 0.00 0.00 0.00 0.00 0.00 0.00 0.00 P-145 J-697 J-706 0.00 0.00 0.00 0.00 0.00 0.00 P-145 J-697 J-706 0.00 0.00 0.00 0.00 0.00 0.00 P-146 J-697 J-707 113.27 0.43 0.00 0.46 0.1 P-147 J-710 J-29 101.52 0.22 0.00 0.41 0.1 P-148 J-798 J-799 J-798 J-798 J-798 J-799 J-79 | | | | | | | | |
| P-14 | | | | | | | | |
| P-140 | | | | | | | | |
| P-141 J-639 J-648 6.58 0.43 0.00 0.30 0.3 0.2 P-143 J-657 J-667 8.93 3.23 0.00 0.58 1.3 P-144 J-667 J-686 8.93 3.23 0.00 0.58 1.3 P-144 J-667 J-686 8.93 0.00 0.00 0.00 0.00 0.00 0.00 0.00 P-146 J-699 J-706 0.00 0.00 0.00 0.00 0.00 0.00 P-146 J-228 J-710 I13.27 0.43 0.00 0.46 0.1 P-147 J-710 J-29 101.52 0.22 0.00 0.41 0.1 P-148 J-710 J-29 101.52 0.22 0.00 0.41 0.1 P-148 J-710 J-24 11.75 0.47 0.00 0.53 0.9 P-150 J-747 5.17 0.13 0.00 0.23 0.9 P-150 J-747 J-440 2.35 0.01 0.00 0.00 0.29 0.0 P-151 J-747 J-740 0.23 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | | | | | | | | 2.18 |
| P-142 | P-140 | J-620 | J-639 | 13.16 | 2.88 | 0.00 | 0.60 | 1.16 |
| P-143 | P-141 | J-639 | J-648 | 6.58 | 0.43 | 0.00 | 0.30 | 0.32 |
| P-143 | P-142 | J-529 | J-667 | 8.93 | 3.23 | 0.00 | 0.58 | 1.37 |
| P-144 | | | | | | | | 1.37 |
| P-145 J-699 J-706 | | | | | | | | |
| P-146 | | | | | | | | |
| P-147 J-710 J-29 101.52 0.22 0.00 0.41 0.1 P-148 J-710 J-24 11.75 0.47 0.00 0.53 0.2 P-149 J-515 J-747 5.17 0.13 0.00 0.23 0.2 P-150 J-82 J-98 -7.62 0.00 0.00 0.00 0.23 0.2 P-150 J-747 J-440 2.35 0.01 0.00 0.11 0.0 P-151 J-747 J-23 2.82 0.30 0.00 0.00 0.29 0.4 P-152 J-7450 J-760 42.30 0.09 0.00 0.09 0.02 0.29 0.4 P-153 J-760 J-542 29.14 0.14 0.00 0.33 0.1 P-153 J-760 J-542 29.14 0.14 0.00 0.33 0.1 P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-155 J-770 J-21 7.99 0.27 0.00 0.54 0.4 0.4 P-155 J-770 J-21 7.99 0.27 0.00 0.54 0.4 0.4 P-155 J-787 J-450 47.94 0.52 0.00 0.05 0.05 0.0 0.0 0.0 0.0 0.0 0.0 | | | | | | | | |
| P-148 J-710 J-24 11.75 0.47 0.00 0.53 0.9 P-149 J-515 J-747 5.17 0.13 0.00 0.53 0.9 P-150 J-82 J-98 -7.62 0.00 0.00 0.09 0.0 P-150 J-747 J-440 2.35 0.01 0.00 0.11 0.00 P-151 J-747 J-23 2.82 0.30 0.00 0.02 0.49 P-152 J-450 J-760 42.30 0.09 0.00 0.48 0.3 P-153 J-760 J-542 29.14 0.14 0.00 0.33 0.1 P-154 J-760 J-760 13.16 0.08 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.36 0.4 P-157 J-473 J-787 47.97 0.21 0.00 0.56 0.4 P-158 J-787 J-11 0.03 0.00 0.00 0.54 0.4 P-159 J-787 J-11 0.03 0.00 0.00 0.02 0.04 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-816 170.61 2.61 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 1.70 1.2 P-164 J-822 J-1 1.20 0.01 1.00 0.55 0.7 P-165 J-837 J-849 3.76 0.66 0.00 1.7 0.1 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-168 J-880 J-851 171.25 1.00 0.00 1.74 0.7 P-169 J-851 J-822 171.81 0.72 0.00 0.17 0.0 P-169 J-851 J-850 J-851 171.25 1.00 0.00 0.17 0.00 P-170 J-851 J-4 0.056 0.00 0.00 0.07 P-170 J-851 J-4 0.056 0.00 0.00 0.07 P-170 J-851 J-866 J-30 93.56 1.80 0.00 0.17 0.00 P-170 J-851 J-866 J-30 93.56 1.80 0.00 0.17 P-177 J-866 J-30 93.56 1.80 0.00 0.17 P-179 J-79 J-80 0.35 0.18 0.00 0.00 0.00 0.00 0.00 P-170 J-851 J-4 0.056 0.00 0.00 0.00 0.00 0.00 P-170 J-851 J-4 0.056 0.00 0.00 0.00 0.00 P-170 J-851 J-4 0.056 0.00 0.00 0.00 0.00 0.00 P-170 J-851 J-4 0.056 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | | | | | | | | |
| P-149 J-515 J-747 5.17 0.13 0.00 0.23 0.2 P-150 J-747 J-440 2.35 0.01 0.00 0.09 0.0 P-151 J-747 J-23 2.82 0.30 0.00 0.29 0.4 P-152 J-450 J-760 42.30 0.09 0.00 0.48 0.3 P-153 J-760 J-542 29.14 0.14 0.00 0.33 0.1 P-155 J-770 J-16 5.17 0.61 0.00 0.33 0.1 P-155 J-770 J-16 5.17 0.61 0.00 0.36 0.4 P-155 J-770 J-21 7.99 0.27 0.00 0.36 0.4 P-155 J-770 J-21 7.99 0.27 0.00 0.54 0.4 P-158 J-787 J-11 0.03 0.00 0.00 0.54 0.4 P-159 J-787 J-11 | P-147 | | | | | | | 0.14 |
| P-15 | P-148 | J-710 | J-24 | 11.75 | 0.47 | 0.00 | 0.53 | 0.94 |
| P-150 J-747 J-440 2.35 0.01 0.00 0.11 0.0 P-151 J-747 J-23 2.82 0.30 0.00 0.29 0.48 P-152 J-450 J-760 42.30 0.09 0.00 0.48 0.3 P-153 J-760 J-770 13.16 0.08 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-155 J-770 J-21 7.99 0.27 0.00 0.36 0.4 P-156 J-770 J-21 7.99 0.27 0.00 0.54 0.4 P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-159 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-821 J-816 <td>P-149</td> <td>J-515</td> <td>J-747</td> <td>5.17</td> <td>0.13</td> <td>0.00</td> <td>0.23</td> <td>0.21</td> | P-149 | J-515 | J-747 | 5.17 | 0.13 | 0.00 | 0.23 | 0.21 |
| P-150 J-747 J-440 2.35 0.01 0.00 0.11 0.0 P-151 J-747 J-23 2.82 0.30 0.00 0.29 0.48 P-152 J-450 J-760 42.30 0.09 0.00 0.48 0.3 P-153 J-760 J-770 13.16 0.08 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-155 J-770 J-21 7.99 0.27 0.00 0.36 0.4 P-156 J-770 J-21 7.99 0.27 0.00 0.54 0.4 P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-159 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-821 J-816 <td>P-15</td> <td>J-82</td> <td>J-98</td> <td>-7.62</td> <td>0.00</td> <td>0.00</td> <td>0.09</td> <td>0.01</td> | P-15 | J-82 | J-98 | -7.62 | 0.00 | 0.00 | 0.09 | 0.01 |
| P-151 J-747 J-23 2.82 0.30 0.00 0.29 0.4 P-153 J-760 J-542 29.14 0.14 0.00 0.33 0.1 P-154 J-760 J-770 13.16 0.08 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.34 0.2 P-156 J-770 J-21 7.99 0.27 0.00 0.36 0.4 P-157 J-473 J-787 47.97 0.21 0.00 0.54 0.4 P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-159 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-160 J-811 J-10 8.93 0.56 0.00 0.91 4.0 P-161 J-866 J-9 8.93 0.56 0.00 0.91 4.0 P-163 J-822 J-816 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.05</td> | | | | | | | | 0.05 |
| P-152 J-450 J-760 J-230 0.09 0.00 0.48 0.3 P-153 J-760 J-542 29.14 0.14 0.00 0.34 0.2 P-154 J-760 J-770 13.16 0.08 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-157 J-473 J-787 47.97 0.21 0.00 0.54 0.4 P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-158 J-787 J-11 0.03 0.00 0.00 0.54 0.4 P-164 J-88 J-69 1.69 0.00 0.00 0.02 0.00 P-166 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-167 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 | | | | | | | | |
| P-153 J-760 J-542 29.14 0.14 0.00 0.33 0.1 P-155 J-760 J-770 13.16 0.08 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.36 0.4 P-156 J-770 J-21 7.99 0.27 0.00 0.36 0.4 P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-159 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-160 J-98 J-69 1.69 0.00 0.00 0.00 0.00 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-163 J-816 J-0.61 2.61 0.00 1.94 4.5 P-164 J-822 J-816 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| P-154 J-760 J-770 13.16 0.08 0.00 0.34 0.2 P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-156 J-770 J-21 7.99 0.27 0.00 0.36 0.4 P-157 J-473 J-787 47.97 0.21 0.00 0.54 0.4 P-158 J-787 J-11 0.03 0.00 0.00 0.54 0.4 P-159 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-16 J-98 J-69 1.69 0.00 0.00 0.02 0.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-821 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-811 120 0.01 0.00 1.94 4.5 P-164 J-822 J-811 | | | | | | | | |
| P-155 J-770 J-16 5.17 0.61 0.00 0.53 1.4 P-157 J-473 J-787 47.97 0.21 0.00 0.54 0.4 P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-159 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-160 J-811 J-10 8.93 0.00 0.00 0.00 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-816 170.61 2.61 0.00 1.91 4.5 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-164 J-822 J-1 1.20 0.01 0.00 0.01 1.00 P-165 J-837 J-849 | | | | | | | | |
| P-156 J-770 J-21 7.99 0.27 0.00 0.36 0.4 P-157 J-473 J-787 47.97 0.21 0.00 0.54 0.4 P-158 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-16 J-98 J-69 1.69 0.00 0.00 0.02 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 0.95 0.0 P-164 J-822 J-1 1.20 0.01 0.00 0.95 0.0 P-165 J-837 J-3 1-0.55 0.48 0.00 1.1 1.2 P-166 J-837 J-849 | P-154 | J-760 | J-770 | 13.16 | 0.08 | 0.00 | 0.34 | 0.29 |
| P-157 J-473 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-159 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-16 J-98 J-69 1.69 0.00 0.00 0.02 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-164 J-822 J-816 170.55 0.48 0.00 0.48 0.7 P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-850 | P-155 | J-770 | J-16 | 5.17 | 0.61 | 0.00 | 0.53 | 1.48 |
| P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-16 J-98 J-69 1.69 0.00 0.00 0.00 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-851 J-822 171.81 0.72 0.00 1.94 4.5 P-169 J-851 J-8 | P-156 | J-770 | J-21 | 7.99 | 0.27 | 0.00 | 0.36 | 0.46 |
| P-158 J-787 J-450 47.94 0.52 0.00 0.54 0.4 P-16 J-98 J-69 1.69 0.00 0.00 0.00 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-851 J-822 171.81 0.72 0.00 1.94 4.5 P-169 J-851 J-8 | P-157 | J-473 | J-787 | 47.97 | 0.21 | 0.00 | 0.54 | 0.43 |
| P-159 J-787 J-11 0.03 0.00 0.00 0.00 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-163 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-164 J-822 J-1 1.20 0.01 0.00 0.05 0.0 P-166 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 0.17 0.1 P-169 J-851 J-822 171.81 0.72 0.0 1.94 4.5 P-169 J-851 J-851 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.43</td> | | | | | | | | 0.43 |
| P-16 J-98 J-69 1.69 0.00 0.00 0.02 0.00 P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 2.44 0.00 0.91 4.0 P-162 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-164 J-822 J-1 1.20 0.01 0.00 0.05 0.0 P-165 J-837 J-849 3.76 0.06 0.00 0.48 0.7 P-166 J-837 J-850 183.56 0.26 0.00 1.17 1.2 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-851 J-851 171.25 1.00 0.00 1.94 4.6 P-169 J-851 J-82 | | | | | | | | |
| P-160 J-811 J-10 8.93 2.44 0.00 0.91 4.0 P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-816 170.61 2.61 0.00 1.27 1.4 P-164 J-822 J-1 1.20 0.01 0.00 0.05 0.0 P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-169 J-851 J-851 171.25 1.00 0.00 1.94 4.5 P-169 J-851 J-851 171.25 1.00 0.00 1.94 4.5 P-170 J-851 J-851 171.25 1.00 0.00 1.94 4.5 P-171 J-866 J- | | | | | | | | |
| P-161 J-816 J-9 8.93 0.56 0.00 0.91 4.0 P-162 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-850 J-851 171.25 1.00 0.00 1.94 4.5 P-169 J-851 J-822 171.81 0.72 0.00 1.94 4.5 P-17 J-82 J-102 6.81 0.14 0.00 0.17 0.0 P-171 J-816 J-866 161.68 3.79 0.00 1.03 1.0 P-172 J-866 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | | | |
| P-162 J-432 J-821 198.34 0.36 0.00 1.27 1.4 P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-164 J-822 J-1 1.20 0.01 0.00 0.05 0.0 P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.77 1.2 P-169 J-851 J-852 171.81 0.72 0.00 1.95 4.6 P-170 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-170 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-171 J-866 J-80 0.00 0.00 1.7 0.0 P-171 J-816 J-866 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | | | |
| P-163 J-822 J-816 170.61 2.61 0.00 1.94 4.5 P-164 J-822 J-1 1.20 0.01 0.00 0.05 0.0 P-165 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-850 J-851 171.25 1.00 0.00 1.94 4.5 P-169 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-170 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-170 J-851 J-822 171.81 0.72 0.00 1.01 1.0 P-171 J-816 J-866 161.68 3.79 0.00 1.03 1.0 P-172 J-866 | P-161 | | | | | | | 4.07 |
| P-164 J-822 J-1 1.20 0.01 0.00 0.05 0.0 P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-850 J-851 171.25 1.00 0.00 1.94 4.5 P-179 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-170 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-171 J-821 J-102 6.81 0.14 0.00 0.17 0.0 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-173 J-866 <td< td=""><td>P-162</td><td>J-432</td><td>J-821</td><td>198.34</td><td>0.36</td><td>0.00</td><td>1.27</td><td>1.48</td></td<> | P-162 | J-432 | J-821 | 198.34 | 0.36 | 0.00 | 1.27 | 1.48 |
| P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 0.1 P-168 J-850 J-851 171.25 1.00 0.00 1.95 4.6 P-169 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-170 J-851 J-4 -0.56 0.00 0.00 0.17 0.0 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.00 P-175 J-3 J- | P-163 | J-822 | J-816 | 170.61 | 2.61 | 0.00 | 1.94 | 4.56 |
| P-165 J-837 J-3 -10.55 0.48 0.00 0.48 0.7 P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.1 P-167 J-821 J-850 183.56 0.26 0.00 1.17 0.1 P-168 J-850 J-851 171.25 1.00 0.00 1.95 4.6 P-169 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-170 J-851 J-4 -0.56 0.00 0.00 0.17 0.0 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.00 P-175 J-3 J- | P-164 | J-822 | J-1 | 1.20 | 0.01 | 0.00 | 0.05 | 0.01 |
| P-166 J-837 J-849 3.76 0.06 0.00 0.17 0.18 P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-850 J-851 171.25 1.00 0.00 1.94 4.5 P-169 J-851 J-822 171.81 0.72 0.00 1.94 4.5 P-170 J-851 J-4 -0.56 0.00 0.00 0.17 0.0 P-170 J-851 J-4 -0.56 0.00 0.00 0.03 0.0 P-171 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 | | | J-3 | | | | | 0.77 |
| P-167 J-821 J-850 183.56 0.26 0.00 1.17 1.2 P-168 J-850 J-851 171.25 1.00 0.00 1.94 4.5 P-169 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-17 J-82 J-102 6.81 0.14 0.00 0.17 0.0 P-170 J-851 J-4 -0.56 0.00 0.00 0.03 0.0 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.66 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.67 1.4 P-175 J-3 J-821 | | | | | | | | 0.11 |
| P-168 J-850 J-851 J71.25 1.00 0.00 1.94 4.5 P-169 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-17 J-82 J-102 6.81 0.14 0.00 0.17 0.00 P-170 J-851 J-4 -0.56 0.00 0.00 0.03 0.00 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | | |
| P-169 J-851 J-822 171.81 0.72 0.00 1.95 4.6 P-17 J-82 J-102 6.81 0.14 0.00 0.17 0.0 P-170 J-851 J-4 -0.56 0.00 0.00 0.03 0.00 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.20 0.1 P-178 J-6 J-5 | | | | | | | | |
| P-17 J-82 J-102 6.81 0.14 0.00 0.17 0.00 P-170 J-851 J-4 -0.56 0.00 0.00 0.03 0.00 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 | | | | | | | | |
| P-170 J-851 J-4 -0.56 0.00 0.00 0.03 0.00 P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.22 0.0 P-180 J-8 J-7 | | | | | | | | 4.62 |
| P-171 J-816 J-866 161.68 3.79 0.00 1.83 4.1 P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 <td< td=""><td>P-17</td><td></td><td></td><td></td><td></td><td></td><td></td><td>0.08</td></td<> | P-17 | | | | | | | 0.08 |
| P-172 J-866 J-30 93.56 1.80 0.00 1.06 1.5 P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J | P-170 | J-851 | J-4 | -0.56 | 0.00 | 0.00 | 0.03 | 0.00 |
| P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.2 | P-171 | J-816 | J-866 | 161.68 | 3.79 | 0.00 | 1.83 | 4.13 |
| P-173 J-866 J-15 37.10 0.47 0.00 0.95 1.9 P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.0 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.2 | P-172 | J-866 | J-30 | 93.56 | 1.80 | 0.00 | 1.06 | 1.50 |
| P-174 J-1 J-837 -3.03 0.06 0.00 0.14 0.00 P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.6 | | | J-15 | 37.10 | 0.47 | 0.00 | 0.95 | 1.95 |
| P-175 J-3 J-821 -14.78 1.46 0.00 0.67 1.4 P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.00 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.08</td> | | | | | | | | 0.08 |
| P-176 J-4 J-6 -4.32 0.10 0.00 0.20 0.1 P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.0 | | | | | | | | |
| P-177 J-5 J-850 -12.31 0.61 0.00 0.56 1.0 P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 2 | | | | | | | | |
| P-178 J-6 J-5 -8.08 0.29 0.00 0.37 0.4 P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32 | | | | | | | | |
| P-179 J-7 J-820 2.35 0.06 0.00 0.24 0.3 P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.0 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.43 0.6 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 <td< td=""><td>P-177</td><td></td><td></td><td></td><td></td><td></td><td></td><td>1.02</td></td<> | P-177 | | | | | | | 1.02 |
| P-18 J-84 J-107 19.79 0.14 0.00 0.22 0.00 P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 <t< td=""><td>P-178</td><td>J-6</td><td>J-5</td><td>-8.08</td><td>0.29</td><td>0.00</td><td>0.37</td><td>0.47</td></t<> | P-178 | J-6 | J -5 | -8.08 | 0.29 | 0.00 | 0.37 | 0.47 |
| P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-190 J-22 J-781 <td< td=""><td>P-179</td><td>J-7</td><td>J-820</td><td>2.35</td><td>0.06</td><td>0.00</td><td>0.24</td><td>0.34</td></td<> | P-179 | J -7 | J-820 | 2.35 | 0.06 | 0.00 | 0.24 | 0.34 |
| P-180 J-8 J-7 4.70 0.37 0.00 0.48 1.2 P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-190 J-22 J-781 <td< td=""><td>P-18</td><td>J-84</td><td>J-107</td><td>19.79</td><td>0.14</td><td>0.00</td><td>0.22</td><td>0.08</td></td<> | P-18 | J-84 | J-107 | 19.79 | 0.14 | 0.00 | 0.22 | 0.08 |
| P-181 J-9 J-8 6.58 0.55 0.00 0.67 2.3 P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-191 J-22 J-781 < | | | | | | | | 1.24 |
| P-182 J-10 J-815 4.23 0.43 0.00 0.43 1.0 P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-191 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 | | | | | | | | |
| P-183 J-11 J-12 -4.67 0.16 0.00 0.21 0.1 P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | | | | | | | | |
| P-184 J-12 J-13 -9.37 0.40 0.00 0.43 0.6 P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | | | | | | | | |
| P-185 J-13 J-811 -14.07 0.54 0.00 0.64 1.3 P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | | | | | | | | |
| P-186 J-14 J-811 27.70 0.43 0.00 0.71 1.1 P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | | | | | | | | 0.62 |
| P-187 J-15 J-14 32.40 0.65 0.00 0.83 1.5 P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | P-185 | J-13 | J-811 | -14.07 | | | | 1.31 |
| P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | P-186 | J-14 | J-811 | 27.70 | 0.43 | 0.00 | 0.71 | 1.13 |
| P-188 J-16 J-775 2.35 0.10 0.00 0.24 0.3 P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | P-187 | J-15 | J-14 | 32.40 | 0.65 | 0.00 | 0.83 | 1.51 |
| P-189 J-21 J-22 5.17 0.45 0.00 0.53 1.4 P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | | | | | | | | 0.34 |
| P-19 J-93 J-98 34.03 2.05 0.00 0.87 1.6 P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3 P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.00 | | | | | | | | 1.48 |
| P-190 J-22 J-781 2.35 0.07 0.00 0.24 0.3
P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.0 | | | | | | | | |
| P-191 J-23 J-756 0.94 0.03 0.00 0.10 0.0 | | | | | | | | |
| | | | | | | | | 0.34 |
| P-192 J-24 J-25 9.40 0.49 0.00 0.43 0.6 | | | | | | | | 0.06 |
| | P-192 | J-24 | J-25 | 9.40 | 0.49 | 0.00 | 0.43 | 0.62 |

| P-193 | J-25 | J-26 | 7.05 | 0.26 | 0.00 | 0.32 | 0.36 |
|-------|--------------|-------|----------|------|------|------|------|
| P-194 | J-26 | J-27 | 4.70 | 0.18 | 0.00 | 0.21 | 0.17 |
| P-195 | J-27 | J-743 | 2.35 | | | | |
| | | | | 0.03 | 0.00 | 0.11 | 0.05 |
| P-196 | J-698 | J-699 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-197 | J-28 | J-161 | 453.08 | 1.47 | 0.00 | 1.29 | 0.95 |
| P-198 | J-29 | J-192 | 70.50 | 0.18 | 0.00 | 0.29 | 0.07 |
| P-199 | J-30 | J-473 | 62.54 | 0.64 | 0.00 | 0.71 | 0.71 |
| P-2 | J-18 | J-19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-20 | J-98 | J-89 | | | | | |
| | | | 8.27 | 0.14 | 0.00 | 0.21 | 0.12 |
| P-21 | J-89 | J-102 | 0.38 | 0.00 | 0.00 | 0.01 | 0.00 |
| P-22 | J-102 | J-107 | 6.25 | 0.00 | 0.00 | 0.07 | 0.01 |
| P-23 | J-118 | J-84 | -23.08 | 0.03 | 0.00 | 0.26 | 0.11 |
| P-24 | J-20 | J-123 | -808.40 | 0.49 | 0.00 | 1.68 | 1.31 |
| P-25 | J-107 | J-127 | 24.16 | 0.28 | 0.00 | 0.62 | 0.88 |
| | | | | | | | |
| P-26 | J-127 | J-141 | 3.27 | 0.16 | 0.00 | 0.15 | 0.09 |
| P-27 | J-141 | J-142 | -10.15 | 0.04 | 0.00 | 0.26 | 0.18 |
| P-28 | J-142 | J-118 | -23.78 | 0.50 | 0.00 | 0.61 | 0.85 |
| P-29 | J-142 | J-143 | 7.05 | 1.54 | 0.00 | 0.72 | 2.63 |
| P-3 | J-20 | J-62 | 807.46 | 8.11 | 0.00 | 2.29 | 2.77 |
| P-30 | J-127 | J-144 | 11.49 | 0.16 | 0.00 | 0.29 | 0.22 |
| | | | | | | | |
| P-31 | J-144 | J-141 | 2.56 | 0.00 | 0.00 | 0.07 | 0.01 |
| P-32 | J-144 | J-145 | 2.82 | 0.11 | 0.00 | 0.29 | 0.48 |
| P-33 | J-83 | J-146 | 578.80 | 0.41 | 0.00 | 1.64 | 1.50 |
| P-34 | J-147 | J-118 | 6.34 | 0.00 | 0.00 | 0.16 | 0.07 |
| P-35 | J-19 | J-20 | -0.94 | 0.00 | 0.00 | 0.01 | 0.00 |
| P-36 | J-147 | J-146 | | 0.47 | | | 0.38 |
| | | | -15.43 | | 0.00 | 0.39 | |
| P-37 | J-146 | J-151 | 542.70 | 0.36 | 0.00 | 1.54 | 1.33 |
| P-38 | J-152 | J-147 | -9.08 | 0.04 | 0.00 | 0.23 | 0.14 |
| P-39 | J-152 | J-151 | -3.91 | 0.15 | 0.00 | 0.18 | 0.12 |
| P-4 | J-62 | J-69 | 20.03 | 3.46 | 0.00 | 0.91 | 2.52 |
| P-40 | J-151 | J-153 | 519.04 | 0.35 | 0.00 | 1.47 | 1.22 |
| | | | | | | | |
| P-41 | J-153 | J-154 | 498.89 | 0.35 | 0.00 | 1.42 | 1.14 |
| P-42 | J-154 | J-157 | -5.42 | 0.35 | 0.00 | 0.25 | 0.22 |
| P-43 | J-157 | J-152 | -10.18 | 0.20 | 0.00 | 0.46 | 0.72 |
| P-44 | J-157 | J-153 | -0.41 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-45 | J-159 | J-160 | 0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-46 | J-161 | J-168 | 432.87 | 2.41 | 0.00 | 1.23 | 0.87 |
| | | | 6.58 | | | | |
| P-47 | J-159 | J-169 | | 0.05 | 0.00 | 0.30 | 0.32 |
| P-48 | J-170 | J-171 | 2.35 | 0.12 | 0.00 | 0.24 | 0.34 |
| P-49 | J-161 | J-182 | 7.99 | 0.23 | 0.00 | 0.20 | 0.11 |
| P-5 | J-69 | J-76 | 3.86 | 0.14 | 0.00 | 0.18 | 0.12 |
| P-50 | J-182 | J-170 | 2.82 | 0.06 | 0.00 | 0.13 | 0.07 |
| P-51 | J-186 | J-191 | 34.43 | 0.45 | 0.00 | 0.88 | 1.69 |
| | | | | | | | |
| P-52 | J-192 | J-186 | 50.76 | 3.67 | 0.00 | 1.30 | 3.48 |
| P-53 | J-17 | R-2 | -1301.54 | 0.52 | 0.00 | 2.71 | 3.17 |
| P-54 | J-192 | J-205 | 17.86 | 0.03 | 0.00 | 0.20 | 0.07 |
| P-55 | J-205 | J-210 | 7.99 | 4.06 | 0.00 | 0.82 | 3.31 |
| P-56 | J-205 | J-218 | 5.17 | 0.28 | 0.00 | 0.23 | 0.21 |
| P-57 | J-219 | J-218 | -1.41 | 0.01 | 0.00 | 0.06 | 0.02 |
| | | | | | | | |
| P-58 | J-218 | J-220 | 1.88 | 0.01 | 0.00 | 0.09 | 0.03 |
| P-59 | J-191 | J-222 | 22.56 | 0.86 | 0.00 | 1.02 | 3.14 |
| P-6 | J-77 | J-76 | -3.29 | 0.03 | 0.00 | 0.15 | 0.09 |
| P-60 | J-222 | J-223 | 2.82 | 0.25 | 0.00 | 0.29 | 0.48 |
| P-61 | J-222 | J-224 | 15.04 | 0.29 | 0.00 | 0.68 | 1.48 |
| P-62 | J-224 | J-225 | 1.88 | 0.11 | 0.00 | 0.19 | 0.23 |
| | | | | | | | |
| P-63 | J-224 | J-226 | 7.52 | 0.07 | 0.00 | 0.34 | 0.41 |
| P-64 | J-227 | J-228 | 121.73 | 0.15 | 0.00 | 0.50 | 0.20 |
| P-65 | J-226 | J-237 | 0.47 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-66 | J-226 | J-238 | 0.47 | 0.01 | 0.00 | 0.05 | 0.02 |
| P-67 | J-186 | J-239 | 11.63 | 0.16 | 0.00 | 0.53 | 0.92 |
| | | | 1.88 | 0.11 | 0.00 | 0.19 | 0.23 |
| P-68 | J-239 | J-242 | | | | | |
| P-69 | J-239 | J-246 | 6.46 | 0.84 | 0.00 | 0.66 | 2.23 |
| P-7 | J-80 | J-82 | 27.69 | 1.40 | 0.00 | 0.71 | 1.13 |
| P-70 | J-246 | J-191 | -3.41 | 0.55 | 0.00 | 0.35 | 0.68 |
| P-71 | J-246 | J-259 | 6.11 | 1.18 | 0.00 | 0.62 | 2.02 |
| P-72 | J-260 | J-264 | 0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| | | | | | | | |
| P-73 | J-265 | J-260 | 2.35 | 0.02 | 0.00 | 0.06 | 0.01 |
| P-74 | J-1 7 | J-2 | 1613.18 | 7.62 | 0.00 | 3.36 | 4.72 |
| P-75 | J-296 | J-265 | 7.52 | 0.00 | 0.00 | 0.09 | 0.01 |
| P-76 | J~300 | J-307 | 0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-77 | J-308 | J-300 | -0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| | 2 500 | - 500 | 0.51 | | | | |

| P-78 | J-314 | J-300 | 7.05 | 0.10 | 0.00 | 0.32 | 0.36 |
|------|-------|----------------|---------|------|------|------|------|
| ₽-79 | J-317 | J-314 | -0.94 | 0.02 | 0.00 | 0.10 | 0.06 |
| P-8 | J-80 | J-83 | 661.79 | 0.54 | 0.00 | 1.88 | 1.92 |
| P-80 | J-296 | J-327 | 22.09 | 0.87 | 0.00 | 0.56 | 0.75 |
| P-81 | J-328 | J-327 | -0.47 | 0.00 | 0.00 | 0.05 | 0.02 |
| P-82 | J-327 | J-335 | 19.74 | 0.08 | 0.00 | 0.50 | 0.60 |
| P-83 | J-335 | J-314 | 11.75 | 0.44 | 0.00 | 0.53 | 0.94 |
| P-84 | J-337 | J-335 | -0.47 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-85 | J-342 | J-295 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-86 | J-343 | J-356 | 4.70 | 0.11 | 0.00 | 0.12 | 0.04 |
| P-87 | J-356 | J-361 | 1.41 | 0.06 | 0.00 | 0.14 | 0.13 |
| P-88 | J-168 | J-368 | 133.01 | 0.70 | 0.00 | 0.54 | 0.24 |
| P-89 | J-369 | J-368 | -9.87 | 0.13 | 0.00 | 0.25 | 0.17 |
| P-9 | J-84 | J-82 | -5.47 | 0.00 | 0.00 | 0.06 | 0.01 |
| P-90 | J-373 | J-375 | -1.50 | 0.14 | 0.00 | 0.15 | 0.15 |
| P-91 | J-375 | J-369 | -1.97 | 0.01 | 0.00 | 0.20 | 0.25 |
| P-92 | J-375 | J-3 7 7 | 0.47 | 0.01 | 0.00 | 0.05 | 0.02 |
| P-93 | J-369 | J-382 | 4.61 | 0.15 | 0.00 | 0.21 | 0.17 |
| P-94 | J-383 | J-385 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-95 | J-295 | T-1 | 1577.46 | 0.40 | 0.00 | 3.29 | 4.53 |
| P-96 | J-373 | J-382 | -0.38 | 0.00 | 0.00 | 0.02 | 0.00 |
| P-97 | J-382 | J-385 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-98 | J-368 | J-227 | 122.67 | 0.23 | 0.00 | 0.50 | 0.21 |
| P-99 | J-228 | J-159 | 7.52 | 0.17 | 0.00 | 0.34 | 0.41 |

END NODE RESULTS

| NODE
NAME | NODE
TITLE | EXTERNAL HY | DRAULIC
GRADE
(ft) | NODE
ELEVATION
(ft) | (ft) | NODE
PRESSURE
(psi) |
|--------------|---------------|-------------|--------------------------|---------------------------|--------|---------------------------|
| J-1 | | 4.23(0.47) | 334.81 | 217.85 | 116.96 | 50.68 |
| J-10 | | 4.70(0.47) | 324.43 | 199.08 | 125.35 | 54.32 |
| J-102 | | 0.94(0.47) | | 190.00 | 171.71 | |
| J-107 | | 1.88(0.47) | 361.71 | | 174.76 | 75.73 |
| J-11 | | 4.70(0.47) | 325.78 | 211.96
212.83 | 113.82 | 49.32 |
| J-118 | | 5.64(0.47) | 361.81 | 212.83 | 148.98 | 64.56 |
| J-12 | | 4.70(0.47) | 325.93 | 218.95 | 106.98 | 46.36 |
| J-123 | | 0.94(0.47) | 373.90 | 220.00 | 153.90 | 66.69 |
| J-127 | | 9.40(0.47) | | | 171.43 | 74.29 |
| J-13 | | 4.70(0.47) | | | 101.56 | 44.01 |
| J-14 | | 4.70(0.47) | | 240.91 | 86.39 | 37.44 |
| J-141 | | 15.98(0.47) | | | 158.91 | |
| J-142 | | 6.58(0.47) | | | | 67.36 |
| J-143 | | 7.05(0.47) | | 190.00 | 169.77 | |
| J-144 | | 6.11(0.47) | | | 165.44 | 71.69 |
| J-145 | | 2.82(0.47) | | | | 73.52 |
| J-146 | | 20.68(0.47) | | | 152.29 | 65.99 |
| J-147 | | 0.00 | 361.82 | | 150.33 | 65.14 |
| J-15 | | 4.70(0.47) | | | | 43.07 |
| J-151 | | 19.74(0.47) | | | | 65.84 |
| J-152 | | 2.82(0.47) | | | | 72.94 |
| J-153 | | 19.74(0.47) | | | | 64.45 |
| J-154 | | 20.21(0.47) | | | 143.74 | 62.29 |
| J-157 | | 5.17(0.47) | | | 175.50 | 76.05 |
| J-159 | | 0.00 | 352.11 | | | 67.09 |
| J-16 | | 2.82(0.47) | | | | |
| J-160 | | 0.94(0.47) | | | 155.97 | 67.59 |
| J-161 | | 12.22(0.47) | | | 155.77 | 67.50 |
| J-168 | | 0.00 | 353.36 | | 160.94 | 69.74 |
| J-169 | | 5.17(0.47) | | | | 69.15 |
| J-17 | | 0.00 | 409.48 | | 111.96 | 48.52 |
| J-170 | | 0.47(0.47) | | | | 73.49 |
| J-171 | | 2.35(0.47) | | 204.49 | 150.88 | 65.38 |
| J-18 | | 0.00 | 373.42 | | 162.36 | 70.35 |
| J-182 | | 5.17(0.47) | | 181.76 | 173.79 | 75.31 |
| J-186 | | 4.70(0.47) | | 210.00 | 137.79 | 59.71 |
| J-19 | | 0.94(0.47) | | | 161.05 | 69.79 |
| J-191 | | 8.46(0.47) | | 204.06 | 143.28 | 62.09 |
| J-192 | | 1.88(0.47) | | | | 39.63 |
| J-2 | | 35.72(0.47) | 401.86 | 290.00 | 111.86 | 48.47 |

| J-20 | 0.00 | 373.42 | 220.00 | 153.42 | 66.48 |
|-------|-------------|--------|--------|--------|----------------|
| J-205 | 4.70(0.47) | 351.43 | 264.67 | 86.76 | 37.59 |
| J-21 | 2.82(0.47) | 324.82 | 220.98 | 103.84 | 45.00 |
| J-210 | 7.99(0.47) | | 207.47 | 139.90 | 60.62 |
| | | | | | |
| J-218 | 1.88(0.47) | | 217.91 | 133.23 | 57.73 |
| J-219 | 1.41(0.47) | 351.14 | 208.85 | 142.29 | 61.66 |
| J-22 | 2.82(0.47) | 324.37 | 203.68 | 120.69 | 52.30 |
| J-220 | 1.88(0.47) | 351.13 | 218.56 | 132.57 | 57.45 |
| J-222 | 4.70(0.47) | | 197.12 | 149.36 | 64.72 |
| J-223 | 2.82(0.47) | | | | |
| | | | 182.33 | 163.90 | 71.02 |
| J-224 | 5.64(0.47) | | 193.71 | 152.48 | 66.07 |
| J-225 | 1.88(0.47) | | 182.60 | 163.48 | 70.84 |
| J-226 | 6.58(0.47) | 346.11 | 193.14 | 152.97 | 66.29 |
| J-227 | 0.94(0.47) | 352.43 | 194.03 | 158.40 | 68.64 |
| J-228 | 0.94(0.47) | 352.28 | 208.55 | 143.73 | 62.28 |
| J-23 | 1.88(0.47) | | 182.32 | 142.19 | 61.61 |
| J-237 | 0.47(0.47) | | 179.72 | 166.39 | 72.10 |
| | | | | | |
| J-238 | 0.47(0.47) | | 178.80 | 167.30 | 72.50 |
| J-239 | 3.29(0.47) | | 205.67 | 141.96 | 61.52 |
| J-24 | 2.35(0.47) | 351.38 | 211.78 | 139.60 | 60.50 |
| J-242 | 1.88(0.47) | 347.51 | 189.61 | 157.90 | 68.43 |
| J-246 | 3.76(0.47) | 346.79 | 189.64 | 157.15 | 68.10 |
| J-25 | 2.35(0.47) | | 206.38 | 144.52 | 62.62 |
| J-259 | 6.11(0.47) | | 183.37 | 162.24 | 70.30 |
| | | | | | |
| J-26 | 2.35(0.47) | | 198.54 | 152.10 | 65.91 |
| J-260 | 1.41(0.47) | | 190.00 | 146.80 | 63.61 |
| J-264 | 0.94(0.47) | 336.78 | 181.79 | 154.99 | 67.16 |
| J-265 | 5.17(0.47) | 336.81 | 180.00 | 156.81 | 67.95 |
| J-27 | 2.35(0.47) | 350.46 | 180.00 | 170.46 | 73.86 |
| J-28 | 31.02(0.47) | | 208.62 | 148.63 | 64.41 |
| J-29 | 31.02(0.47) | | 250.00 | 101.63 | 44.04 |
| | 0.00 | | | | |
| J-295 | · | 380.40 | 356.45 | 23.95 | 10.38 |
| J-296 | 6.11(0.47) | | 180.00 | 156.82 | 67.95 |
| J-3 | 4.23(0.47) | 335.35 | 208.17 | 127.18 | 55. 1 1 |
| J-30 | 31.02(0.47) | 326.62 | 239.96 | 86.66 | 37.55 |
| J-300 | 5.17(0.47) | 335.33 | 180.00 | 155.33 | 67.31 |
| J-307 | 0.94(0.47) | | 180.00 | 155.31 | 67.30 |
| J-308 | 0.94(0.47) | | 180.00 | 155.31 | 67.30 |
| | | | | | |
| J-314 | 3.76(0.47) | | 180.00 | 155.42 | 67.35 |
| J-317 | 0.94(0.47) | | 180.00 | 155.41 | 67.34 |
| J-327 | 1.88(0.47) | | 184.68 | 151.26 | 65.55 |
| J-328 | 0.47(0.47) | 335.94 | 180.00 | 155.94 | 67.57 |
| J-335 | 7.52(0.47) | 335.86 | 183.16 | 152.70 | 66.17 |
| J-337 | 0.47(0.47) | 335.86 | 191.93 | 143.93 | 62.37 |
| J-342 | 0.00 | 380.40 | 354.29 | 26.11 | 11.31 |
| J-343 | 15.04(0.47) | | 194.91 | 144.97 | 62.82 |
| | | | | | 69.23 |
| J-356 | 3.29(0.47) | | 180.00 | 159.77 | |
| J-361 | 1.41(0.47) | | 180.00 | 159.71 | 69.21 |
| J-368 | 0.47(0.47) | 352.67 | 194.87 | 157.80 | 68.38 |
| J-369 | 3.29(0.47) | 352.54 | 190.00 | 162.54 | 70.43 |
| J-373 | 1.88(0.47) | 352.39 | 182.43 | 169.96 | 73.65 |
| J-375 | 0.00 | 352.53 | 190.00 | 162.53 | 70.43 |
| J-377 | 0.47(0.47) | 352.52 | 180.00 | 172.52 | 74.76 |
| | 4.23(0.47) | | | | 70.85 |
| J-382 | | | 188.90 | 163.49 | |
| J-383 | 0.00 | 352.39 | 180.00 | 172.39 | 74.70 |
| J-385 | 0.00 | 352.39 | 189.34 | 163.05 | 70.66 |
| J-391 | 0.00 | 352.06 | 176.55 | 175.51 | 76.05 |
| J-392 | 1.41(0.47) | 352.00 | 189.91 | 162.09 | 70.24 |
| J-4 | 3.76(0.47) | 335.55 | 224.83 | 110.72 | 47.98 |
| J-432 | 0.00 | 337.16 | 207.58 | 129.58 | 56.15 |
| J-440 | 1.88(0.47) | 324.79 | 196.32 | 128.47 | 55.67 |
| | | | | | |
| J-449 | 0.47(0.47) | 324.78 | 190.00 | 134.78 | 58.40 |
| J-450 | 4.23(0.47) | 325.25 | 223.98 | 101.27 | 43.88 |
| J-472 | 1.41(0.47) | 325.04 | 180.00 | 145.04 | 62.85 |
| J~473 | 0.00 | 325.98 | 239.54 | 86.44 | 37.46 |
| J-481 | 5.64(0.47) | 324.62 | 196.46 | 128.16 | 55.54 |
| J-499 | 1.41(0.47) | 324.47 | 174.14 | 150.33 | 65.14 |
| | 4.23(0.47) | 335.94 | 218.94 | 117.00 | 50.70 |
| J-5 | | | | | |
| J-506 | 6.58(0.47) | 324.40 | 184.61 | 139.79 | 60.58 |
| J-512 | 0.94(0.47) | 324.38 | 180.00 | 144.38 | 62.56 |
| J-513 | 0.94(0.47) | 324.95 | 216.01 | 108.94 | 47.21 |
| | | | | | |

| J-515 | 4.23(0.47) | 324.93 | 239.14 | 85.79 | 37.18 |
|------------------------|-------------|----------------|--------|----------------|-------|
| J-516 | 4.23(0.47) | 324.81 | 209.20 | | 50.10 |
| | | | | 115.61 | |
| J-518 | 0.94(0.47) | 324.78 | 186.61 | 138.17 | 59.87 |
| J-519 | 0.94(0.47) | 324.97 | 203.91 | 121.06 | 52.46 |
| J-522 | 2.82(0.47) | | 180.66 | 144.16 | |
| | | | | | 62.47 |
| J-523 | 0.47(0.47) | 324.79 | 176.34 | 148.45 | 64.33 |
| J-526 | 2.35(0.47) | 324.12 | 185.23 | 138.89 | 60.18 |
| J-527 | | 324.10 | | | |
| | | | 180.00 | 144.10 | 62.44 |
| J-529 | 0.00 | 373.89 | 220.00 | 153.89 | 66.69 |
| J-530 | 0.94(0.47) | 323.91 | 180.00 | 143.91 | 62.36 |
| | | | | | |
| J-532 | 0.94(0.47) | | 175.95 | 147.70 | 64.00 |
| J-533 | 0.94(0.47) | 324.02 | 179.56 | 144.46 | 62.60 |
| J-534 | 1.41(0.47) | 324.04 | 190.00 | 134.04 | 58.08 |
| | | | | | |
| J-539 | 1.88(0.47) | | 190.00 | 134.01 | 58.07 |
| J-542 | 0.00 | 325.03 | 208.96 | 116.07 | 50.30 |
| J-550 | 0.00 | 325.03 | 189.62 | 135.41 | 58.68 |
| | | | | | |
| J-580 | 0.00 | 346.53 | 208.84 | 137.69 | 59.66 |
| J-591 | 0.00 | 341.02 | 232.03 | 108.99 | 47.23 |
| J-592 | 0.00 | 340.63 | 227.95 | 112.68 | 48.83 |
| | | | | | |
| J-6 | 3.76(0.47) | 335.65 | 220.33 | 115.32 | 49.97 |
| J-601 | 6.58(0.47) | 339.31 | 200.00 | 139.31 | 60.37 |
| J-607 | 6.58(0.47) | 339.05 | 193.46 | 145.59 | 63.09 |
| | | | | | |
| J-608 | 0.00 | 339.01 | 200.86 | 138.15 | 59.87 |
| J-616 | 6.58(0.47) | 337.77 | 172.66 | 165.11 | 71.55 |
| J-62 | 24.91(0.47) | 365.31 | 195.66 | 169.65 | 73.51 |
| | | | | | |
| J-620 | 6.58(0.47) | 338.35 | 200.00 | 138.35 | 59.95 |
| J-626 | 6.58(0.47) | 336.72 | 180.00 | 156.72 | 67.91 |
| J-639 | | 335.47 | 181.25 | 154.22 | 66.83 |
| | | | | | |
| J-648 | 6.58(0.47) | 335.03 | 186.13 | 148.90 | 64.53 |
| J-667 | 0.00 | 370.66 | 180.00 | 190.66 | 82.62 |
| J-686 | 8.93(0.47) | 368.35 | 190.00 | 178.35 | 77.28 |
| | • | | | | |
| J-69 | 17.86(0.47) | 361.85 | 195.43 | 166.42 | 72.11 |
| J-698 | 0.00 | 370.66 | 200.00 | 170.66 | 73.95 |
| J-699 | 0.00 | 370.66 | 200.00 | 170.66 | 73.95 |
| | | | | | |
| J-7 | 2.35(0.47) | 330.73 | 199.95 | 130.78 | 56.67 |
| J-706 | 0.00 | 370.66 | 203.52 | 167.14 | 72.43 |
| J-710 | 0.00 | 351.85 | 217.47 | 134.38 | 58.23 |
| | | | | | |
| J -7 4 3 | 2.35(0.47) | 350.42 | 180.00 | 170.42 | 73.85 |
| J-747 | 0.00 | 324.80 | 210.67 | 114.13 | 49.46 |
| J-756 | 0.94(0.47) | 324 48 | 176.92 | 147.56 | 63.94 |
| | | | | | |
| J-76 | 1.41(0.47) | 361.71 | 183.45 | 178.26 | 77.25 |
| J -760 | 0.00 | 325.16 | 230.18 | 94.98 | 41.16 |
| J-77 | 3.29(0.47) | 361.68 | 180.00 | 181.68 | 78.73 |
| | | | | | |
| J-770 | 0.00 | 325.09 | 220.53 | 104.56 | 45.31 |
| J-775 | 2.35(0.47) | 324.37 | 175.77 | 148.60 | 64.40 |
| J-781 | 2.35(0.47) | 324.30 | 178.50 | 145.80 | 63.18 |
| | | | | 95.78 | 41.50 |
| J-787 | 0.00 | 325.78 | 230.00 | | |
| J-8 | 1.88(0.47) | 331.10 | 205.49 | 125.61 | 54.43 |
| J-80 | 18.80(0.47) | 363.24 | 210.00 | 153.24 | 66.41 |
| J-811 | 4.70(0.47) | 326.87 | 240.00 | 86.87 | 37.64 |
| | | | | | |
| J-815 | 4.23(0.47) | 324.00 | 182.04 | 141.96 | 61.52 |
| J-816 | 0.00 | 332.22 | 200.00 | 132.22 | 57.29 |
| J-82 | 23.03(0.47) | 361.84 | 220.00 | 141.84 | 61.47 |
| | | | | | |
| J-820 | 2.35(0.47) | 330.67 | 192.47 | 138.20 | 59.89 |
| J-821 | 0.00 | 336.80 | 205.88 | 130.92 | 56.73 |
| J-822 | 0.00 | 334.83 | 205.78 | 129.05 | 55.92 |
| | | | | | |
| J-83 | 21.15(0.47) | 362.70 | 210.00 | 152.70 | 66.17 |
| J-837 | 3.76(0.47) | 334.87 | 218.45 | 116.42 | 50.45 |
| J-84 | 24.44(0.47) | 361.84 | 220.00 | 141.84 | 61.46 |
| J-849 | 3.76(0.47) | 334.81 | 190.68 | 144.13 | 62.46 |
| | | | | | |
| J-850 | 0.00 | 336.55 | 206.32 | 130.23 | 56.43 |
| J-851 | 0.00 | 335.55 | 206.78 | 128.77 | 55.80 |
| J-866 | 31.02(0.47) | 328.42 | 222.62 | 105.80 | 45.85 |
| | | | | | |
| J-89 | 7.05(0.47) | 361.7 1 | 190.00 | 171.7 1 | 74.41 |
| J-9 | 2.35(0.47) | 331.65 | 201.84 | 129.81 | 56.25 |
| J-93 | 20.21(0.47) | 363.90 | 210.00 | 153.90 | 66.69 |
| | | | | | |
| J-96 | 0.00 | 373.42 | 220.00 | 153.42 | 66.48 |
| J-98 | 16.45(0.47) | 361.85 | 214.41 | 147.44 | 63.89 |
| R-1 | | 410.00 | 335.39 | 74.61 | 32.33 |
| | - | | | | |
| R-2 | | 410.00 | 291.44 | 118.56 | 51.38 |
| T-1 | | 380.00 | 360.00 | 20.00 | 8.67 |
| | | | | | |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| J-667 | 82.62 | T-1 | 8.67 |
| J-77 | 78.73 | J-295 | 10.38 |
| J-686 | 77.28 | J-342 | 11.31 |
| J-76 | 77.25 | R-1 | 32.33 |
| J-391 | 76.05 | J-515 | 37.18 |
| J-157 | 76.05 | J-14 | 37.44 |
| J-107 | 75.73 | J-473 | 37.46 |
| J-182 | 75.31 | J-30 | 37.55 |
| J-377 | 74.76 | J-205 | 37.59 |
| J-383 | 74.70 | J-811 | 37.64 |
| J-89 | 74.41 | J-192 | 39.63 |
| J-102 | 74.41 | J-760 | 41.16 |
| J-127 | 74.29 | J-787 | 41.50 |
| J-698 | 73.95 | J-15 | 43.07 |
| J-699 | 73.95 | J-450 | 43.88 |
| J-27 | 73.86 | J-13 | 44.01 |
| J-743 | 73.85 | J-29 | 44.04 |
| J-373 | 73.65 | J-21 | 45.00 |
| J-143 | 73.57 | J-770 | 45.31 |
| J-145 | 73.52 | J-866 | 45.85 |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-74 | 3.36 | P-159 | 0.00 |
| P-136 | 3.29 | P-35 | 0.01 |
| P-95 | 3.29 | P-21 | 0.01 |
| P-53 | 2.71 | P-96 | 0.02 |
| P-3 | 2.29 | P-44 | 0.02 |
| P-12 | 2.16 | P-16 | 0.02 |
| P-14 | 2.01 | P-65 | 0.02 |
| P-169 | 1.95 | P-84 | 0.02 |
| P-168 | 1.94 | P-11 | 0.02 |
| P-163 | 1.94 | P-170 | 0.03 |
| P-129 | 1.91 | P-105 | 0.05 |
| P-8 | 1.88 | P-66 | 0.05 |
| P-171 | 1.83 | P-81 | 0.05 |
| P-102 | 1.71 | P-92 | 0.05 |
| P-24 | 1.68 | P-164 | 0.05 |
| P-33 | 1.64 | P-73 | 0.06 |
| P-130 | 1.62 | P-9 | 0.06 |
| P-37 | 1.54 | P-57 | 0.06 |
| P-103 | 1.49 | P-31 | 0.07 |
| P-40 | 1.47 | P-22 | 0.07 |

HL / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-74 | 4.72 | P-159 | 0.00 |
| P-169 | 4.62 | P-35 | 0.00 |
| P-168 | 4.59 | P-21 | 0.00 |
| P-163 | 4.56 | P-16 | 0.00 |
| P-136 | 4.53 | P-96 | 0.00 |

| P-95 | 4.53 | P-11 | 0.00 |
|-------|------|-------|------|
| P-171 | 4.13 | P-44 | 0.00 |
| P-160 | 4.07 | P-65 | 0.00 |
| P-161 | 4.07 | P-84 | 0.00 |
| P-52 | 3.48 | P-170 | 0.00 |
| P-55 | 3.31 | P-9 | 0.01 |
| P-129 | 3.19 | P-22 | 0.01 |
| P-53 | 3.17 | P-73 | 0.01 |
| P-59 | 3.14 | P-164 | 0.01 |
| P-131 | 2.91 | P-31 | 0.01 |
| P-132 | 2.91 | P-75 | 0.01 |
| P-3 | 2.77 | P-15 | 0.01 |
| P-29 | 2.63 | P-105 | 0.02 |
| P-4 | 2.52 | P-66 | 0.02 |
| P-12 | 2.50 | P-81 | 0.02 |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| NODE
NAME | FLOWRATE
(gpm) | NODE
TITLE | |
|-------------------|------------------------------|---------------|--|
| R-1
R-2
T-1 | 311.64
1301.54
-759.19 | | |
| T SVSTEM INE | Ω¥ = 1613.1± | 3 | |

NET SYSTEM INFLOW = 1613.18 NET SYSTEM OUTFLOW = -759.19 NET SYSTEM DEMAND = 853.99

University of Kentucky Network Modeling Software

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INPUT DATA FILENAME ------ C:\JENNIF-1\JULYMO-1\EL_CAM-2.DT2
TABULATED OUTPUT FILENAME ----- C:\JENNIF-1\JULYMO-1\EL_CAM-2.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF-1\JULYMO-1\EL_CAM-2.RS2

$\begin{smallmatrix} U & N & I & T & S \\ \end{smallmatrix} \quad \begin{array}{c} S & P & E & C & I & F & I & E & D \\ \end{smallmatrix}$

FLOWRATE = gallons/minute

HEAD (HGL) = feet
PRESSURE = psig

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE | NOD | E NAMES | LENGTH | | ROUGHNESS | MINOR |
|--------------|--------|---------|---------|------|-----------|-------------|
| NAME | #1 | #2 | (ft) | (in) | COEFF. | LOSS COEFF. |
| P-1 | J-2 | J-14 | 11.61 | 4.00 | 100.0000 | 0.00 |
| P-10 | J-47 | J-59 | 691.45 | | 100.0000 | 0.00 |
| P-11 | J-6 | J-17 | 152.39 | 4.00 | 100.0000 | 0.00 |
| P-12 | J-61 | J-68 | 310.80 | 3.00 | 100.0000 | 0.00 |
| P-13 | J-61 | J-70 | 766.88 | 3.00 | 100.0000 | 0.00 |
| P-14 | J-59 | J-15 | 352.90 | 3.00 | 100.0000 | 0.00 |
| P-15 | J-15 | J-1 | 159.31 | 3.00 | 100.0000 | 0.00 |
| P-16 | J-78 | J-16 | 219.65 | 2.00 | 100.0000 | 0.00 |
| P-17 | J-59 | J-70 | 338.24 | 3.00 | 100.0000 | 0.00 |
| P-18 | J-70 | J-93 | 717.42 | 2.00 | 100.0000 | 0.00 |
| P-19 | J-93 | J-98 | 264.22 | | 100.0000 | 0.00 |
| P-2 | J-4 | J-8 | 386.65 | | 100.0000 | 0.00 |
| P-20 | J-1 | J-78 | 1029.97 | | 100.0000 | 0.00 |
| P-21 | J-3 | J-17 | 617.87 | 3.00 | 100.0000 | 0.00 |
| P-22 | J-5 | J-47 | 869.73 | | 100.0000 | 0.00 |
| P-23 | J-6 | J-61 | 184.75 | | 100.0000 | 0.00 |
| P-24-XX | J-7 | J-20 | 353.35 | | 100.0000 | 0.00 |
| P-25-XX | J-7 | Pump-1 | 17.29 | | 100.0000 | 0.00 |
| P-26-XX | J-7 | Pump-2 | 15.48 | | 100.0000 | 0.00 |
| P-27-XX | J-11 | T-1 | 17.24 | | 100.0000 | 0.00 |
| P-28-XX | J-11 | T-2 | 18.26 | | 100.0000 | 0.00 |
| P-29-XX | J-9 | T-2 | 13.89 | | 100.0000 | 0.00 |
| P-3 | J-8 | J-3 | 300.21 | 3.00 | 100.0000 | 0.00 |
| P-30-XX | J-9 | R-1 | 246.29 | 3.00 | 100.0000 | 0.00 |
| P-31-XX | T-1 | J-9 | 13.73 | 3.00 | 100.0000 | 0.00 |
| P-32-XX | Pump-1 | J-11 | 16.34 | 3.00 | 100.0000 | 0.00 |
| P-33-XX | Pump-2 | J-11 | 16.34 | 3.00 | 100.0000 | 0.00 |
| P-34 | J-13 | T-4 | 18.00 | 3.00 | 100.0000 | 0.00 |
| P-35 | T-3 | J-13 | 18.00 | 3.00 | 100.0000 | 0.00 |
| P-36-XX | T-3 | J-20 | 15.96 | 3.00 | 100.0000 | 0.00 |
| P-37-XX | T-4 | J-20 | 17.02 | 3.00 | 100.0000 | 0.00 |
| P-38 | J-15 | J-18 | 718.28 | 2.00 | 100.0000 | 0.00 |
| P-36
P-39 | J-13 | Pump-3 | 12.02 | 3.00 | 100.0000 | 0.00 |
| P-4 | J-17 | J-2 | 139.42 | 4.00 | 100.0000 | 0.00 |
| P-40 | J-13 | Pump-4 | 13.21 | 3.00 | 100.0000 | 0.00 |
| P-41 | Pump-3 | J-12 | 13.21 | 3.00 | 100.0000 | 0.00 |
| F-41 | բատը-3 | 0-12 | 13.30 | 3.00 | 100.000 | 0.00 |

| P-42 | Pump-4 | J-12 | 14.30 | 3.00 | 100.0000 | 0.00 |
|------|--------|------|--------|------|----------|------|
| P-43 | J-14 | J-4 | 135.10 | 4.00 | 100.0000 | 0.00 |
| P-44 | J-14 | J-12 | 9.11 | 3.00 | 100.0000 | 0.00 |
| P-45 | J-16 | J-19 | 175.65 | 1.00 | 100.0000 | 0.00 |
| P-5 | J-8 | J-25 | 796.34 | 3.00 | 100.0000 | 0.00 |
| P-6 | J-25 | J-27 | 493.15 | 2.00 | 100.0000 | 0.00 |
| P-7 | J-27 | J-32 | 232.13 | 1.00 | 100.0000 | 0.00 |
| P-8 | J-25 | J-5 | 653.61 | 3.00 | 100.0000 | 0.00 |
| P-9 | J-47 | J-4 | 302.38 | 4.00 | 100.0000 | 0.00 |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|-----------------|
| (ft) | (gpm) | (%) |
| 250.00 | 0.00 | 75.00 (Default) |
| 200.00 | 150.00 | 75.00 (Default) |
| 110.00 | 225.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) | | |
|--------------|-------------------|-------------------|--|--|
| 250.00 | 0.00 | 75.00 (Default) | | |
| 200.00 | 150.00 | 75.00 (Default) | | |
| 110.00 | 225.00 | 75.00 (Default) | | |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-3 DESCRIBED BY THE' FOLLOWING DATA: (ID= 2)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 50.00 | 1.00 |
| 120.00 | 75.00 | 1.00 |

THERE IS A DEVICE AT NODE Pump-4 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD | FLOWRATE | EFFICIENCY |
|--------|----------|------------|
| (ft) | (gpm) | (%) |
| | | |
| 258.46 | 0.00 | 1.00 |
| 184.62 | 50.00 | 1.00 |
| 120.00 | 75.00 | 1.00 |

END NODE DATA

| node
name | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|--------------|---------------|-----------------------------|-------------------------------|---------------------------|
| J-1 | | 16.00 | 192.00 | |
| J-11 | | 0.00 | 183.00 | |
| J-12 | | 0.00 | 190.00 | |
| J-13 | | 0.00 | 190.00 | |
| J-14 | | 0.00 | 189.00 | |
| J-15 | | 0.00 | 190.00 | |
| J-16 | | 3.00 | 185.00 | |
| J-17 | | 13.00 | 182.00 | |
| J-18 | | 6.00 | 187.00 | |
| J-19 | | 2.00 | 180.00 | |
| | | | | |

```
190.00
0.00
185.00
182.00
  J-2
                          0.00
 J-20
                          0.00
 J-25
                         15.00
 J-27
                          4.00
                                     182.00
  J-3
                          5.00
                                    185.00
 J-32
                          0.00
                                    180.00
                                    194.00
183.00
  J-4
                         14.00
 J-47
                         17.00
                                    182.00
  J-5
                         6.00
                                   206.00
 J-59
                          9.00
  J-6
                          0.00
                                     183.00
                                    184.00
                         16.00
 J-61
 J-68
                         5.00
                                    181.00
                                    183.00
198.00
  J-7
                          0.00
 J-70
                         14.00
 J-78
                                    185.00
                         6.00
                                    194.00
  J-8
                         10.00
  J-9
                          0.00
                                     183.00
                                    186.00
 J-93
                          3.00
 J-98
                          3.00
                                    183.00
                                    183.00
183.00
                          0.00
Pump-1
Pump-2
                          0.00
                                    190.00
Pump-3
                          0.00
                                   190.00
Pump-4
                          0.00
                                    183.00
183.00
  R-1
                                                    200.00
                                                  195.00
                          ----
  T-1
                                183.00
190.00
190.00
  T-2
                          ----
                                                  195.00
  T-3
                          ----
                                                   214.00
                                                  214.00
  T-4
                           ----
```

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT

MAXIMUM AND MINIMUM PRESSURES = 10
MAXIMUM AND MINIMUM VELOCITIES = 10
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 10

SYSTEM CONFIGURATION

 NUMBER OF PIPES
 (p) = 45

 NUMBER OF END NODES
 (j) = 34

 NUMBER OF PRIMARY LOOPS
 (l) = 7

 NUMBER OF SUPPLY NODES
 (f) = 5

 NUMBER OF SUPPLY ZONES
 (z) = 1

CHANGES FOR NEXT SIMULATION (Change Number = 3)

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

*** WARNING ***

DUE TO SPECIFIED DEMANDS THE PUMP IN LINE ~@Pump-2 IS FORCED TO OPERATE AT ZERO FLOW. THIS MAY CAUSE PROBLEMS CALCULATING THE HGLs IN THE VICINITY OF THE PUMP. TRY CLOSING LINE ~@Pump-2 AND RERUN THE SIMULATION.

RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00000

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE | NODE | NUMBERS | FLOWRATE | HEAD | MINOR | LINE | HL/ |
|---------|--------|--------------|----------|------|-------|-------|---------|
| NAME | #1 | #2 | | LOSS | LOSS | VELO. | 1000 |
| | | | (gpm) | (ft) | (ft) | | (ft/ft) |
| ***** | | | | | | | |
| P-1 | J-2 | J-14 | -66.26 | 0.07 | 0.00 | 1.69 | 5.70 |
| P-10 | J-47 | J-59 | 27.00 | 3.03 | 0.00 | 1.23 | 4.39 |
| P-11 | J-6 | J-17 | -43.72 | 0.40 | 0.00 | 1.12 | 2.64 |
| P-12 | J-61 | J-68 | 4.26 | 0.04 | 0.00 | 0.19 | 0.14 |
| P-13 | J-61 | J-70 | 25.82 | 3.10 | 0.00 | 1.17 | 4.04 |
| P-14 | J-59 | J-15 | 28.12 | 1.67 | 0.00 | 1.28 | 4.73 |
| P-15 | J-15 | J-1 | 23.00 | 0.52 | 0.00 | 1.04 | 3.26 |
| P-16 | J-78 | J-16 | 4.26 | 0.23 | 0.00 | 0.44 | 1.03 |
| P-17 | J-59 | J-70 | -8.78 | 0.19 | 0.00 | 0.40 | 0.55 |
| P-18 | J-70 | J-93 | 5.11 | 1.04 | 0.00 | 0.52 | 1.45 |
| P-19 | J-93 | J-98 | 2.56 | 0.11 | 0.00 | 0.26 | 0.40 |
| P-2 | J-4 | J-8 | 14.51 | 0.54 | 0.00 | 0.66 | 1.39 |
| P-20 | J-1 | J-78 | 9.37 | 4.59 | 0.00 | 0.96 | 4.45 |
| P-21 | J-3 | J-17 | -11.47 | 0.56 | 0.00 | 0.52 | 0.90 |
| P-22 | J-5 | J-47 | -8.10 | 0.41 | 0.00 | 0.37 | 0.47 |
| P-23 | J-6 | J -61 | 43.72 | 0.49 | 0.00 | 1.12 | 2.64 |
| P-24 | J-7 | J-20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-25 | J~7 | Pump-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-26 | J-7 | Pump-2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-27 | J-11 | T-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-28-XX | J-11 | T-2 | | | | | |
| P-29-XX | J-9 | T-2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-3 | J-8 | J-3 | -7.21 | 0.11 | 0.00 | 0.33 | 0.38 |
| P-30-XX | J-9 | R-1 | | | | | |
| P-31-XX | T-1 | J-9 | | | | | |
| P-32-XX | Pump-1 | J-11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-33-XX | Pump-2 | J-11 | | | | | |
| P-34 | J-13 | T - 4 | -71.14 | 0.47 | 0.00 | 3.23 | 26.38 |
| P-35 | T-3 | J-13 | 71.14 | 0.47 | 0.00 | 3.23 | 26.38 |
| P-36-XX | T-3 | J-20 | | | | | |
| P-37-XX | T-4 | J-20 | | | | | |
| P-38 | J-15 | J-18 | 5.11 | 1.04 | 0.00 | 0.52 | 1.45 |
| P-39 | J-13 | Pump-3 | 71.15 | 0.32 | 0.00 | 3.23 | 26.39 |
| P-4 | J-17 | J-2 | -66.26 | 0.79 | 0.00 | 1.69 | 5.70 |
| P-40 | J-13 | Pump-4 | 71.13 | 0.35 | 0.00 | 3.23 | 26.38 |
| P-41 | Pump-3 | J-12 | 71.15 | 0.37 | 0.00 | 3.23 | 26.39 |
| P-42 | Pump-4 | J-12 | 71.13 | 0.38 | 0.00 | 3.23 | 26.38 |
| P-43 | J-14 | J-4 | 76.02 | 0.99 | 0.00 | 1.94 | 7.35 |
| P-44 | J-14 | J-12 | -142.28 | 0.87 | 0.00 | 6.46 | 95.24 |
| P-45 | J-16 | J-19 | 1.70 | 0.97 | 0.00 | 0.70 | 5.54 |
| P-5 | J-8 | J-25 | 13.20 | 0.93 | 0.00 | 0.60 | 1.17 |
| P-6 | J-25 | J-27 | 3.41 | 0.34 | 0.00 | 0.35 | 0.68 |
| P-7 | J-27 | J-32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-8 | J-25 | J-5 | -2.99 | 0.05 | 0.00 | 0.14 | 0.07 |
| P-9 | J-47 | J-4 | -49.58 | 1.01 | 0.00 | 1.27 | 3.33 |
| | | | | | | | |

PUMP/LOSS ELEMENT RESULTS

| NA | ME | FLOWRATE | INLET
HEAD
(ft) | OUTLET
HEAD
(ft) | HEAD
CHANGE
(ft) | EFFIC-
ENCY
(%) | USEFUL
POWER
(Hp) | INCREMTL
COST
(\$) | TOTAL
COST
(\$) |
|-----|-----------|----------|-----------------------|------------------------|------------------------|-----------------------|-------------------------|--------------------------|-----------------------|
| Pum | p-1 | 0.00 | 12.00 | 214.50 | 202.5 | | | | |
| Pum | ip-2 | 0.00 | 13.51 | 216.01 | 202.5 | | | | |
| Pum | -
np-3 | 71.15 | 23.21 | 154.07 | 130.9 | | | | |
| Pum | p-4 | 71.13 | 23.18 | 154.08 | 130.9 | | | | |

END NODE RESULTS

| NODE
NAME | NODE
TITLE | EXTERNAL
DEMAND
(gpm) | HYDRAULIC
GRADE
(ft) | NODE
ELEVATION
(ft) | PRESSURE
HEAD
(ft) | NODE
PRESSURE
(psi) |
|--------------|---------------|-----------------------------|----------------------------|---------------------------|--------------------------|---------------------------|
| | | | | | | |
| J-1
J-11 | | 0.00 | 5) 335.62 | 192.00 | 143.62 | 62.23 |
| J-11
J-12 | | 0.00 | 195.00
343.70 | 183.00 | 12.00 | 5.20 |
| J-12
J-13 | | 0.00 | 213.53 | 190.00 | 153.70
23.53 | 66.61 |
| J-13
J-14 | | 0.00 | 342.84 | 190.00 | 153.84 | 10.19 |
| J-15 | | 0.00 | 336.14 | 189.00
190.00 | 146.14 | 66.66 |
| J-16 | | | 5) 330.80 | 185.00 | 145.14 | 63.33
63.18 |
| J-17 | | 11.08(0.8 | • | 182.00 | 159.98 | 69.32 |
| J-18 | | | 5) 335.09 | 187.00 | 148.09 | 64.17 |
| J-19 | | • | 5) 329.83 | 180.00 | 149.83 | 64.17 |
| J-2 | | 0.00 | 342.77 | 190.00 | 152.77 | 66.20 |
| J-20 | | 0.00 | 399.01 | 150.00 | 132.77 | 00.20 |
| J-25 | | 12.78(0.8 | | 185.00 | 155.38 | 67.33 |
| J-27 | | | 5) 340.04 | 182.00 | 158.04 | 68.48 |
| J-3 | | | 5) 341.42 | 185.00 | 156.42 | 67.78 |
| J-32 | | 0.00 | 340.04 | 180.00 | 160.04 | 69.35 |
| J-4 | | 11.93(0.8 | | 194.00 | | 64.07 |
| J-47 | | 14.48(0.8 | - | 183.00 | | 68.40 |
| J-5 | | | 5) 340.43 | 182.00 | 158.43 | 68.65 |
| J-59 | | • | 5) 337.80 | 206.00 | 131.80 | 57.11 |
| J-6 | | 0.00 | 341.57 | 183.00 | 158.57 | 68.72 |
| J-61 | | | 5) 341.09 | 184.00 | 157.09 | 68.07 |
| J-68 | | | 5) 341.04 | 181.00 | 160.04 | 69.35 |
| J-7 | | 0.00 | 399.01 | 183.00 | 216.01 | 93.60 |
| J-70 | | 11.93(0.8 | 5) 337.99 | 198.00 | 139.99 | 60.66 |
| J-78 | | 5.11(0.8 | 5) 331.03 | 185.00 | 146.03 | 63.28 |
| J-8 | | 8.52(0.8 | 5) 341.31 | 194.00 | 147.31 | 63.83 |
| J-9 | | 0.00 | 195.00 | 183.00 | 12.00 | 5.20 |
| J-93 | | 2.56(0.8 | 5) 336.95 | 186.00 | 150.95 | 65.41 |
| J-98 | | 2.56(0.8 | 5) 336.84 | 183.00 | 153.84 | 66.67 |
| Pump-1 | | 0.00 | 397.50 | 183.00 | 214.50 | 92.95 |
| Pump-2 | | 0.00 | 196.51 | 183.00 | 13.51 | 5.85 |
| Pump-3 | | 0.00 | 213.21 | 190.00 | 23.21 | 10.06 |
| Pump-4 | | 0.00 | 213.18 | 190.00 | 23.18 | 10.04 |
| R-1 | | | 200.00 | 183.00 | 17.00 | 7.37 |
| T-1 | | | 195.00 | 183.00 | 12.00 | 5.20 |
| T-2 | | | 195.00 | 183.00 | 12.00 | 5.20 |
| T-3 | | | 214.00 | 190.00 | 24.00 | 10.40 |
| T-4 | | | 214.00 | 190.00 | 24.00 | 10.40 |
| Pump-1 | | 0.00 | 195.00 | 183.00 | 12.00 | 5.20 |
| Pump-2 | | 0.00 | 399.01 | 183.00 | 216.01 | 93.60 |
| Pump-3 | | 0.00 | 344.07 | 190.00 | 154.07 | 66.76 |
| Pump-4 | | 0.00 | 344.08 | 190.00 | 154.08 | 66.77 |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| J-7 | 93.60 | J-11 | 5.20 |
| Pump-2 | 93.60 | J-9 | 5.20 |
| Pump-1 | 92.95 | T-1 | 5.20 |
| J-68 | 69.35 | T-2 | 5.20 |
| J-32 | 69.35 | Pump-1 | 5.20 |
| J-17 | 69.32 | Pump-2 | 5.85 |
| J-6 | 68.72 | R-1 | 7.37 |
| J~5 | 68.65 | Pump-4 | 10.04 |
| J-27 | 68.48 | Pump-3 | 10.06 |
| J-47 | 68.40 | J-13 | 10.19 |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-44 | 6.46 | P-8 | 0.14 |
| P-39 | 3.23 | P-12 | 0.19 |
| P-41 | 3.23 | P-19 | 0.26 |
| P-35 | 3.23 | P-3 | 0.33 |
| P-34 | 3.23 | P-6 | 0.35 |
| P-40 | 3.23 | P-22 | 0.37 |
| P-42 | 3.23 | P-17 | 0.40 |
| P-43 | 1.94 | P-16 | 0.44 |
| P-1 | 1.69 | P-21 | 0.52 |
| P-4 | 1.69 | P-18 | 0.52 |
| | | | |

нь / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-44 | 95.24 | P-8 | 0.07 |
| P-39 | 26.39 | P-12 | 0.14 |
| P-41 | 26.39 | P-3 | 0.38 |
| P-35 | 26.38 | P-19 | 0.40 |
| P-34 | 26.38 | P-22 | 0.47 |
| P-40 | 26.38 | P-17 | 0.55 |
| P-42 | 26.38 | P-6 | 0.68 |
| P-43 | 7.35 | P-21 | 0.90 |
| P-1 | 5.70 | P-16 | 1.03 |
| P-4 | 5.70 | P-5 | 1.17 |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES
- (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| NODE F
NAME | | OWRATE
Jpm) | NODE
TITLE |
|----------------|----------|----------------|---------------|
| R-1 | | 0.00 | |
| T-1 | | 0.00 | |
| T-2 | | 0.00 | |
| T-3 | | 71.14 | |
| T-4 | | 71.14 | |
| | | | |
| NET SYSTEM I | NFLOW = | 142.28 | |
| NET SYSTEM O | UTFLOW = | 0.00 | |
| NET SYSTEM D | EMAND = | 142.28 | |

**** HYDRAULIC ANALYSIS COMPLETED *****

University of Kentucky Network Modeling Software

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INPUT DATA FILENAME ------ C:\JENNIF~1\JULYMO~1\EL_CAM~3.DT2
TABULATED OUTPUT FILENAME ------ C:\JENNIF~1\JULYMO~1\EL_CAM~3.OT2
POSTPROCESSOR RESULTS FILENAME --- C:\JENNIF~1\JULYMO~1\EL_CAM~3.RS2

UNITS SPECIFIED

FLOWRATE = gallons/minute

HEAD (HGL) = feet
PRESSURE = psig

PIPELINE DATA

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE | NOD | E NAMES | LENGTH | DIAMETER | ROUGHNESS | MINOR |
|---------|--------|--------------|---------|----------|-----------|-------------|
| NAME | #1 | #2 | (ft) | (in) | COEFF. | LOSS COEFF. |
| | J-2 | T 14 | 11 61 | 6.00 | 100 0000 | 0.00 |
| P-1 | | J-14
J-59 | 11.61 | | 100.0000 | 0.00 |
| P-10 | J-47 | | 691.45 | 3.00 | 100.0000 | 0.00 |
| P-11 | J-6 | J-17 | 152.39 | 4.00 | 100.0000 | 0.00 |
| P-12 | J-61 | J-68 | 310.80 | | 100.0000 | 0.00 |
| P-13 | J-61 | J-70 | 766.88 | | 100.0000 | 0.00 |
| P-14 | J-59 | J-15 | 352.90 | | 100.0000 | 0.00 |
| P-15 | J-15 | J-1 | 159.31 | | 100.0000 | 0.00 |
| P-16 | J-78 | J-16 | 219.65 | | 100.0000 | 0.00 |
| P-17 | J-59 | J-70 | 338.24 | | 100.0000 | 0.00 |
| P-18 | J-70 | J-93 | 717.42 | | 100.0000 | 0.00 |
| P-19 | J-93 | J-98 | 264.22 | | 100.0000 | 0.00 |
| P-2 | J-4 | J-8 | 386.65 | | 100.0000 | 0.00 |
| P-20 | J-1 | J-78 | 1029.97 | | 100.0000 | 0.00 |
| P-21 | J-3 | J-17 | 617.87 | | 100.0000 | 0.00 |
| P-22 | J-5 | J-47 | 869.73 | 3.00 | 100.0000 | 0.00 |
| P-23 | J-6 | J-61 | 184.75 | 4.00 | 100.0000 | 0.00 |
| P-24-XX | J-7 | J-20 | 353.35 | 3.00 | 100.0000 | 0.00 |
| P-25-XX | J-7 | Pump-1 | 17.29 | 3.00 | 100.0000 | 0.00 |
| P-26-XX | J-7 | Pump-2 | 15.48 | 3.00 | 100.0000 | 0.00 |
| P-27-XX | J-11 | T-1 | 17.24 | 3.00 | 100.0000 | 0.00 |
| P-28-XX | J-11 | T-2 | 18.26 | 3.00 | 100.0000 | 0.00 |
| P-29-XX | J-9 | T-2 | 13.89 | 3.00 | 100.0000 | 0.00 |
| P-3 | J-8 | J-3 | 300.21 | 3.00 | 100.0000 | 0.00 |
| P-30-XX | J-9 | R-1 | 246.29 | 3.00 | 100.0000 | 0.00 |
| P-31-XX | T-1 | J-9 | 13.73 | 3.00 | 100.0000 | 0.00 |
| P-32-XX | Pump-1 | J-11 | 16.34 | 3.00 | 100.0000 | 0.00 |
| P-33-XX | Pump-2 | J-11 | 16.34 | 3.00 | 100.0000 | 0.00 |
| P-34 | J-13 | T-4 | 18.00 | 6.00 | 100.0000 | 0.00 |
| P-35 | T-3 | J-13 | 18.00 | 6.00 | 100.0000 | 0.00 |
| P-36-XX | T-3 | J-20 | 15.96 | 3.00 | 100.0000 | 0.00 |
| P-37-XX | T-4 | J-20 | 17.02 | 3.00 | 100.0000 | 0.00 |
| P-38 | J-15 | J-18 | 718.28 | 2.00 | 100.0000 | 0.00 |
| P-39 | J-13 | Pump-3 | 12.02 | | 100.0000 | 0.00 |
| P-4 | J-17 | J-2 | 139.42 | 6.00 | 100.0000 | 0.00 |
| | | , L | | 5.50 | | 0.00 |

| P-40 | J-13 | Pump-4 | 13.21 | 6.00 | 100.0000 | 0.00 |
|------|--------|--------------|--------|------|----------|------|
| P-41 | Pump-3 | J-12 | 13.98 | 6.00 | 100.0000 | 0.00 |
| P-42 | Pump-4 | J-12 | 14.30 | 6.00 | 100.0000 | 0.00 |
| P-43 | J-14 | J-4 | 135.10 | 6.00 | 100.0000 | 0.00 |
| P-44 | J-14 | J-12 | 9.11 | 6.00 | 100.0000 | 0.00 |
| P-45 | J-16 | J-19 | 175.65 | 2.00 | 100.0000 | 0.00 |
| P-5 | J-8 | J-25 | 796.34 | 3.00 | 100.0000 | 0.00 |
| P-6 | J-25 | J-27 | 493.15 | 2.00 | 100.0000 | 0.00 |
| P-7 | J-27 | J -32 | 232.13 | 1.00 | 100.0000 | 0.00 |
| P-8 | J-25 | J-5 | 653.61 | 3.00 | 100.0000 | 0.00 |
| P-9 | J-47 | J-4 | 302.38 | 4.00 | 100.0000 | 0.00 |

PUMP/LOSS ELEMENT DATA

THERE IS A DEVICE AT NODE Pump-1 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|--------------|-------------------|-------------------|
| 250.00 | 0.00 | 75.00 (Default) |
| 200.00 | 150.00 | 75.00 (Default) |
| 110.00 | 225.00 | 75.00 (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-2 DESCRIBED BY THE' FOLLOWING DATA: (ID= 1)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENC | CY |
|--------------|-------------------|-----------|-----------|
| 250.00 | 0.00 | 75.00 | (Default) |
| 200.00 | 150.00 | | (Default) |
| 110.00 | 225.00 | | (Default) |

PUMP SPEED RATIO = 0.900

THERE IS A DEVICE AT NODE Pump-3 DESCRIBED BY THE' FOLLOWING DATA: (ID= 2)

| HEAD
(ft) | FLOWRATE
(gpm) | EFFICIENCY
(%) |
|------------------|-------------------|-------------------|
| 258.46 | 0.00 | 1.00 |
| 184.62
120.00 | 75.00 | 1.00
1.00 |

THERE IS A DEVICE AT NODE Pump-4 DESCRIBED BY THE' FOLLOWING DATA: (ID= 3)

| HEAD
(ft) | ···· | |
|--------------|-------|------|
| 258.46 | 0.00 | 1.00 |
| 184.62 | 50.00 | 1.00 |
| 120.00 | 75.00 | 1.00 |

END NODE DATA

| NODE
NAME | NODE
TITLE | EXTERNAL
(gpm) | JUNCTION
ELEVATION
(ft) | EXTERNAL
GRADE
(ft) |
|--------------|---------------|-------------------|-------------------------------|---------------------------|
| J-1 | | 16.00 | 192.00 | |
| J-11 | | 0.00 | 183.00 | |
| J-12 | | 0.00 | 190.00 | |
| J-13 | | 0.00 | 190.00 | |
| J-14 | | 0.00 | 189.00 | |
| J-15 | | 0.00 | 190.00 | |
| J-16 | | 3.00 | 185.00 | |
| J-17 | | 13.00 | 182.00 | |

```
187.00
180.00
190.00
                            6.00
 .T-18
  J-19
                            2.00
                            0.00
  J-2
  J-20
                            0.00
                                         0.00
                            15.00
 J-25
                                       185.00
                                      182.00
185.00
180.00
                            4.00
 J-27
                            5.00
  J-3
  J-32
                            0.00
  J-4
                            14.00
                                       194.00
                                       183.00
182.00
  J-47
                            17.00
  J-5
                             6.00
                                       206.00
  J-59
                            9.00
                                       183.00
184.00
181.00
  J-6
                            0.00
  J-61
                            16.00
 J-68
                            5.00
  J-7
                            0.00
                                       183.00
                                       198.00
185.00
                            14.00
  J-70
 J-78
                             6.00
  J-8
                            10.00
                                       194.00
                                       183.00
  J-9
                            0.00
                                       186.00
183.00
 J-93
                             3.00
                            3.00
 J-98
                            0.00
                                       183.00
Pump-1
                                      183.00
190.00
190.00
                            0.00
Pump-2
Pump-3
                            0.00
Pump-4
                            0.00
                            --- 183.00
---- 183.00
---- 183.00
---- 190.00
                                                        200.00
  R-1
  T-1
                                                        195.00
                                                       195.00
  T-2
   T-3
                                                       214.00
                                                        214.00
  T-4
```

OUTPUT OPTION DATA

OUTPUT SELECTION: ALL RESULTS ARE INCLUDED IN THE TABULATED OUTPUT
MAXIMUM AND MINIMUM PRESSURES = 10
MAXIMUM AND MINIMUM VELOCITIES = 10
MAXIMUM AND MINIMUM HEAD LOSS/1000 = 10

SYSTEM CONFIGURATION

 NUMBER OF PIPES
 (p) = 45

 NUMBER OF END NODES
 (j) = 34

 NUMBER OF PRIMARY LOOPS
 (1) = 7

 NUMBER OF SUPPLY NODES
 (f) = 5

 NUMBER OF SUPPLY ZONES
 (z) = 1

CHANGES FOR NEXT SIMULATION (Change Number = 3)

JUNCTION DEMANDS CHANGED - PLEASE SEE RESULTS TABLE

*** WARNING ***

DUE TO SPECIFIED DEMANDS THE PUMP IN LINE -@Pump-2 IS FORCED TO OPERATE AT ZERO FLOW. THIS MAY CAUSE PROBLEMS CALCULATING THE HGLS IN THE VICINITY OF THE PUMP. TRY CLOSING LINE -@Pump-2 AND RERUN THE SIMULATION.

RESULTS OBTAINED AFTER 2 TRIALS: ACCURACY = 0.00001

PIPELINE RESULTS

STATUS CODE: XX -CLOSED PIPE CV -CHECK VALVE

| PIPE
NAME | NODE
#1 | NUMBERS
#2 | FLOWRATE | HEAD
LOSS | MINOR
LOSS | LINE
VELO. | HL/
1000 |
|--------------|------------|---------------------|----------|--------------|---------------|---------------|-------------|
| NAME | #1 | #4 | (gpm) | (ft) | (ft) | | (ft/ft) |
| P-1 |
J-2 | J-14 | | 0.01 | 0.00 | 0.74 | 0.77 |
| P-10 | J-47 | J-59 | 27.19 | 3.07 | 0.00 | 1.23 | 4.44 |
| P-11 | J-6 | J-17 | -43.52 | 0.40 | 0.00 | 1.11 | 2.62 |
| P-12 | J-61 | J-68 | 4.26 | 0.04 | 0.00 | 0.19 | 0.14 |
| P-13 | J-61 | J-70 | 25.63 | 3.05 | 0.00 | 1.16 | 3.98 |
| P-14 | J-59 | J-15 | 28.12 | 1.67 | 0.00 | 1.28 | 4.73 |
| P-15 | J-15 | J-1 | 23.00 | 0.52 | 0.00 | 1.04 | 3.26 |
| P-16 | J-78 | J-16 | 4.26 | 0.23 | 0.00 | 0.44 | 1.03 |
| P-17 | J-59 | J-70 | -8.59 | 0.18 | 0.00 | 0.39 | 0.53 |
| P-18 | J-70 | J-93 | 5.11 | 1.04 | 0.00 | 0.52 | 1.45 |
| P-19 | J-93 | J-98 | 2.56 | 0.11 | 0.00 | 0.26 | 0.40 |
| P-2 | J-4 | J-8 | 15.04 | 0.57 | 0.00 | 0.68 | 1.48 |
| P-20 | J-1 | J-78 | 9.37 | 4.59 | 0.00 | 0.96 | 4.45 |
| P-21 | J-3 | J-17 | -10.85 | 0.50 | 0.00 | 0.49 | 0.81 |
| P-22 | J-5 | J-47 | -8.20 | 0.42 | 0.00 | 0.37 | 0.48 |
| P-23 | J-6 | J-61 | 43.52 | 0.48 | 0.00 | 1.11 | 2.62 |
| P-24 | J-7 | J-20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-25 | J-7 | Pump-1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-26 | J-7 | Pump-2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-27 | J-11 | T - 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-28-XX | J-11 | T-2 | | | | | |
| P-29-XX | J-9 | T-2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-3 | J-8 | J-3 | -6.59 | 0.10 | 0.00 | 0.30 | 0.32 |
| P-30-XX | J-9 | R-1 | | | | | |
| P-31-XX | T-1 | J-9 | | | | | |
| | Pump-1 | J-11 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-33-XX | Pump-2 | J-11 | | | | | |
| P-34 | J-13 | T – 4 | -71.14 | 0.02 | 0.00 | 0.81 | 0.90 |
| P-35 | T-3 | J-13 | 71.14 | 0.02 | 0.00 | 0.81 | 0.90 |
| P-36-XX | T-3 | J-20 | | | | | |
| P-37-XX | T - 4 | J-20 | | | | | |
| P-38 | J-15 | J-18 | 5.11 | 1.04 | 0.00 | 0.52 | 1.45 |
| P-39 | J-13 | Pump-3 | 71.14 | 0.01 | 0.00 | 0.81 | 0.90 |
| P-4 | J-17 | J-2 | -65.45 | 0.11 | 0.00 | 0.74 | 0.77 |
| P-40 | J-13 | Pump-4 | 71.14 | 0.01 | 0.00 | 0.81 | 0.90 |
| P-41 | Pump-3 | J-12 | 71.14 | 0.01 | 0.00 | 0.81 | 0.90 |
| P-42 | Pump-4 | J-12 | 71.14 | 0.01 | 0.00 | 0.81 | 0.90 |
| P-43 | J-14 | J-4 | 76.84 | 0.14 | 0.00 | 0.87 | 1.04 |
| P-44 | J-14 | J-12 | -142.28 | 0.03 | 0.00 | 1.61 | 3.26 |
| P-45 | J-16 | J-19 | 1.70 | 0.03 | 0.00 | 0.17 | 0.19 |
| P-5 | J-8 | J-25 | 13.10 | 0.92 | 0.00 | 0.59 | 1.15 |
| P-6 | J-25 | J-27
J-32 | 3.41 | 0.34 | 0.00 | 0.35 | 0.68 |
| P-7 | J-27 | U-32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| P-8 | J-25 | Ј-5
Ј-4 | -3.08 | 0.05
1.02 | 0.00 | 0.14
1.27 | 0.08 |
| P-9 | J-47 | J - 4 | -49.87 | 1.02 | 0.00 | 1.27 | 3.37 |

PUMP/LOSS ELEMENT RESULTS

| NAME | FLOWRATE | INLET
HEAD
(ft) | OUTLET
HEAD
(ft) | HEAD
CHANGE
(ft) | EFFIC-
ENCY
(%) | USEFUL
POWER
(Hp) | INCREMTL
COST
(\$) | TOTAL
COST
(\$) |
|------------|----------|-----------------------|------------------------|------------------------|-----------------------|-------------------------|--------------------------|-----------------------|
|
Pump-1 | 0.00 | 12.00 | 214.50 | 202.5 | | | | |
| Pump-2 | 0.00 | 13.51 | 216.01 | 202.5 | | | | |
| Pump-3 | 71.14 | 23.97 | 154.86 | 130.9 | | | | |
| Pump-4 | 71.14 | 23.97 | 154.86 | 130.9 | | | | |

END NODE RESULTS

| NODE
NAME | NODE
TITLE | EXTERNAL 1 OEMAND (Gpm) | HYDRAULIC
GRADE
(ft) | ELEVATION (ft) | PRESSURE
HEAD
(ft) | NODE
PRESSURE
(psi) |
|--------------|---------------|---------------------------|----------------------------|----------------|--------------------------|---------------------------|
| J-1 | | 13.63(0.8 | 5) 338.40 | 192.00 | 146.40 | 63.44 |
| J-11 | | 0.00 | 195.00 | | 12.00 | 5.20 |
| J-12 | | 0.00 | 344.84 | 190.00 | 154.84 | 67.10 |
| J-13 | | 0.00 | 213.98 | | 23.98 | 10.39 |
| J-14 | | 0.00 | 344.81 | 189.00 | 155.81 | 67.52 |
| J-15 | | 0.00 | 338.91 | 190.00 | 148.91 | 64.53 |
| J-16 | | | 5) 333.58 | 185.00 | 148.58 | 64.39 |
| J-17 | | 11.08(0.8 | | 182.00 | 162.70 | 70.50 |
| J-18 | | | 5) 337.87 | | 150.87 | 65.38 |
| J-19 | | | 5) 333.55 | 180.00 | 153.55 | 66.54 |
| J-2 | | 0.00 | 344.81 | 190.00 | 154.81 | 67.08 |
| J-20 | | 0.00 | 399.01 | | | |
| J-25 | | 12.78(0.8 | | 185.00 | 158.19 | 68.55 |
| J-27 | | | 5) 342.85 | 182.00 | 160.85 | 69.70 |
| J- 3 | | 4.26 (0.8 | | 185.00 | 159.20 | 68.99 |
| J-32 | | 0.00 | 342.85 | 180.00 | 162.85 | 70.57 |
| J-4 | | 11.93(0.8 | | 194.00 | 150.67 | 65.29 |
| J-47 | | 14.48(0.8 | • | 183.00 | 160.66 | 69.62 |
| J-5 | | | 5) 343.24 | 182.00 | 161.24 | 69.87 |
| J-59 | | | 5) 340.58 | 206.00 | 134.58 | 58.32 |
| J-6 | | 0.00 | 344.30 | 183.00 | 161.30 | 69.90 |
| J-61 | | 13.63(0.8 | - | 184.00 | 159.82 | 69.25 |
| J-68 | | | 5) 343.77 | | 162.77 | 70.53 |
| J-7 | | 0.00 | 399.01 | 183.00 | 216.01 | 93.60 |
| J-70 | | 11.93(0.8 | | 198.00 | 142.76 | 61.86 |
| J-78 | | | 5) 333.81 | 185.00 | 148.81 | 64.48 |
| J-8 | | | 5) 344.10 | 194.00 | 150.10 | 65.04 |
| J-9 | | 0.00 | 195.00 | | 12.00 | 5.20 |
| J-93 | | | 5) 339.72 | 186.00 | 153.72 | 66.61 |
| J-98 | | | 5) 339.62 | 183.00 | 156.62 | 67.87 |
| Pump-1 | | 0.00 | 397.50 | 183.00 | 214.50 | 92.95 |
| Pump-2 | | 0.00 | 196.51 | 183.00 | 13.51 | 5.85 |
| Pump-3 | | 0.00 | 213.97 | 190.00 | 23.97 | 10.39 |
| Pump-4 | | 0.00 | 213.97 | 190.00 | 23.97 | 10.39 |
| R-1 | | | 200.00 | 183.00 | 17.00 | 7.37 |
| T-1 | | | 195.00 | 183.00 | 12.00 | 5.20 |
| T-2 | | | 195.00 | 183.00 | 12.00 | 5.20 |
| T-3 | | | 214.00 | 190.00 | 24.00 | 10.40 |
| T-4 | | | 214.00 | 190.00 | 24.00 | 10.40 |
| Pump-1 | | 0.00 | 195.00 | 183.00 | 12.00 | 5.20 |
| Pump-2 | | 0.00 | 399.01 | 183.00 | 216.01 | 93.60 |
| Pump-3 | | 0.00 | 344.86 | 190.00 | 154.86 | 67.10 |
| Pump-4 | | 0.00 | 344.86 | 190.00 | 154.86 | 67.10 |

MAXIMUM AND MINIMUM VALUES

PRESSURES

| JUNCTION
NUMBER | MAXIMUM
PRESSURES
(psi) | JUNCTION
NUMBER | MINIMUM
PRESSURES
(psi) |
|--------------------|-------------------------------|--------------------|-------------------------------|
| J-7 | 93.60 | J-11 | 5.20 |
| Pump-2 | 93.60 | J-9 | 5.20 |
| Pump-1 | 92.95 | T-1 | 5.20 |
| J-32 | 70.57 | T-2 | 5.20 |
| J-68 | 70.53 | Pump-1 | 5.20 |
| J-17 | 70.50 | Pump-2 | 5.85 |
| J-6 | 69.90 | R-1 | 7.37 |
| J-5 | 69.87 | Pump-4 | 10.39 |
| J-27 | 69.70 | Pump-3 | 10.39 |
| J-47 | 69.62 | J-13 | 10.39 |

VELOCITIES

| PIPE
NUMBER | MAXIMUM
VELOCITY
(ft/s) | PIPE
NUMBER | MINIMUM
VELOCITY
(ft/s) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-44 | 1.61 | P-8 | 0.14 |
| P-14 | 1.28 | P-45 | 0.17 |
| P-9 | 1.27 | P-12 | 0.19 |
| P-10 | 1.23 | P-19 | 0.26 |
| P-13 | 1.16 | P-3 | 0.30 |
| P-11 | 1.11 | P-6 | 0.35 |
| P-23 | 1.11 | P-22 | 0.37 |
| P-15 | 1.04 | P-17 | 0.39 |
| P-20 | 0.96 | P-16 | 0.44 |
| P-43 | 0.87 | P-21 | 0.49 |

HL / 1000

| PIPE
NUMBER | MAXIMUM
HL/1000
(ft/ft) | PIPE
NUMBER | MINIMUM
HL/1000
(ft/ft) |
|----------------|-------------------------------|----------------|-------------------------------|
| P-14 | 4.73 | P-8 | 0.08 |
| P-20 | 4.45 | P-12 | 0.14 |
| P-10 | 4.44 | P-45 | 0.19 |
| P-13 | 3.98 | P-3 | 0.32 |
| P-9 | 3.37 | P-19 | 0.40 |
| P-15 | 3.26 | P-22 | 0.48 |
| P-44 | 3.26 | P-17 | 0.53 |
| P-11 | 2.62 | P-6 | 0.68 |
| P-23 | 2.62 | P-1 | 0.77 |
| P-2 | 1.48 | P-4 | 0.77 |

SUMMARY OF INFLOWS AND OUTFLOWS

- (+) INFLOWS INTO THE SYSTEM FROM SUPPLY NODES (-) OUTFLOWS FROM THE SYSTEM INTO SUPPLY NODES

| | NODE | E I | LO | WRATE | NODE | |
|-----|--------|---------|----|--------|-------|--|
| | NAM | 3 | (g | pm) | TITLE | |
| | | | | | | |
| | R-1 | | | 0.00 | | |
| | T-1 | | | 0.00 | | |
| | T-2 | | | 0.00 | | |
| | T-3 | | | 71.14 | | |
| | T-4 | | | 71.14 | | |
| | | | | | | |
| NET | SYSTEM | INFLOW | = | 142.28 | | |
| NET | SYSTEM | OUTFLOW | = | 0.00 | | |
| NET | SYSTEM | DEMAND | = | 142.28 | | |
| | | | | | | |

***** HYDRAULIC ANALYSIS COMPLETED *****

SABINE COUNTY TOTAL WATER SYSTEM IMPROVEMENTS WITHOUT FIRE FLOW

| | | Phase 17 | 2005-2010) | - | | Phase 2 (| 2025-2030) | | <u> </u> | TOTAL F | ROJECT | |
|--------------------------------|----------|----------|--------------------|-----------------------------------|----------|--------------|---------------------|-----------------------|------------|--------------|--------------------|------------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| Description | Quantity | Omta | Onit Fine | TOTAL | Quantity | Onits | OIII FIICE | rotai | Quantity | Units | Onicrice | TOTAL |
| Raw Water intake | 1687 | GPM | \$600.00 | \$1.012.200 | 424 | GPM | \$600.00 | \$254,400 | 2111 | GPM | \$600.00 | \$1,266,600 |
| Surface Water Treatment Plant | 2.43 | MGD | \$2,500,000.00 | \$6,075,000 | 0.61 | MGD | \$2,500,000.00 | \$1,525,000 | 3.04 | MGD | \$2,500,000.00 | \$7,600,000 |
| High Service Pump Station | 2.43 | Each | \$250,000.00 | \$500,000 | 0.00 | Each | \$250,000.00 | \$0 | 2 | Each | \$250,000.00 | \$500,000 |
| Ground Storage Tank | 0 | Gallons | \$0.40 | \$0 | 10000 | Gallons | \$0.40 | \$4,000 | 10000 | Gallons | \$0.40 | \$4,000 |
| Standpipe | 75000 | Gallons | \$0.40
\$0.55 | \$41,250 | 115000 | Gallons | \$0.40
\$0.55 | \$63,250 | 190000 | Gallons | \$0.40
\$0.55 | \$104,500 |
| Service Connections | 1070 | Each | \$750.00 | \$802,500 | 715 | Each | \$750.00 | \$536,250 | 1785 | Each | \$750.00 | \$1,338,750 |
| 22" Waterline | 19 | L.F. | \$49.50 | \$802,300 | 0 | L.F. | \$750.00
\$49.50 | | 1765 | L.F. | \$49.50 | \$1,336,730 |
| 18" Waterline | 280 | L.F. | * | | 0 | | , | \$0
* 0 | | | | |
| 16" Waterline | 0 | L.F. | \$38.00
\$32.50 | \$10,640
\$0 | 368 | L.F.
L.F. | \$38.00
\$32.50 | \$0
\$11,960 | 280
368 | L.F.
L.F. | \$38.00
\$32.50 | \$10,640
\$11,960 |
| | 10985 | L.F. | | | 577 | L.F. | | | | | \$27.00 | |
| 14" Waterline | 22760 | L.F. | \$27.00 | \$296,595 | | | \$27.00 | \$15,579
\$070,054 | 11562 | L.F. | | \$312,174 |
| 12" Waterline | | | \$21.25 | \$483,650 | 13113 | L.F. | \$21.25 | \$278,651 | 35873 | L.F. | \$21.25 | \$762,301 |
| 10" Waterline | 23774 | L.F. | \$17.25 | \$410,102 | 26292 | L.F. | \$17.25 | \$453,537 | 50066 | L.F. | \$17.25 | \$863,639 |
| 8" Waterline | 78353 | L.F. | \$13.25 | \$1,038,177 | 24064 | L.F. | \$13.25 | \$318,848 | 102417 | L.F. | \$13.25 | \$1,357,025 |
| 6" Waterline | 56691 | L.F. | \$10.25 | \$581,083 | 6087 | L.F. | \$10.25 | \$62,392 | 62778 | L.F. | \$10.25 | \$643,475 |
| 4" Waterline | 56560 | L.F. | \$8.75 | \$494,900 | 5563 | L.F. | \$8.75 | \$48,676 | 62123 | L.F. | \$8.75 | \$543,576 |
| 3" Waterline | 21780 | L.F. | \$7.75 | \$168,795 | 12972 | L.F. | \$7.75 | \$100,533 | 34752 | L.F. | \$7.75 | \$269,328 |
| 2" Waterline | 1743 | L.F. | \$7.25 | \$12,637 | 2003 | L.F. | \$7.25 | \$14,522 | 3746 | L.F. | \$7.25 | \$27,159 |
| 22" Gate Valve | 1 1 | Each | \$3,800.00 | \$3,800 | 0 | Each | \$3,800.00 | \$0 | 1 1 | Each | \$3,800.00 | \$3,800 |
| 18" Gate Valve | 1 1 | Each | \$2,825.00 | \$2,825 | 0 | Each | \$2,825.00 | \$0 | 1 1 | Each | \$2,825.00 | \$2,825 |
| 16* Gate Valve | 0 | Each | \$2,250.00 | \$0 | 1 | Each | \$2,250.00 | \$2,250 | 1 | Each | \$2,250.00 | \$2,250 |
| 14" Gate Valve | 10 | Each | \$1,475.00 | \$14,750 | 2 | Each | \$1,475.00 | \$2,950 | 12 | Each | \$1,475.00 | \$17,700 |
| 12" Gate Valve | 23 | Each | \$1,225.00 | \$27,918 | 13 | Each | \$1,225.00 | \$15,702 | 36 | Each | \$1,225.00 | \$43,620 |
| 10" Gate Valve | 24 | Each | \$970.00 | \$23,735 | 25 | Each | \$970.00 | \$24,231 | 49 | Each | \$970.00 | \$47,966 |
| 8" Gate Valve | 79 | Each | \$710.00 | \$55,837 | 27 | Each | \$710.00 | \$19,366 | 106 | Each | \$710.00 | \$75,202 |
| 6" Gate Valve | 55 | Each | \$535.00 | \$29,604 | 6 | Each | \$535.00 | \$3,236 | 61 | Each | \$535.00 | \$32,840 |
| 4" Gate Valve | 58 | Each | \$450.00 | \$26,227 | 4 | Each | \$450.00 | \$1,800 | 62 | Each | \$450.00 | \$28,027 |
| 3" Gate Valve | 22 | Each | \$380.00 | \$8,298 | 12 | Each | \$380.00 | \$4,695 | 34 | Each | \$380.00 | \$12,994 |
| 2" Gate Valve | 2 | Each | \$320.00 | \$646 | 3 | Each | \$320.00 | \$960 | 5 | Each | \$320.00 | \$1,606 |
| Fire Hydrant | 10 | Each | \$1,500.00 | \$14,957 | 0 | Each | \$1,500.00 | \$0 | Í 10 Í | Each | \$1,500.00 | \$14,957 |
| Pavement Repair | 19704 | S.Y. | \$30.00 | \$591,129 | 7582 | S.Y. | \$30.00 | \$227,460 | 27286 | S.Y. | \$30.00 | \$818,589 |
| Trench Safety | 252352 | L.F. | \$1.50 | \$378,529 | 69004 | L.F. | \$1.50 | \$103,506 | 321356 | L.F. | \$1.50 | \$482,034 |
| , | | | ****** | 4 =: 3,5 = 5 | | | ¥ 1.22 | *, | | | •,,,== | 4 , |
| Subtotal Construction | | | | \$13,106,722 | | | | \$4,093,754 | | | | \$17,200,476 |
| Contingencies | 15% | | | \$1,966,008 | 15% | | | \$614,063 | 15% | | | \$2,580,071 |
| Project Administration | 1% | | | \$1,900,000
\$131,067 | 1% | | | \$40,938 | 1% | | | \$172,005 |
| Engineering Design Phase | 12% | | | \$1,572,807 | 12% | | | \$491.250 | 12% | | | \$2,064,057 |
| Construction Inspection | 1% | | | \$131,067 | 1% | | | \$40,938 | 1% | | | \$172,005 |
| Geotechnical | 1% | | | \$131,067
\$131,067 | 1% | | | \$40,938 | 1% | | | \$172,005
\$172,005 |
| | 2% | | | | | | | | | | | |
| Design Surveying | | | | \$262,134
\$134,067 | 2% | | | \$81,875 | 2% | | | \$344,010
\$470,005 |
| Construction Surveying | 1% | | | \$131,067
\$134,067 | 1% | | | \$40,938 | 1% | | | \$172,005 |
| Material Testing | 1% | ' I | | \$131,067
\$200,424 | 1% | ' | ' I | \$40,938 | 1% |] | ĺ | \$172,005 |
| Engineering Construction Phase | 2% | | | \$262,134 | 2% | | | \$81,875 | 2% | | | \$344,010 |
| Easements | 5% | | | \$655,336 | 5% | | | \$204,688 | 5% | | | \$860,024 |
| Legal | 2% | | | \$262,134 | 2% | | | \$81,875 | 2% | | | \$344,010 |
| Fiscal | 2% | | | \$262,134 | 2% | | l J | \$81,875 | 2% | | | \$344,010 |
| Subtotal Non-Construction | | | | \$5,898,025 | | | | \$1,842,189 | | | | \$7,740,214 |
| TOTAL PROJECT COST | | | | \$19,004,747 | | | | \$5,935,943 | | | | \$24,940,690 |

SABINE COUNTY TOTAL WATER SYSTEM IMPROVEMENTS INCLUDING FIRE FLOW

| | | Phase 1 (| 2005-2010) | | | Phase 2 (| 2025-2030) | | Τ | TOTAL F | ROJECT | |
|--------------------------------|----------|-----------|----------------------|--------------------------|-----------|-----------|---------------------|-----------------------|----------|---------|------------------------|---------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | | | | | |
| Raw Water Intake | 1687 | GPM | \$600.00 | \$1,012,200 | 424 | GPM | \$600.00 | \$254,400 | 2111 | GPM | \$600.00 | \$1,266,600 |
| Surface Water Treatment Plant | 2.43 | MGD | \$2,500,000.00 | \$6,075,000 | 0.61 | MGD | \$2,500,000.00 | \$1,525,000 | 3.04 | MGD | \$2,500,000.00 | \$7,600,000 |
| High Service Pump Station | 2.00 | Each | \$250,000.00 | \$500,000 | 0.00 | Each | \$250,000.00 | \$0 | 2.00 | Each | \$250,000.00 | \$500,000 |
| Ground Storage Tank | 0 | Gallons | \$0.40 | \$0 | 10000 | Gallons | \$0.40 | \$4,000 | 10000 | Gallons | \$0.40 | \$4,000 |
| Standpipe | 75000 | Gallons | \$0.55 | \$41,250 | 115000 | Gallons | \$0.55 | \$63,250 | 190000 | Gallons | \$0.55 | \$104,500 |
| Service Connections | 1070 | Each | \$750.00 | \$802,500 | 715 | Each | \$750.00 | \$536,250 | 1785 | Each | \$750.00 | \$1,338,750 |
| 22" Waterline | 19 | L.F. | \$49.50 | \$941 | 0 | L.F. | \$49.50 | \$0 | 19 | L.F. | \$49.50 | \$941 |
| 18" Waterline | 280 | L.F. | \$38.00 | \$10,640 | 0 | L.F. | \$38.00 | \$0 | 280 | L.F. | \$38.00 | \$10,640 |
| 16" Waterline | 0 | L.F. | \$32.50 | \$0 | 368 | L.F. | \$32.50 | \$11, 9 60 | 368 | L.F. | \$32.50 | \$11,960 |
| 14" Waterline | 15942 | L.F. | \$27.00 | \$430,434 | 577 | L.F. | \$27.00 | \$15,579 | 16519 | L.F. | \$27.00 | \$446,013 |
| 12" Waterline | 34274 | L.F. | \$21.25 | \$728,323 | 13113 | L.F. | \$21.25 | \$278,651 | 47387 | L.F. | \$21.25 | \$1,006,974 |
| 10" Waterline | 36532 | L.F. | \$17.25 | \$630,177 | 26292 | L.F. | \$17.25 | \$453,537 | 62824 | L.F. | \$17.25 | \$1,083,714 |
| 8" Waterline | 95556 | L.F. | \$13.25 | \$1,266,117 | 24064 | L.F. | \$13.25 | \$318,848 | 119620 | L.F. | \$13.25 | \$1,584,965 |
| 6" Waterline | 60457 | L.F. | \$10.25 | \$619.684 | 6087 | L.F. | \$10.25 | \$62,392 | 66544 | L.F. | \$10.25 | \$682,076 |
| 4" Waterline | 61207 | L.F. | \$8.75 | \$535,561 | 5563 | L.F. | \$8.75 | \$48,676 | 66770 | L.F. | \$8.75 | \$584,238 |
| 3" Waterline | 21780 | L.F. | \$7.75 | \$168,795 | 12972 | L.F. | \$7.75 | \$100,533 | 34752 | L.F. | \$7.75 | \$269,328 |
| 2" Waterline | 1743 | L.F. | \$7.25 | \$12,637 | 2003 | L.F. | \$7.25 | \$14,522 | 3746 | L.F. | \$7.25 | \$27,159 |
| 22" Gate Valve | 1 | Each | \$3.800.00 | \$3,800 | 0 | Each | \$3,800.00 | \$0 | 1 | Each | \$3,800.00 | \$3,800 |
| 18" Gate Valve | 1 | Each | \$2,825.00 | \$2,825 | ő | Each | \$2,825.00 | \$0 | 1 | Each | \$2,825.00 | \$2,825 |
| 16" Gate Valve | ; | Each | \$2,250.00 | \$0 | 1 1 | Each | \$2,250.00 | \$2,250 | i | Each | \$2,250.00 | \$2,250 |
| 14" Gate Valve | 15 | Each | \$1,475.00 | \$22,125 | 2 | Each | \$1,475.00 | \$2,950 | 17 | Each | \$1,475.00 | \$25,075 |
| 12" Gate Valve | 34 | Each | \$1,225.00 | \$42,022 | 13 | Each | \$1,225.00 | \$15,702 | 47 | Each | \$1,225.00 | \$57,724 |
| 10" Gate Valve | 37 | Each | \$1,223.00 | \$35,790 | 25 | Each | \$970.00 | \$13,702 | 62 | Each | \$970.00 | \$60,021 |
| 8" Gate Valve | 95 | Each | \$710.00
\$710.00 | \$67,732 | 27 | Each | \$70.00
\$710.00 | \$19,366 | 123 | Each | \$710.00 | \$87,098 |
| | 58 | Each | | | 6 | Each | \$535.00 | | 64 | Each | \$535.00 | \$34,445 |
| 6" Gate Valve | 62 | Each | \$535.00
\$450.00 | \$31,209
\$28,101 | 4 | Each | \$450.00 | \$3,236
\$1,800 | 66 | Each | \$450.00 | \$29,901 |
| 4" Gate Valve | | | | , | | | 1 ' | | 34 | | \$380.00 | |
| 3" Gate Valve | 22 | Each | \$380.00 | \$8,298 | 12 | Each | \$380.00 | \$4,695 | 5 | Each | | \$12,994
\$1,606 |
| 2" Gate Valve | 2 | Each | \$320.00 | \$646 | 3 | Each | \$320.00 | \$960 | 10 | Each | \$320.00
\$1,500.00 | |
| Fire Hydrant | 10 | Each | \$1,500.00 | \$14,957 | | Each | \$1,500.00 | \$0 | | Each | | \$14,957 |
| Pavement Repair | 25798 | S.Y. | \$30.00 | \$773,945 | 7582 | S.Y. | \$30.00 | \$227,460 | 33380 | S.Y. | \$30.00 | \$1,001,405 |
| Trench Safety | 286039 | L.F. | \$1.50 | \$429,058 | 69004 | L.F. | \$1.50 | \$103,506 | 355042 | L.F. | \$1.50 | \$532,563 |
| Subtotal Construction | 1 1 | | | \$14,294,766 | | | | \$4,093,754 | 1 | |] | \$18,388,520 |
| | 150/ | | | 60 444 045 | 450 | | | 6044.000 | 15% | | | \$2,758,278 |
| Contingencies | 15% | | | \$2,144,215
\$142.948 | 15%
1% | | | \$614,063
\$40,938 | 15% | | | \$183,885 |
| Project Administration | 1% | | | | | | | | 12% | | | |
| Engineering Design Phase | 12% | | | \$1,715,372 | 12% | | | \$491,250 | | | | \$2,206,622 |
| Construction Inspection | 1% | | | \$142,948 | 1% | | | \$40,938 | 1% | | | \$183,885 |
| Geotechnical | 1% | | | \$142,948 | 1% | | | \$40,938 | 1% | | | \$183,885 |
| Design Surveying | 2% | | | \$285,895 | 2% | | 1 | \$81,875 | 2% | | | \$367,770 |
| Construction Surveying | 1% | | | \$142,948 | 1% | | | \$40,938 | 1% | | | \$183,885 |
| Material Testing | 1% | | | \$142,948 | 1% | | | \$40,938 | 1% | | 1 | \$183,885 |
| Engineering Construction Phase | 2% | | | \$285,895 | 2% | | | \$81,875 | 2% | | | \$367,770 |
| Easements | 5% | | ! | \$714,738 | 5% | | | \$204,688 | 5% | | ļ | \$919,426 |
| Legal | 2% | | | \$285,895 | 2% | | | \$81,875 | 2% | | | \$367,770 |
| Fiscal | 2% | | | \$285,895 | 2% | | | \$81,875 | 2% | | | \$367,770 |
| Subtotal Non-Construction | | | | \$6,432,645 | | | | \$1,842,189 | | | | \$8,274,834 |
| TOTAL PROJECT COST | | | | \$ 20,727,411 | | | | \$5,935,943 | | | | \$26,663,354 |

CITY OF HEMPHILL WATER SYSTEM IMPROVEMENTS

| | | Phase 1 (| 2005-2010) | | | Phase 2 (| 2025-2030) | | 1 | TOTAL | PROJECT | |
|--|--------------|--------------|--------------------------|----------------------|----------|--------------|--------------------------|----------------------|----------|---------|--------------------|------------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| 2000/(01/01/01/01/01/01/01/01/01/01/01/01/01/0 | | | | | Launary | 51111.5 | 5 | 1014 | | - Ointo | - Cilit i iiss | |
| Raw Water Intake | 174 | GPM | \$600.00 | \$104,400 | 56 | GPM | \$600.00 | \$33,600 | 230 | GPM I | \$600.00 | \$138,000 |
| Surface Water Treatment Plant | 0.25 | MGD | \$2,500,000.00 | \$625,000 | 0.08 | MGD | \$2,500,000.00 | \$200,000 | 0.33 | MGD | \$2,500,000.00 | \$825,000 |
| High Service Pump Station | 0.15 | Each | \$250,000.00 | \$37.500 | | Each | \$250,000.00 | \$0 | 0.15 | Each | \$250,000.00 | \$37,500 |
| Ground Storage Tank | | Gallons | \$0.40 | \$0 | | Gallons | \$0.40 | \$0 | 0 | Gallons | \$0.40 | \$0 |
| Standpipe | | Gallons | \$0.55 | \$0 | | Gallons | \$0.55 | \$0 | o | Gallons | \$0.55 | \$0 |
| Service Connections | 146 | Each | \$750.00 | \$109,500 | 98 | Each | \$750.00 | \$ 73,500 | 244 | Each | \$750.00 | \$183,000 |
| 22" Waterline | 19 | L.F. | \$49.50 | \$941 | 1 1 | L.F. | \$49.50 | \$0 | 19 | L.F. | \$49.50 | \$941 |
| 18" Waterline | 280 | L.F. | \$38.00 | \$10,640 | | L.F. | \$38.00 | \$0 | 280 | L.F. | \$38.00 | \$10,640 |
| 16" Waterline | | L.F. | \$32.50 | \$0 | 368 | L.F. | \$32.50 | \$11,960 | 368 | L.F. | \$32.50 | \$11,960 |
| 14" Waterline | , | L.F. | \$27.00 | \$0 | 42 | L.F. | \$27.00 | \$1,134 | 42 | L.F. | \$27.00 | \$1,134 |
| 12" Waterline | 410 | L.F. | \$21.25 | \$8.713 | 2818 | L.F. | \$21.25 | \$59,883 | 3228 | L.F. | \$21.25 | \$68,595 |
| 10" Waterline | 4531 | L.F. | \$17.25 | \$78,160 | 7525 | L.F. | \$17.25 | \$129,806 | 12056 | L.F. | \$17.25 | \$207,966 |
| 8" Waterline | 4731 | L.F. | \$17.25
\$13.25 | \$62.686 | 6932 | L.F. | \$13.25 | \$91,849 | 11663 | L.F. | \$13.25 | \$154,535 |
| 6" Waterline | 3230 | L.F. | \$10.25
\$10.25 | \$33,108 | 2113 | L.F. | \$10.25 | \$21,658 | 5343 | L.F. | \$10.25
\$10.25 | \$54,766 |
| 4" Waterline | 11089 | L.F. | \$8.75 | \$97.029 | 704 | L.F. | \$8.75 | \$6,160 | 11793 | L.F. | \$8.75 | \$103,189 |
| 3" Waterline | 4404 | L.F. | \$7.75
\$7.75 | \$97,029
\$34,131 | 10356 | L.F.
L.F. | \$6.75
\$7.75 | \$80,259 | 14760 | L.F. | \$6.75
\$7.75 | \$103,169
\$114,390 |
| 2" Waterline | 724 | L.F. | \$7.75
\$7.25 | \$5,249 | 621 | L.F. | \$7.75
\$7.25 | \$4,502 | 1345 | L.F. | \$7.75
\$7.25 | \$9,751 |
| 22" Gate Valve | 1 | Each | \$3,800.00 | \$3,249
\$3,800 | 021 | Each | \$7.23
\$3,800.00 | \$4,502
\$0 | 1 1 | Each | \$3,800.00 | |
| | | | \$3,800.00
\$2,825.00 | \$2,825 | | | \$3,800.00
\$2,825.00 | \$0
\$0 | | | | \$3,800
\$2,825 |
| 18" Gate Valve | 1 ' 1 | Each
Each | | | | Each | | | | Each | \$2,825.00 | |
| 16" Gate Valve | | | \$2,250.00 | \$0
*** | 1 1 | Each | \$2,250.00 | \$2,250 | 1 ' 1 | Each | \$2,250.00 | \$2,250 |
| 14" Gate Valve | 1 | Each | \$1,475.00 | \$0
\$4.005 | 1 1 | Each | \$1,475.00 | \$1,475
\$0,450 | 1 | Each | \$1,475.00 | \$1,475 |
| 12" Gate Valve | 1 1 | Each | \$1,225.00 | \$1,225 | 3 | Each | \$1,225.00 | \$3,452 | 4 | Each | \$1,225.00 | \$4,677 |
| 10" Gate Valve | 5 | Each | \$970.00 | \$4,395 | 7 | Each | \$970.00 | \$6,790 | 12 | Each | \$970.00 | \$11,185 |
| 8" Gate Valve | 5 | Each | \$710.00 | \$3,359 | 7 | Each | \$710.00 | \$4,922 | 12 | Each | \$710.00 | \$8,281 |
| 6" Gate Valve | 3 | Each | \$535.00 | \$1,728 | 2 | Each | \$535.00 | \$1,130 | 5 | Each | \$535.00 | \$2,859 |
| 4" Gate Valve | 11 | Each | \$450.00 | \$4,990 | 1 | Each | \$450.00 | \$450 | 12 | Each | \$450.00 | \$5,440 |
| 3" Gate Valve | 4 | Each | \$380.00 | \$1,674 | 10 | Each | \$380.00 | \$3,935 | 15 | Each | \$380.00 | \$5,609 |
| 2" Gate Valve | 1 | Each | \$320.00 | \$320 | 1 1 | Each | \$320.00 | \$320 | 2 | Each | \$320.00 | \$640 |
| Fire Hydrant | 10 | Each | \$1,500.00 | \$14,957 | | Each | \$1,500.00 | \$0 | 10 | Each | \$1,500.00 | \$14,957 |
| Pavement Repair | 3269 | S.Y. | \$30.00 | \$98,060 | 3498 | S.Y. | \$30.00 | \$104,930 | 6766 | S.Y. | \$30.00 | \$202,990 |
| Trench Safety | 8825 | L.F. | \$1.50 | \$13,238 | 9444 | L.F. | \$1.50 | \$14,166 | 18269 | L.F. | \$1.50 | \$27,404 |
| Subtotal Construction |] . | | | \$1,357,625 | j j | | | \$858,131 | | | | \$2,215,756 |
| Subtotal Constituction | | | | 41,337,023 | | | | \$000,101 | | | | \$2,210,750 |
| Contingencies | 15% | | | \$203,644 | 15% | | | \$128,720 | 15% | | | \$332,363 |
| Project Administration | 1% | | | \$13,576 | 1% | | l | \$8,581 | 1% | | | \$22,158 |
| Engineering Design Phase | 12% | | | \$162.915 | 12% | | | \$102.976 | 12% | | | \$265,891 |
| Construction Inspection | 1% | | Í | \$13,576 | 1% | | i | \$8,581 | 1% | | | \$22,158 |
| Geotechnical | 1% | | | \$13,576 | 1% | | | \$8.581 | 1% | | | \$22,158 |
| Design Surveying | 2% | | | \$27,153 | 2% | | | \$17,163 | 2% | | | \$44,315 |
| Construction Surveying | 1% | | | \$13,576 | 1% | | | \$8,581 | 1% | | | \$22,158 |
| Material Testing | 1% | | ļ | \$13,576 | 1% | | j | \$8,581 | 1% | | l l | \$22,158 |
| Engineering Construction Phase | 2% | | | \$27,153 | 2% | | | \$17,163 | 2% | | | \$44,315 |
| Easements | 5% | | | \$67,881 | 5% | | | \$42,907 | 5% | | | \$110,788 |
| Legal | 2% | | | \$27,153 | 2% | | i | \$17,163 | 2% | | | \$44.315 |
| Fiscal | 2% | | | \$27,153 | 2% | | | \$17,163
\$17,163 | 2% | | , | \$44,315
\$44,315 |
| | -/- | | | • | -" | ' I | | | | | | |
| Subtotal Non-Construction | | | | \$610,931 | | | | \$386,159 | | | | \$997,090 |
| TOTAL PROJECT COST | | | | \$1,968,556 | | | | \$1,244,290 | | _ | | \$3,212,847 |

CITY OF HEMPHILL FIRE FLOW IMPROVEMENTS

| · | | Phase 1 (2 | 2005-2010) | | | Phase 2 (| 2025-2030) | | | TOTAL | PROJECT | |
|--------------------------------|----------|------------|----------------|----------------|----------|-----------|----------------|-------------|----------|---------|-----------------|--------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | | | | | |
| Raw Water Intake | | GPM | \$600.00 | \$ 0 | | GPM | \$600.00 | \$0 | 0 | GPM | \$600.00 | \$0 |
| Surface Water Treatment Plant | ! | MGD | \$2,500,000.00 | \$0 | | MGD | \$2,500,000.00 | \$0 | 0 | MGD | \$2,500,000.00 | \$0 |
| High Service Pump Station | | Each | \$250,000.00 | \$0 | 1 | Each | \$250,000.00 | \$0 | 0 | Each | \$250,000.00 | \$0 |
| Ground Storage Tank | i l | Gallons | \$0.40 | \$ 0 | i l | Gallons | \$0.40 | \$0 | 0 | Gallons | \$0.40 | \$0 |
| Standpipe | , , | Gallons | \$0,55 | \$ 0 | | Gallons | \$0.55 | \$0 | 0 | Gallons | \$0.55 | \$0 |
| Service Connections | 1 1 | Each | \$750.00 | \$0 | | Each | \$750.00 | \$ 0 | 0 | Each | \$750.00 | \$0 |
| 22" Waterline | ! I | L.F. | \$49.50 | \$0 | | L.F. | \$49.50 | \$0 | 0 | L.F. | \$49.50 | \$0 |
| 18" Waterline | | L.F. | \$38.00 | \$ 0 | | L.F. | \$38.00 | \$0 | 0 | L.F. | \$38.00 | \$0 |
| 16" Waterline | | L.F. | \$32.50 | \$ 0 | | L.F. | \$32.50 | \$0 | 0 | L.F. | \$32.50 | \$0 |
| 14" Waterline | 368 | L.F. | \$27.00 | \$9,936 | | L.F. | \$27.00 | \$ 0 | 368 | L.F. | \$27.00 | \$9,936 |
| 12" Waterline | 11514 | L.F. | \$21.25 | \$244,673 |] | L.F. | \$21.25 | \$ 0 | 11514 | L.F. | \$21.25 | \$244,673 |
| 10" Waterline | 8428 | L.F. | \$17.25 | \$145,383 | | L.F. | \$17.25 | \$0 | 8428 | L.F. | \$17.25 | \$145,383 |
| 8" Waterline | 8754 | L.F. | \$13.25 | \$115,991 | | L.F. | \$13.25 | \$0 | 8754 | L.F. | \$ 13.25 | \$115,991 |
| 6" Waterline | ! | L.F. | \$10.25 | \$0 | | L.F. | \$10.25 | \$0 | 0 | L.F. | \$10.25 | \$0 |
| 4" Waterline | 1163 | L.F. | \$8.75 | \$10,176 | | L.F. | \$8.75 | \$0 | 1163 | L.F. | \$8.75 | \$10,176 |
| 3" Waterline | | L.F. | \$7.75 | \$0 | | L.F. | \$7.75 | \$0 | 0 | L.F. | \$7.75 | \$0 |
| 2" Waterline | | L.F. | \$7,25 | \$0 | İ | L.F. | \$7.25 | \$0 | 0 | L.F. | \$7.25 | \$0 |
| 22" Gate Valve | 1 1 | Each | \$3,800.00 | \$0 | i i | Each | \$3,800.00 | \$0 | 0 | Each | \$3,800.00 | \$0 |
| 18" Gate Valve | 1 | Each | \$2,825.00 | \$0 | | Each | \$2,825.00 | \$0 | o | Each | \$2,825.00 | \$0 |
| 16" Gate Valve | | Each | \$2,250.00 | \$0 | | Each | \$2,250.00 | \$0 | اة | Each | \$2,250.00 | \$o |
| 14" Gate Valve | 1 1 | Each | \$1,475.00 | \$1,475 | | Each | \$1,475.00 | \$0 | 1 1 | Each | \$1,475.00 | \$1,475 |
| 12" Gate Valve | 12 | Each | \$1,225.00 | \$14,105 | | Each | \$1,225.00 | \$0 | 12 | Each | \$1,225.00 | \$14,105 |
| 10" Gate Valve | 8 | Each | \$970,00 | \$8,175 | | Each | \$970.00 | \$0 | 8 | Each | \$970.00 | \$8,175 |
| 8" Gate Valve | 9 | Each | \$710.00 | \$6,215 |) . | Each | \$710.00 | \$ 0 | 9 | Each | \$710.00 | \$6,215 |
| 6" Gate Valve | " | Each | \$535.00 | \$0,213
\$0 | | Each | \$535.00 | \$0 | ő | Each | \$535.00 | \$0,213 |
| 4" Gate Valve | 1 | Each | \$450.00 | \$523 | | Each | \$450.00 | \$0
\$0 | 1 1 | Each | \$450.00 | \$523 |
| 3" Gate Valve | ' | | \$380.00 | \$0
\$0 | | | \$380.00 | \$0
\$0 | l ò | Each | \$380.00 | \$023 |
| | ŀ | Each | | \$0
\$0 | | Each | 1 1 | \$0
\$0 | | Each | \$320.00 | \$0
\$0 |
| 2" Gate Valve | i | Each | \$320.00 | | | Each | \$320.00 | | 0 | | | \$0
\$0 |
| Fire Hydrant | | Each | \$1,500.00 | \$0 | | Each | \$1,500.00 | \$0 | 1 - | Each | \$1,500.00 | |
| Pavement Repair | 3359 | S.Y. | \$30.00 | \$100,757 | | S.Y. | \$30.00 | \$0 | 3359 | S.Y. | \$30.00 | \$100,757 |
| Trench Safety | 9068 | L.F. | \$1.50 | \$13,602 | | L.F. | \$1.50 | \$0 | 9068 | L.F. | \$1.50 | \$13,602 |
| Subtotal Construction | | | | \$671,011 | | | | \$0 | | | | \$671,011 |
| Contingencies | 15% | | | \$100,651.59 | 15% | · · | | | 15% | | | \$100,651.59 |
| Project Administration | 1% | | | \$6,710.11 | 1% | | | | 1% | | | \$6,710.11 |
| Engineering Design Phase | 12% | | | \$80,521,27 | 12% | | | | 12% | | | \$80,521,27 |
| Construction Inspection | 1% | | | \$6,710.11 | 1% | | | | 1% | | | \$6,710.11 |
| Geotechnical | 1% | | | \$6,710,11 | 1% | | | | 1% | | | \$6,710.11 |
| Design Surveying | 2% | | | \$13,420.21 | 2% | | | | 2% | , | | \$13,420.21 |
| Construction Surveying | 1% | | | \$6,710.11 | 1% | | | | 1% | | | \$6,710.11 |
| Material Testing | 1% | | | \$6,710.11 | 1% | | | | 1% | | | \$6,710.11 |
| Engineering Construction Phase | 2% | | | \$13,420.21 | 2% | | [| | 2% | | | \$13,420.21 |
| Easements | 5% | | į | \$33.550.53 | 5% | | | | 5% | | | \$33,550.53 |
| Legal | 2% | | | \$13,420.21 | 2% | | | | 2% | | | \$13,420.21 |
| Fiscal | 2% | | | \$13,420.21 | 2% | | | | 2% | | | \$13,420.21 |
| | | | | | | | | | | | | |
| Subtotal Non-Construction | [| | | \$301,955 | [[| | | | | | | \$301,955 |
| TOTAL PROJECT COST | | | | \$972,965 | | | | | | | | \$972,965 |

CITY OF PINELAND WATER SYSTEM IMPROVEMENTS

| | | Phase 1 (| 2005-2010) | | Ţ | Phase 2 (| 2025-2030) | | | TOTAL | ROJECT | |
|---------------------------------|----------|--------------|----------------------|----------------|--------------|--------------|----------------------|-----------------|--------------|--------------|----------------------|--------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| B | 100 | 0514 | | *** | | | **** | | | | | *** |
| Raw Water Intake | 139 | GPM | \$600.00 | \$83,400 | 21 | GPM | \$600.00 | \$12,600 | 160 | GPM | \$600.00 | \$96,000 |
| Surface Water Treatment Plant | 0.2 | MGD | \$2,500,000.00 | \$500,000 | 0.03 | MGD | \$2,500,000.00 | \$75,000 | 0.23 | MGD | \$2,500,000.00 | \$575,000 |
| High Service Pump Station | 1 0.1 | Each | \$250,000.00 | \$25,000 | | Each | \$250,000.00 | \$0 | 0.1 | Each | \$250,000.00 | \$25,000 |
| Ground Storage Tank | | Gallons | \$0.40 | \$ 0 | | Gallons | \$0.40 | \$0 | 0 | Gallons | \$0.40 | \$0 |
| Standpipe | 1 00 1 | Gallons | \$0.55 | \$0 | | Gallons | \$0.55 | \$0 | 0 | Gallons | \$0.55 | \$0 |
| Service Connections | 86 | Each | \$750.00 | \$64,500 | 58 | Each | \$750.00 | \$43,500 | 144 | Each | \$750.00 | \$108,000 |
| 22" Waterline |] 1 | L.F. | \$49.50 | \$ 0 | ļ . | L.F. | \$49.50 | \$0 | 0 | L.F. | \$49.50 | \$0 |
| 18" Waterline | | L.F. | \$38.00 | \$0 | 1 | L.F. | \$38.00 | \$0 | 0 | L.F. | \$38.00 | \$0 |
| 16" Waterline
14" Waterline | | L.F. | \$32.50 | \$ 0 | | L.F. | \$32.50 | \$0
\$0 | 0 0 | L.F. | \$32.50 | \$0
*0 |
| | | L.F. | \$27.00 | \$0 | | L.F. | \$27.00 | \$0 | 0 | L.F. | \$27.00 | \$ 0 |
| 12" Waterline | , ' | L.F. | \$21.25 | \$0 | 040 | L.F. | \$21.25 | \$0 | | L.F. | \$21.25 | \$0 |
| 10" Waterline | | L.F. | \$17.25 | \$0 | 642 | L.F. | \$17.25 | \$11,075 | 642 | L.F. | \$17.25 | \$11,075 |
| 8" Waterline | | L.F. | \$13.25 | \$ 0 | | L.F. | \$13.25 | \$0
\$0 | 0 | L.F. | \$13.25 | \$0
*** |
| 6" Waterline | | L.F. | \$10.25 | \$ 0 | 1607 | L.F. | \$10.25 | \$0 | 0 | L.F. | \$10.25 | \$0
\$44.004 |
| 4" Waterline
3" Waterline | 942 | L.F. | \$8.75 | \$0
\$7,204 | 1607
1510 | L.F. | \$8.75 | \$14,061 | 1607
2452 | L.F. | \$8.75 | \$14,061 |
| | 942 | L.F. | \$7.75 | \$7,301 | | L.F. | \$7.75 | \$11,703 | | L.F. | \$7.75 | \$19,003 |
| 2" Waterline | | L.F. | \$7.25 | \$ 0 | 1104 | L.F. | \$7.25 | \$8,004 | 1104 | L.F. | \$7.25 | \$8,004 |
| 22" Gate Valve | 1 | Each | \$3,800.00 | \$0
\$0 | [| Each | \$3,800.00 | \$0
\$0 | 0 | Each | \$3,800.00 | \$0
#0 |
| 18" Gate Valve | | Each | \$2,825.00 | \$0
*0 | | Each | \$2,825.00 | \$0
\$0 | 0 | Each | \$2,825.00 | \$0
\$ 0 |
| 16" Gate Valve | | Each | \$2,250.00 | \$ 0 | | Each | \$2,250.00 | \$ 0 | 0 | Each | \$2,250.00 | \$ 0 |
| 14" Gate Valve | | Each | \$1,475.00 | \$0 | | Each | \$1,475.00 | \$0 | 0 | Each | \$1,475.00 | \$0
*** |
| 12" Gate Valve | 1 | Each | \$1,225.00 | \$0 | | Each | \$1,225.00 | \$0 | 0 | Each | \$1,225.00 | \$0
#0 |
| 10" Gate Valve
8" Gate Valve | ļ | Each | \$970.00 | \$0
\$0 | | Each | \$970.00 | \$0
\$0 | 0 1 | Each | \$970.00 | \$0
*0 |
| 6" Gate Valve | | Each | \$710.00 | \$0
\$0 | i i | Each | \$710.00 | \$0
\$0 | 0 | Each | \$710.00 | \$0
*0 |
| 4" Gate Valve | | Each | \$535.00 | \$0
\$0 |] | Each | \$535.00 | \$0
\$0 | 0 | Each | \$535.00 | \$0
\$0 |
| 3" Gate Valve | 1 | Each
Each | \$450.00
\$380.00 | \$380 | 1 | Each | \$450.00 | \$0
\$0 | | Each | \$450.00 | \$0
\$380 |
| 2" Gate Valve | ' | Each | \$300.00
\$320.00 | \$300
\$0 | | Each
Each | \$380.00
\$320.00 | \$0
\$0 | اہٰا | Each
Each | \$380.00
\$320.00 | \$360
\$0 |
| Fire Hydrant | | Each | \$1,500.00 | \$0
\$0 | i | Each | \$1,500.00 | \$0
\$0 | 0 | Each | \$1,500.00 | \$0
\$0 |
| Pavement Repair | | L.F. | \$1,300.00 | \$0
\$0 | | L.F. | \$30.00 | \$0 | | L.F. | \$30.00 | \$0
\$0 |
| Trench Safety | 942 | L.F. | \$30.00
\$1.50 | \$1,413 | 4863 | L.F. | \$30.00
\$1.50 | \$7,295 | 5805 | L.F. | \$30.00
\$1.50 | \$8,708 |
| Trench Salety | 942 | L.F. | \$1.50 | ⊅1,413 | 4003 | L.F. | \$1.50 | \$7,295 | 5005 | L.F. | \$1.50 | \$0,700 |
| Subtotal Construction | ļ | | | \$681,994 | | | | \$183,237 | | | | \$865,230 |
| Contingencies | 15% | | | \$102,299 | 15% | | | \$27,486 | 15% | | | \$129,785 |
| Project Administration | 1% | | | \$6,820 | 1% | | | \$1,832 | 1% | | | \$8,652 |
| Engineering Design Phase | 12% | 1 | 1 | \$81,839 | 12% | ı | ł | \$21,988 | 12% | | ł | \$103,828 |
| Construction Inspection | 1% | | | \$6,820 | 1% | | | \$1,832 | 1% | | | \$8,652 |
| Geotechnical | 1% | | | \$6,820 | 1% | | | \$1,832 | 1% | | | \$8,652 |
| Design Surveying | 2% | | | \$13,640 | 2% | | | \$3,665 | 2% | | | \$17,305 |
| Construction Surveying | 1% | | | \$6,820 | 1% | | | \$1,832 | 1% | | | \$8,652 |
| Material Testing | 1% | | | \$6,820 | 1% | | | \$1,832 | 1% | | | \$8,652 |
| Engineering Construction Phase | 2% | | | \$13.640 | 2% | | | \$3,665 | 2% | | | \$17,305 |
| Easements | 5% | | | \$34,100 | 5% | | | \$9,162 | 5% | | | \$43,262 |
| Legal | 2% | | | \$13,640 | 2% | | | \$3,665 | 2% | | | \$17,305 |
| Fiscal | 2% | | | \$13,640 | 2% | | | \$3,665 | 2% | | | \$17,305 |
| Subtotal Non-Construction | | | | \$306,897 | | | | \$82,457 | | | | \$389,354 |
| TOTAL PROJECT COST | | | | \$988,891 | 1 1 | , | | \$265,693 | | | | \$1,254,584 |
| TOTAL PROJECT COST | | | | ##00,001 | | | L | 9200,083 | i | | | ₹1,204,004 |

CITY OF PINELAND FIRE FLOW IMPROVEMENTS

| | i | Phase 1 (| 2005-2010) | | - | Phase 2 (| 2025-2030) | | T | TOTAL | ROJECT | |
|--------------------------------|----------|-----------|----------------|-----------|------------|-----------|----------------|-------------|----------|---------|----------------|--------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | | | | | |
| Raw Water Intake | 1 1 | GPM | \$600.00 | \$0 | | GPM | \$600.00 | \$0.00 | 0 | GPM | \$600.00 | \$0 |
| Surface Water Treatment Plant | | MGD | \$2,500,000.00 | | | MGD | \$2,500,000.00 | \$0.00 | 0 | MGD | \$2,500,000.00 | |
| High Service Pump Station | | HP | \$250,000.00 | \$0 | ĺ | HP | \$250,000.00 | \$0.00 | 0 | HP | \$250,000.00 | \$0 |
| Ground Storage Tank | i l | Gallons | \$0.40 | \$0 | | Gallons | \$0.40 | \$0.00 | 0 | Gallons | \$0.40 | \$0 |
| Standpipe | | Gallons | \$0.55 | \$0 | | Gallons | \$0.55 | \$0.00 | 0 | Gallons | \$0.55 | \$0 |
| Service Connections | [] | Each | \$750.00 | \$0 | 1 | Each | \$750.00 | \$0.00 | 0 | Each | \$750.00 | \$0 |
| 22" Waterline | \ | L.F. | \$49.50 | \$0 | | L.F. | \$49.50 | \$0.00 | 0 | L.F. | \$49.50 | \$0 |
| 18" Waterline | | L.F. | \$38.00 | \$0 | 1 | L.F. | \$38.00 | \$0.00 | 0 | L.F. | \$38.00 | \$0 |
| 16" Waterline | | L.F. | \$32.50 | \$0 | | L.F. | \$32.50 | \$0.00 | 0 | L.F. | \$32.50 | \$0 |
| 14" Waterline | 4589 | L.F. | \$27.00 | \$123,903 | J | L.F. | \$27.00 | \$0.00 | 4589 | L.F. | \$27.00 | \$123,903 |
| 12" Waterline | | L.F. | \$21.25 | \$0 | ļ | L.F. | \$21.25 | \$0.00 | 0 | L.F. | \$21.25 | \$0 |
| 10" Waterline | 4330 | L.F. | \$17.25 | \$74,693 | | L.F. | \$17.25 | \$0.00 | 4330 | L.F. | \$17.25 | \$74,693 |
| 8" Waterline | 8449 | L.F. | \$13.25 | \$111,949 | ! | L.F. | \$13.25 | \$0.00 | 8449 | L.F. | \$13.25 | \$111,949 |
| 6" Waterline | 3766 | L.F. | \$10.25 | \$38,602 | | L.F. | \$10.25 | \$0.00 | 3766 | L.F. | \$10.25 | \$38,602 |
| 4" Waterline | 3484 | L.F. | \$8.75 | \$30,485 |) . | L.F. | \$8.75 | \$0.00 | 3484 | L.F. | \$8.75 | \$30,485 |
| 3" Waterline | 5.5. | L.F. | \$7.75 | \$0 | | L.F. | \$7.75 | \$0.00 | 0 | L.F. | \$7.75 | \$0 |
| 2" Waterline | 1 | L.F. | \$7.25 | \$0 | | L.F. | \$7.25 | \$0.00 | l ŏ | L.F. | \$7.25 | \$0 |
| 22" Gate Valve | | Each | \$3,800.00 | \$0 | | Each | \$3,800.00 | \$0.00 | Ö | Each | \$3,800.00 | \$0 |
| 18" Gate Valve | | Each | \$2,825.00 | \$0 | ĺ | Each | \$2,825.00 | \$0.00 | lő | Each | \$2,825.00 | so i |
| 16" Gate Valve | } | Each | \$2,8250.00 | \$0 | 1 . | Each | \$2,8250.00 | \$0.00 | 0 | Each | \$2,025.00 | \$0 |
| = - | | Each | | \$5,900 | · · | Each | \$2,250.00 | \$0.00 | 4 | Each | | \$5,900 |
| 14" Gate Valve | 4 | | \$1,475.00 | | | 1 | | - | | 1 | \$1,475.00 | |
| 12" Gate Valve | | Each | \$1,225.00 | \$0 | 1 | Each | \$1,225.00 | \$0.00 | 0 | Each | \$1,225.00 | \$0 |
| 10" Gate Valve | 4 | Each | \$970.00 | \$3,880 | | Each | \$970.00 | \$0.00 | 4 | Each | \$970.00 | \$3,880 |
| 8" Gate Valve | 8 | Each | \$710.00 | \$5,680 | l i | Each | \$710.00 | \$0.00 | 8 | Each | \$710.00 | \$5,680 |
| 6" Gate Valve | 3 | Each | \$535.00 | \$1,605 | | Each | \$535.00 | \$0.00 | 3 | Each | \$535.00 | \$1,605 |
| 4" Gate Valve | 3 | Each | \$450.00 | \$1,350 | · | Each | \$450.00 | \$0.00 | 3 | Each | \$450.00 | \$1,350 |
| 3" Gate Valve | | Each | \$380.00 | \$0 | | Each | \$380.00 | \$0.00 | 0 | Each | \$380.00 | \$0 |
| 2" Gate Valve | | Each | \$320.00 | \$0 | 1 | Each | \$320.00 | \$0.00 | 0 | Each | \$320.00 | \$0 |
| Fire Hydrant | [] | Each | \$1,500.00 | \$0 | i 1 | Each | \$1,500.00 | \$0.00 | 0 | Each | \$1,500.00 | \$0 |
| Pavement Repair | 2735 | L.F. | \$30.00 | \$82,060 | | L.F. | \$30.00 | \$0.00 | 2735 | L.F. | \$30.00 | \$82,060 |
| Trench Safety | 24618 | L.F. | \$1.50 | \$36,927 | | L.F. | \$1.50 | \$0.00 | 24618 | L.F. | \$1.50 | \$36,927 |
| Subtotal Construction | | | | \$517,033 | | | 1 | \$0.00 | , | | | \$517,033 |
| Subtotal Collect (ICtion | l i | | ł | \$317,033 | } | | } | \$0.00 | i i | | } | 4011,033 |
| Contingencies | 15% | | | \$77,555 | 15% | | | | 15% | | 1 | \$77,555 |
| Project Administration | 1% | | | \$5,170 | 1% | | 1 | | 1% | | | \$5,170 |
| Engineering Design Phase | 12% | | | \$62,044 | 12% | | | | 12% | | | \$62,044 |
| Construction Inspection | 1% | | | \$5,170 | 1% | | | | 1% | | | \$5,170 |
| Geotechnical | 1% | | ſ | \$5,170 | 1% | | [| | 1% | | [| \$5,170 |
| Design Surveying | 2% | | | \$10,341 | 2% | | | | 2% | | | \$10,341 |
| Construction Surveying | 1% | | | \$5,170 | 1% | | | | 1% | | ļ | \$5,170 |
| | 1% | | | \$5,170 | 1% | | | | 1% | | ĺ | \$5,170
\$5,170 |
| Material Testing | 2% | | ļ | \$10,341 | 2% | | j j | | 2% | | J | |
| Engineering Construction Phase | 2%
5% | | ļ | | | | | | 2%
5% | | | \$10,341 |
| Easements | | | | \$25,852 | 5% | | | | | | | \$25,852 |
| Legal | 2% | | | \$10,341 | 2% | | | | 2% | | | \$10,341 |
| Fiscal | 2% | | | \$10,341 | 2% | | | | 2% | | ļ | \$10,341 |
| Subtotal Non-Construction | | | | \$232,665 | | l | | | | l | | \$232,665 |
| TOTAL PROJECT COST | | | | \$749,698 | | | | | | | | \$749,698 |

G-M WATER SUPPLY CORPORATION WATER SYSTEM IMPROVEMENTS

| <u> </u> | | Phase 1 (| 2005-2010) | | | Phase 2 (2 | (0025-2030) | | | TOTAL F | ROJECT | |
|--------------------------------|----------|-----------|----------------|---------------------|----------|------------|------------------|-----------------|----------|---------|------------------|------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | _ | | | | | | | | |
| Raw Water Intake | 701 | GPM | \$600.00 | \$420,600 | 236 | GPM | \$600.00 | \$141,600 | 937 | GPM | \$600.00 | \$562,200 |
| Surface Water Treatment Plant | 1.01 | MGD | \$2,500,000.00 | \$2,525,000 | 0.34 | MGD | \$2,500,000.00 | \$850,000 | 1.35 | MGD | \$2,500,000.00 | \$3,375,000 |
| High Service Pump Station | 0.7 | Each | \$250,000.00 | \$175,000 | i | Each | \$250,000.00 | \$0 | 0.7 | Each | \$250,000.00 | \$175,000 |
| Ground Storage Tank | 1 | Gallons | \$0.40 | \$0 | 10000 | Gallons | \$0.40 | \$4,000 | 10000 | Gallons | \$0.40 | \$4,000 |
| Standpipe | 75000 | Gallons | \$0.55 | \$41,250 | 115000 | Gallons | \$0.55 | \$63,250 | 190000 | Gallons | \$0.55 | \$104,500 |
| Service Connections | 578 | Each | \$750.00 | \$433,500 | 385 | Each | \$750.00 | \$288,750 | 963 | Each | \$750.00 | \$722,250 |
| 22" Waterline | | L.F. | \$49.50 | \$0 | | L.F. | \$49.50 | \$0 | 0 | L.F. | \$49.50 | \$0 |
| 18" Waterline | | L.F. | \$38.00 | \$0 | | L.F. | \$38.00 | \$0 | 0 | L.F. | \$38.00 | \$0 |
| 16" Waterline | | L.F. | \$32.50 | \$0 | | L.F. | \$32.50 | \$0 | 0 | L.F. | \$32.50 | \$0 |
| 14" Waterline | 1 . | L.F. | \$27.00 | \$0 | | L.F. | \$27.00 | \$0 | 0 | L.F. | \$27.00 | \$0 |
| 12" Waterline | 17790 | L.F. | \$21.25 | \$378,038 | | L.F. | \$21.25 | \$0 | 17790 | L.F. | \$21.25 | \$378,038 |
| 10" Waterline | 8938 | L.F. | \$17.25 | \$154,181 | 6980 | L.F. | \$17.25 | \$120,405 | 15918 | L.F. | \$17.25 | \$274,586 |
| 8" Waterline | 55912 | L.F. | \$13.25 | \$740,834 | 13344 | L.F. | \$13.25 | \$176,808 | 69256 | L.F. | \$13.25 | \$917,642 |
| 6" Waterline | 39104 | L.F. | \$10.25 | \$400.816 | 1936 | L.F. | \$10.25 | \$19,844 | 41040 | L.F. | \$10.25 | \$420,660 |
| 4" Waterline | 45194 | L.F. | \$8.75 | \$395,448 | 1330 | L.F. | \$8.75 | \$0 | 45194 | L.F. | \$8.75 | \$395,448 |
| 3" Waterline | 16434 | L.F. | \$7.75 | \$127,364 |] | L.F. | \$6.75
\$7.75 | \$0
\$0 | 16434 | L.F. | \$6.75
\$7.75 | \$127,364 |
| 2" Waterline | 1019 | L.F. | \$7.25 | \$7,388 | | L.F. | \$7.75
\$7.25 | \$0
\$0 | 1019 | L.F. | \$7.75
\$7.25 | \$7,388 |
| 22" Gate Valve | 1019 | Each | \$3,800.00 | \$0 | 1 | Each | | \$0
\$0 | 0 | Each | | |
| | | | 7 - 7 - 1 | | | | \$3,800.00 | | | | \$3,800.00 | \$0
\$0 |
| 18" Gate Valve | 1 1 | Each | \$2,825.00 | \$0 | ľ | Each | \$2,825.00 | \$0 | 0 | Each | \$2,825.00 | \$0 |
| 16" Gate Valve | | Each | \$2,250.00 | \$0 | | Each | \$2,250.00 | \$ 0 | 0 | Each | \$2,250.00 | \$0 |
| 14" Gate Valve | | Each | \$1,475.00 | \$0 | | Each | \$1,475.00 | \$0 | 0 | Each | \$1,475.00 | \$0 |
| 12" Gate Valve | 18 | Each | \$1,225.00 | \$21,793 | 1 _ | Each | \$1,225.00 | \$0 | 18 | Each | \$1,225.00 | \$21,793 |
| 10" Gate Valve | 9 | Each | \$970.00 | \$8,670 | 7 | Each | \$970.00 | \$6,771 | 16 | Each | \$970.00 | \$15,440 |
| 8" Gate Valve | 56 | Each | \$710.00 | \$39,698 | 13 | Each | \$710.00 | \$ 9,474 | 69 | Each | \$710.00 | \$ 49,172 |
| 6" Gate Valve | 39 | Each | \$535.00 | \$20,921 | 2 | Each | \$535.00 | \$1,036 | 41 | Each | \$535.00 | \$21,956 |
| 4" Gate Valve | 45 | Each | \$450.00 | \$20,337 | | Each | \$450.00 | \$0 | 45 | Each | \$450.00 | \$20,337 |
| 3" Gate Valve | 16 | Each | \$380.00 | \$6,245 | | Each | \$380.00 | \$0 | 16 | Each | \$380.00 | \$6,245 |
| 2" Gate Valve |] 1 | Each | \$320.00 | \$326 | | Each | \$320.00 | \$0 | 1 1 | Each | \$320.00 | \$326 |
| Fire Hydrant | | Each | \$1,500.00 | \$0 | | Each | \$1,500.00 | \$0 | 0 | Each | \$1,500.00 | \$ 0 |
| Pavement Repair | 12293 | S.Y. | \$30.00 | \$368,782 | 1484 | S.Y. | \$30.00 | \$44,520 | 13777 | S.Y. | \$30.00 | \$413,302 |
| Trench Safety | 184391 | L.F. | \$1.50 | \$276,587 | 22260 | L.F. | \$1.50 | \$33,390 | 206651 | L.F. | \$1.50 | \$309,977 |
| Subtotal Construction | , | | ļ | \$6,562,77 4 | | | | \$1,759,848 |) | | | \$8,322,622 |
| | | | | | | | | | | | | |
| Contingencies | 15% | | | \$984,416 | 15% | | | \$263,977 | 15% | | | \$1,248,393 |
| Project Administration | 1% | | | \$65,628 | 1% | | | \$17,598 | 1% | | | . \$83,226 |
| Engineering Design Phase | 12% | | | \$787,533 | 12% | | | \$211,182 | 12% | | | \$998,715 |
| Construction Inspection | 1% | | | \$65,628 | 1% | | | \$17,598 | 1% | | | \$83,226 |
| Geotechnical | 1% | | 1 | \$65,628 | 1% | | | \$17,598 | 1% | | | \$83,226 |
| Design Surveying | 2% | | | \$131,255 | 2% | | | \$35,197 | 2% | | | \$166,452 |
| Construction Surveying | 1% | | | \$65,628 | 1% | |] | \$17,598 | 1% | | | \$83,226 |
| Material Testing | 1% | | | \$65,628 | 1% | | } | \$17,598 | 1% | | | \$83,226 |
| Engineering Construction Phase | 2% | | | \$131,255 | 2% | | | \$35,197 | 2% | | | \$166,452 |
| Easements | 5% | | i | \$328,139 | 5% | | | \$87,992 | 5% | | | \$416,131 |
| Legal | 2% | | | \$131,255 | 2% | | | \$35,197 | 2% | | | \$166,452 |
| Fiscal | 2% | | | \$131,255 | 2% | | | \$35,197 | 2% | | | \$166,452 |
| | | | 1 | | | | | , | | 1 | | |
| Subtotal Non-Construction | | | | \$2,953,248 | | | | \$791,931 | | | | \$3,745,180 |
| TOTAL PROJECT COST | | | | \$9,516,023 | | | | \$2,551,779 | | | | \$12,067,802 |

BEECHWOOD WATER SUPPLY CORPORATION WATER SYSTEM IMPROVEMENTS

| | | Phase 1 (| 2005-2010) | | | Phase 2 (| 2025-2030) | - | | TOTAL | PROJECT | |
|--|----------|-----------|------------------|----------------------|----------|-----------|----------------|------------|----------|---------|----------------|-------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | | | | | |
| Raw Water Intake | 340 | GPM | \$600.00 | \$204,000 | 42 | GPM | \$600.00 | \$25,200 | 382 | GPM | \$600.00 | \$229,200 |
| Surface Water Treatment Plant | 0.49 | MGD | \$2,500,000.00 | \$1,225,000 | 0.06 | MGD | \$2,500,000.00 | \$150,000 | 0.55 | MGD | \$2,500,000.00 | \$1,375,000 |
| High Service Pump Station | 0.8 | Each | \$250,000.00 | \$200,000 | | Each | \$250,000.00 | \$0 | 0.8 | Each | \$250,000.00 | \$200,000 |
| Ground Storage Tank | | Gallons | \$0.40 | \$0 | i | Gallons | \$0.40 | \$0 | 0 | Gallons | \$0.40 | \$0 |
| Standpipe | i 1 | Gallons | \$0.55 | \$o | | Gallons | \$0.55 | \$o | 0 | Gallons | \$0.55 | \$0 |
| Service Connections | 98 | Each | \$750.00 | \$73,500 | 66 | Each | \$750.00 | \$49,500 | 164 | Each | \$750.00 | \$123,000 |
| 22" Waterline | | L.F. | \$49.50 | \$0 | | L.F. | \$49.50 | \$0 | 0 | L.F. | \$49.50 | \$0 |
| 18" Waterline | | Ľ.F. | \$38.00 | \$0 | Ì | L.F. | \$38.00 | \$0 | Ô | L.F. | \$38.00 | \$0 |
| 16" Waterline | | L.F. | \$32.50 | \$0 | | L.F. | \$32.50 | \$0 | Ô | L.F. | \$32.50 | \$0 |
| 14" Waterline | | L.F. | \$27.00 | \$0 | ! | L.F. | \$27.00 | \$0 | o | L.F. | \$27.00 | \$0 |
| 12" Waterline | | L.F. | \$21.25 | \$0 | | L.F. | \$21.25 | \$0 | ő | L.F. | \$21.25 | \$0 |
| 10" Waterline | 10 | L.F. | \$17.25 | \$173 | i | L.F. | \$17.25 | \$0 | 10 | L.F. | \$17.25 | \$173 |
| 8" Waterline | 240 | L.F. | \$13.25 | \$3,180 | 3348 | L.F. | \$13.25 | \$44,361 | 3588 | L.F. | \$13.25 | \$47,541 |
| 6" Waterline | 5388 | L.F. | \$10.25 | \$55,100 | 1662 | L.F. | \$10.25 | \$17,036 | 7050 | L.F. | \$10.25 | \$72,263 |
| 4" Waterline | 188 | L.F. | \$8.75 | \$1,645 | 3252 | L.F. | \$8.75 | \$28,455 | 3440 | L.F. | \$8.75 | \$30,100 |
| 3" Waterline | 100 | L.F. | \$7.75 | \$1,043 | 936 | L.F. | \$7.75 | \$7,254 | 936 | L.F. | \$7.75 | \$7,254 |
| 2" Waterline | | L.F. | \$7.75
\$7.25 | \$0 | 103 | L.F. | \$7.75 | \$7,254 | 103 | L.F. | \$7.75 | \$7,234 |
| | | | | | 103 | , | * | 1 * | | | | |
| 22" Gate Valve | | Each | \$3,800.00 | \$0
\$0 | | Each | \$3,800.00 | \$0 | 0 | Each | \$3,800.00 | \$0 |
| 18" Gate Valve | i | Each | \$2,825.00 | | 1 | Each | \$2,825.00 | \$0
*** | _ | Each | \$2,825.00 | \$0 |
| 16" Gate Valve | | Each | \$2,250.00 | \$0 | i | Each | \$2,250.00 | \$0 | 0 | Each | \$2,250.00 | \$0 |
| 14" Gate Valve | | Each | \$1,475.00 | \$0 | | Each | \$1,475.00 | \$0 | 0 | Each | \$1,475.00 | \$0 |
| 12" Gate Valve | | Each | \$1,225.00 | \$0 | | Each | \$1,225.00 | \$0 | 0 | Each | \$1,225.00 | \$0 |
| 10" Gate Valve | 1 | Each | \$970.00 | \$970 | 1 | Each | \$970.00 | \$0 | 1 | Each | \$970.00 | \$970 |
| 8" Gate Valve | 1 1 | Each | \$710.00 | \$710 | 3 | Each | \$710.00 | \$2,130 | 4 | Each | \$710.00 | \$2,840 |
| 6" Gate Valve | 5 | Each | \$535.00 | \$2,675 | 1 | Each | \$535.00 | \$535 | 6 | Each | \$535.00 | \$3,210 |
| 4" Gate Valve | 1 | Each | \$450.00 | \$450 | 3 | Each | \$450.00 | \$1,350 | 4 | Each | \$450.00 | \$1,800 |
| 3" Gate Valve | | Each | \$380.00 | \$0 | 1 | Each | \$380.00 | \$380 | 1 | Each | \$380.00 | \$380 |
| 2" Gate Valve | | Each | \$320.00 | \$0 | 1 1 | Each | \$320.00 | \$320 | 1 | Each | \$320.00 | \$320 |
| Fire Hydrant | | Each | \$1,500.00 | \$0 | | Each | \$1,500.00 | \$0 | 0 | Each | \$1,500.00 | \$0 |
| Pavement Repair | 647 | S.Y. | \$30.00 | \$19,420 | 1033 | S.Y. | \$30.00 | \$31,003 | 1681 | S.Y. | \$30.00 | \$50,423 |
| Trench Safety | 5826 | L.F. | \$1.50 | \$8,739 | 9301 | L.F. | \$1.50 | \$13,952 | 15127 | L.F. | \$1.50 | \$22,691 |
| 1 | | | | | ļ | | | | | | | |
| Subtotal Construction | | | | \$1,795,689 | | | | \$372,222 | | ĺ | | \$2,167,911 |
| Contingencies | 15% | | | \$269,353 | 15% | | | \$55,833 | 15% | | | \$325,187 |
| Project Administration | 1% | | | \$17,957 | 1% | | | \$3,722 | 1% | | ! | \$21,679 |
| Engineering Design Phase | 12% | | | \$215.483 | 12% | | | \$44,667 | 12% | | 1 | \$260,149 |
| Construction Inspection | 1% | | 1 | \$17,957 | 1% | | | \$3,722 | 1% | ĺ | 1 | \$21,679 |
| Geotechnical | 1% | | | \$17,957 | 1% | | | \$3,722 | 1% | | | \$21,679 |
| Design Surveying | 2% | | | \$35,914 | 2% | | | \$7,444 | 2% | | | \$43,358 |
| Construction Surveying | 1% | | | \$17.957 | 1% | | 1 | \$3,722 | 1% | | | \$21,679 |
| Material Testing | 1% | |] | \$17,957 | 1% | | J | \$3,722 | 1% | ļ | | \$21,679 |
| Engineering Construction Phase | 2% | | | \$35.914 | 2% | | | \$7,444 | 2% | | | \$43,358 |
| Easements | 5% | | | \$89,784 | 5% | | | \$18,611 | 5% | 1 | | \$108,396 |
| The state of the s | 2% | | | \$35,914 | 2% | | | \$7,444 | 2% | | | \$43,358 |
| Legal | 2%
2% | | | \$35,914
\$35,914 | 2%
2% | | | | 2%
2% | | | \$43,358 |
| Fiscal | 2% | | | \$35,914
 | 2% | | | \$7,444 | 2% | | | \$43,358 |
| Subtotal Non-Construction | | | | \$808,060 | | | | \$167,500 | | | | \$975,560 |
| TOTAL PROJECT COST | | | | \$2,603,748 | | | | \$539,722 | | L | | \$3,143,470 |

SOUTH SABINE WATER SUPPLY CORPORATION WATER SYSTEM IMPROVEMENTS

| | | Phase 1 (| 2005-2010) | | | Phase 2 (| 2025-2030) | | | TOTAL | ROJECT | |
|--------------------------------|----------|-----------|-------------------|----------------------|----------|-----------|----------------|----------------------|----------|--------------|----------------|----------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | | | | | , and the second |
| Raw Water Intake | 264 | GPM | \$600.00 | \$158,400 | 69 | GPM | \$600.00 | \$41,400 | 333 | GPM | \$600.00 | \$199,800 |
| Surface Water Treatment Plant | 0.38 | MGD | \$2,500,000.00 | \$950,000 | 0.1 | MGD | \$2,500,000.00 | \$250,000 | 0.48 | MGD | \$2,500,000.00 | \$1,200,000 |
| High Service Pump Station | 0.2 | Each | \$250,000.00 | \$50,000 | | Each | \$250,000.00 | \$0 | 0.2 | Each | \$250,000.00 | \$50,000 |
| Ground Storage Tank | | Gallons | \$0.40 | \$0 | | Gallons | \$0.40 | \$0 | 0 | Gallons | \$0.40 | \$0 |
| Standpipe | j | Gallons | \$0.55 | \$0 | | Gallons | \$0.55 | \$0 | 101 | Gallons | \$0.55 | \$o |
| Service Connections | 162 | Each | \$750.00 | \$121,500 | 108 | Each | \$750.00 | \$81,000 | 270 | Each | \$750.00 | \$202,500 |
| 22" Waterline | | L.F. | \$49.50 | \$0 | | L.F. | \$49.50 | \$0 | 0 | L.F. | \$49.50 | \$0 |
| 18" Waterline | 1 | L.F. | \$38.00 | \$0 | | L.F. | \$38.00 | \$0 | 0 | L.F. | \$38.00 | \$0 |
| 16" Waterline | ! ! | L.F. | \$32.50 | \$0 | | L.F. | \$32.50 | \$0 | 101 | L.F. | \$32.50 | \$0 |
| 14" Waterline | 10985 | L.F. | \$27.00 | \$296,595 | 535 | L.F. | \$27.00 | \$14,445 | 11520 | L.F. | \$27.00 | \$311,040 |
| 12" Waterline | 4560 | L.F. | \$21.25 | \$96,900 | 10295 | L.F. | \$21.25 | \$218,769 | 14855 | L.F. | \$21.25 | \$315,669 |
| 10" Waterline | 10295 | L.F. | \$17.25 | \$177,589 | 11145 | L.F. | \$17.25 | \$192,251 | 21440 | L.F. | \$17.25 | \$369,840 |
| 8" Waterline | 17470 | L.F. | \$13.25 | \$231,478 | 440 | L.F. | \$13.25 | \$5,830 | 17910 | L.F. | \$13.25 | \$237,308 |
| 6" Waterline | 8960 | L.F. | \$10.25 | \$91,840 | , ,,, | L.F. | \$10.25 | \$0 | 8960 | L.F. | \$10.25 | \$91,840 |
| 4" Waterline | | L.F. | \$8.75 | \$0 | | L.F. | \$8.75 | \$0 | 0 | L.F. | \$8.75 | \$0 |
| 3" Waterline | | L.F. | \$7.75 | \$0 | 170 | L.F. | \$7.75 | \$1,318 | 170 | L.F. | \$7.75 | \$1,318 |
| 2" Waterline | ĺĺ | L.F. | \$7.25 | \$0 | | L.F. | \$7.25 | \$0 | 0 1 | L.F. | \$7.25 | \$0 |
| 22" Gate Valve | ĺ | Each | \$3,800.00 | \$ 0 | | Each | \$3,800.00 | \$0 | 0 | Each | \$3,800.00 | \$0 |
| 18" Gate Valve | | Each | \$2,825.00 | \$0 | | Each | \$2,825.00 | \$0 | Ö | Each | \$2,825.00 | \$0 |
| 16" Gate Valve | | Each | \$2,250.00 | \$0 | | Each | \$2,250.00 | \$0 | ŏ | Each | \$2,250.00 | \$0 |
| 14" Gate Valve | 10 | Each | \$1,475.00 | \$14,750 | 1 1 | Each | \$1,475.00 | \$1,475 | 11 | Each | \$1,475.00 | \$16,225 |
| 12" Gate Valve | 4 | Each | \$1,225.00 | \$4,900 | 10 | Each | \$1,225.00 | \$12,250 | 14 | Each | \$1,475.00 | \$17,150 |
| 10" Gate Valve | 10 | Each | \$970.00 | \$9,700 | 11 | Each | \$970.00 | \$10,670 | 21 | Each | \$970.00 | \$20.370 |
| 8" Gate Valve | 17 | Each | \$710.00 | \$12,070 | 4 | Each | \$710.00 | \$2,840 | 21 | Each | \$710.00 | \$14,910 |
| 6" Gate Valve | 8 | Each | \$535.00 | \$4,280 | " | Each | \$535.00 | \$2,040 | 8 | Each | \$535.00 | \$4,280 |
| 4" Gate Valve | " | Each | \$450.00 | \$0 | | Each | \$450.00 | \$0 | 0 | Each | \$450.00 | \$0 |
| 3" Gate Valve | | Each | \$380.00 | \$0
\$0 | 1 | Each | \$380.00 | \$380 | 1 1 | Each | \$380.00 | \$380 |
| 2" Gate Valve | (| Each | \$320.00 | \$0 | ' ' | Each | \$320.00 | \$0 | Ö | Each | \$320.00 | \$300
\$0 |
| Fire Hydrant |] | Each | \$1,500.00 | \$0
\$0 | 1 | Each | \$1,500.00 | \$0
\$0 | 0 0 | Each | \$1,500.00 | \$0 |
| Pavement Repair | 3485 | S.Y. | \$30.00 | \$104.540 | 1506 | S.Y. | \$30.00 | \$45,170 | 4990 | S.Y. | \$30.00 | \$149,710 |
| Trench Safety | 52270 | L.F. | \$30.00
\$1.50 | \$78,405 | 22585 | L.F. | \$30.00 | \$45,170
\$33,878 | 74855 | 5.1.
L.F. | \$1.50 | \$149,710 |
| Trench Salety | 522/0 | L.F. | φ1.50 | 3/0,400 | 22365 | L.F. | (\$1.50 | \$33,070 | 74655 | L.F. | \$1.50 | \$112,203 |
| Subtotal Construction | | | | \$2,402,946 | ļ | | | \$911,675 | | | | \$3,314,621 |
| Contingencies | 15% | | | \$360,442 | 15% | | ļ ļ | \$136,751 | 15% | | ļ | \$497,193 |
| Project Administration | 1% | | | \$24,029 | 1% | |] [| \$9,117 | 1% | | 1 | \$33,146 |
| Engineering Design Phase | 12% | | | \$288,354 | 12% | | | \$109,401 | 12% | | | \$397,755 |
| Construction Inspection | 1% | | | \$24,029 | 1% | | | \$9,117 | 1% | | | \$33,146 |
| Geotechnical | 1% | | [| \$24,029 | 1% | ·
! | ĺ | \$9,117 | 1% | | ĺ | \$33,146
\$33,146 |
| Design Surveying | 2% | | | \$24,029
\$48.059 | 2% | | | \$18,234 | 2% | | | \$66,292 |
| Construction Surveying | 1% | | | \$24,029 | 1% | | | \$9,117 | 1% | | | \$33,146 |
| Material Testing | 1% | |] | \$24,029 | 1% | | , , | \$9,117
\$9,117 | 1% | | ļ | \$33,146 |
| Engineering Construction Phase | 2% | | | \$48,059 | 2% | 1 | | \$9,117
\$18,234 | 2% | | | \$66,292 |
| Easements | 5% | | j l | \$120,147 | 5% | | | \$45,584 | 5% | | l | \$165,731 |
| Legal | 2% | | | \$48,059 | 2% | | | \$45,564
\$18,234 | 2% | | | \$66,292 |
| Legal
Fiscal | 2% | | | \$48,059
\$48.059 | 2% | | , , | \$18,234 | 2% | | l | \$66,292 |
| Fiscal | ₹70 | | | #40,009 <u> </u> | ∠70 | |] | #10,23 4 | 270 | | | \$00,292 |
| Subtotal Non-Construction | | | | \$1,081,326 | | | | \$410,254 | | | | \$1,491,580 |
| TOTAL PROJECT COST | | |] | \$3,484,272 | } | | } | \$1,321,929 | } | | } | \$4,806,201 |

EL CAMINO BAY WATER SUPPLY CORPORATION WATER SYSTEM IMPROVEMENTS

| | | Phase 1 (2 | 2005-2010) | _ | | Phase 2 (| 2025-2030) | | | TOTAL | PROJECT | |
|--------------------------------|----------|------------|----------------|----------------------|----------|-----------|----------------|--------------|----------|---------|----------------|------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | | | | | |
| Raw Water Intake | 69 | GPM | \$600.00 | \$41,400 | | GPM | \$600.00 | \$0 | 69 | GPM | \$600.00 | \$41,400 |
| Surface Water Treatment Plant | 0.1 | MGD | \$2,500,000.00 | \$250,000 | | MGD | \$2,500,000.00 | \$0 | 0.1 | MGD | \$2,500,000.00 | \$250,000 |
| High Service Pump Station | 0.05 | Each | \$250,000.00 | \$12,500 | | Each | \$250,000.00 | \$0 | 0.05 | Each | \$250,000.00 | \$12,500 |
| Ground Storage Tank | i | Gallons | \$0.40 | \$0 | | Gallons | \$0.40 | \$0 | 0 | Gallons | \$0.40 | \$0 |
| Standpipe | | Gallons | \$0.55 | \$0 | | Gallons | \$0.55 | \$0 | 0 | Gallons | \$0.55 | \$0 |
| Service Connections | | Each | \$750.00 | \$0 | | Each | \$750.00 | \$0 | 0 | Each | \$750.00 | \$0 |
| 22" Waterline | | L.F. | \$49.50 | \$0 | | L.F. | \$49.50 | \$0 | 0 | L.F. | \$49.50 | \$0 |
| 18" Waterline | | L.F. | \$38.00 | \$0 | | L.F. | \$38.00 | \$o | 0 | L.F. | \$38.00 | \$0 |
| 16" Waterline | | L.F. | \$32.50 | \$0 | | L.F. | \$32.50 | \$0 | 0 | L.F. | \$32.50 | \$0 |
| 14" Waterline | | L.F. | \$27.00 | \$0 | | L.F. | \$27.00 | \$0 | 0 | L.F. | \$27.00 | \$0 |
| 12" Waterline | | L.F. | \$21.25 | \$ 0 | j | L.F. | \$21.25 | \$0 | 0. | L.F. | \$21.25 | \$0 |
| 10" Waterline | | L.F. | \$17.25 | \$0 | | L.F. | \$17.25 | \$0 | 0 | L.F. | \$17.25 | \$0 |
| 8" Waterline | i | L.F. | \$13,25 | \$0 | | L.F. | \$13.25 | \$0 | ō | L.F. | \$13.25 | \$0 |
| 6" Waterline | 9 | L.F. | \$10.25 | \$92 | 376 | L.F. | \$10.25 | \$3.854 | 385 | L.F. | \$10.25 | \$3.946 |
| 4" Waterline | 89 | L.F. | \$8.75 | \$779 | J. J | L.F. | \$8.75 | \$0 | 89 | L.F. | \$8.75 | \$779 |
| 3" Waterline | | L.F. | \$7.75 | \$0 | | L.F. | \$7.75 | \$0 | 0 | L.F. | \$7.75 | \$0 |
| 2" Waterline | | L.F. | \$7.25 | \$0
\$0 | 175 | L.F. | \$7.25 | \$1,269 | 175 | L.F. | \$7.25 | \$1,269 |
| 22" Gate Valve | | Each | \$3,800.00 | \$0 | 1,,5 | Each | \$3,800.00 | \$1,203 | 0 1 | Each | \$3,800.00 | \$1,203 |
| 18" Gate Valve | | Each | \$2,825.00 | \$0 | | Each | \$2,825.00 | \$0 | 0 | Each | \$2,825.00 | \$0 |
| 16" Gate Valve | | Each | \$2,250.00 | \$0 | | Each | \$2,825.00 | \$0 | ő | Each | \$2,025.00 | \$0 |
| 14" Gate Valve | | Each | \$1,475.00 | \$0 | | Each | \$1,475.00 | \$0 | 0 | Each | | \$0 |
| 12" Gate Valve | | Each | | \$0
\$0 | | | | | 0 | l . | \$1,475.00 | \$0
\$0 |
| 10" Gate Valve | | | \$1,225.00 | \$0 | | Each | \$1,225.00 | \$0 | 1 - 1 | Each | \$1,225.00 | \$0
\$0 |
| | | Each | \$970.00 | \$0
\$0 | | Each | \$970.00 | \$0 | 0 | Each | \$970.00 | |
| 8" Gate Valve | | Each | \$710.00 | | | Each | \$710.00 | \$0 | 0 | Each | \$710.00 | \$0 |
| 6" Gate Valve | | Each | \$535.00 | \$0 | 1 | Each | \$535.00 | \$535 | 1 | Each | \$535.00 | \$535 |
| 4" Gate Valve | 1 | Each | \$450.00 | \$450 | | Each | \$450.00 | \$0 | 1 | Each | \$450.00 | \$450 |
| 3" Gate Valve | | Each | \$380.00 | \$0 | | Each | \$380.00 | \$0 | 0 | Each | \$380.00 | \$0 |
| 2" Gate Valve | | Each | \$320.00 | \$0 | 1 | Each | \$320.00 | \$320 | 1 1 | Each | \$320.00 | \$320 |
| Fire Hydrant | | Each | \$1,500.00 | \$0 | | Each | \$1,500.00 | \$0 | 0 | Each | \$1,500.00 | \$0 |
| Pavement Repair | 11 | S.Y. | \$30.00 | \$327 | 61 | S.Y. | \$30.00 | \$1,837 | 72 | S.Y. | \$30.00 | \$2,163 |
| Trench Safety | 98 | L.F. | \$1.50 | \$147 | 551 | L.F. | \$1.50 | \$827 | 649 | L.F. | \$1.50 | \$974 |
| Subtotal Construction | | | | \$305,695 | | | | \$8,641 | | | | \$314,336 |
| | | | | | | | | ! | | | ļ | |
| Contingencies | 15% | , | | \$45,854 | 15% | | | \$1,296 | 15% | | | \$47,150 |
| Project Administration | 1% | | ĺ | \$3,057 | 1% | | ſ | \$86 | 1% | | [| \$3,143 |
| Engineering Design Phase | 12% | | | \$36,683 | 12% | | | \$1,037 | 12% | | | \$37,720 |
| Construction Inspection | 1% | , | | \$3,057 | 1% | | | \$86 | 1% | | ! | \$3,143 |
| Geotechnical | 1% | | : | \$3,057 | 1% | | | \$86 | 1% | | | \$3,143 |
| Design Surveying | 2% | | | \$6,114 | 2% | | 1 | \$173 | 2% | | | \$6,287 |
| Construction Surveying | 1% | | | \$3,057 | 1% | | | \$86 | 1% | | | \$3,143 |
| Material Testing | 1% | | | \$3,057 | 1% | | 1 | \$ 86 | 1% | 1 | (| \$3,143 |
| Engineering Construction Phase | 2% | | | \$6,114 | 2% | | 1 | \$173 | 2% | | ĺ | \$6,287 |
| Easements | 5% | | | \$15,285 | 5% | | | \$432 | 5% | | | \$15,717 |
| Legal | 2% | | 1 | \$6,114 | 2% | | 1 | \$173 | 2% | | 1 | \$6,287 |
| Fiscal | 2% | | | \$6,114 | 2% | | | \$173 | 2% | | | \$6,287 |
| Subtotal Non-Construction | | | | \$ 137,563 | | | | \$3,888 | | | | \$141,451 |
| TOTAL DDO JECT COST | | | | \$44 3,257 | | | | \$12,529 | | | | £455 707 |
| TOTAL PROJECT COST | | | L | 344 3,23/ | | | <u> </u> | #12,529 | | | L | \$455,787 |

SABINE COUNTY TOTAL WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| Conventional Wastewater Treatment Plant (0.11 MGD) 1 Each S610,000 0 S610,000 0 S610,000 0 S610,000 0 S650,000 0 S0 0 Each S650,000 0 S | \$260,000
\$310,000
\$350,000
\$440,000
\$1,560,000
\$11,300,000
\$1,300,000
\$1,927,406
\$1,902,045
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327
\$263,750 |
|---|---|
| Conventional Wastewater Treatment Plant (0 03 MGD) 0 Each \$260,000 00 \$0 0 Each \$310,000 00 \$0 1 Each \$310,000 00 \$0 0 Each \$310,000 | \$310,000
\$350,000
\$440,000
\$1,560,000
\$610,000
\$1,300,000
\$1,927,406
\$1,902,045
\$1,699,160
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| Conventional Wastewater Treatment Plant (0 0 4 MGD) O | \$310,000
\$350,000
\$440,000
\$1,560,000
\$610,000
\$1,300,000
\$1,927,406
\$1,902,045
\$1,699,160
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| Conventional Wastewater Treatment Plant (0.05 MGD) Conventional Wastewater Treatment Plant (0.07 MGD) Conventional Wastewater Treatment Plant (0.07 MGD) Conventional Wastewater Treatment Plant (0.11 MGD) Each \$350,000.00 \$0 Each \$440,000.00 \$0 Each \$520,000.00 \$0 Each | \$350,000
\$440,000
\$1,560,000
\$610,000
\$1,300,000
\$1,927,406
\$1,902,045
\$1,699,160
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| Conventional Wastewater Treatment Plant (0,09 MGD) 1 | \$440,000
\$1,560,000
\$610,000
\$1,300,000
\$1,927,406
\$1,902,045
\$1,699,160
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| Conventional Wastewater Treatment Plant (0.03 MGD) 1 Each 5520,000 00 5520,000 3 Each 5520,000 00 520,000 3 Each 5520,000 00 520,000 3 Each 550,000 00 50 Conventional Wastewater Treatment Plant (0.11 MGD) 0 Each 5560,000 00 50 0 Each 550,000 00 50 Each 550,000 00 50 0 Each 550,000 00 50 0 Each 550,000 00 50 Eac | \$1,560,000
\$610,000
\$1,300,000
\$1,327,406
\$1,902,045
\$1,699,160
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| Conventional Wastewater Treatment Plant (0.11 MGD) 1 | \$610,000
\$1,300,000
\$1,927,406
\$1,902,045
\$1,699,160
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| Conventional Wastewater Treatment Plant (0.12 MGD) 0 | \$1,300,000
\$1,927,406
\$1,902,045
\$1,699,160
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| 6" Gravity Collection Line (12'-14' Deep) | \$1,927,406
\$1,902,045
\$1,699,160
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| 6" Gravity Collection Line (10°-12° Deep) 28244 L.F. \$18.75 \$529.575 20019.2 L.F. \$18.75 \$3375.360 \$53179.2 L.F. \$18.75 \$990.170 \$101442.4 L.F. \$18.75 6" Gravity Collection Line (6°-10° Deep) 28244 L.F. \$16.05 \$473.091 2019.2 L.F. \$16.75 \$335.322 \$53179.2 L.F. \$16.00 \$850.867 \$101442.4 L.F. \$16.00 \$6" Gravity Collection Line (6°-10° Deep) 28244 L.F. \$16.00 \$451.904 20019.2 L.F. \$16.00 \$320.307 \$53179.2 L.F. \$16.00 \$850.867 \$101442.4 L.F. \$16.00 \$6" Gravity Collection Line (4°-6° Deep) 28244 L.F. \$16.00 \$451.904 20019.2 L.F. \$16.00 \$320.307 \$53179.2 L.F. \$16.00 \$850.867 \$101442.4 L.F. \$16.00 \$6" Gravity Collection Line (4°-6° Deep) 2440 L.F. \$16.00 \$451.904 20019.2 L.F. \$16.00 \$320.307 \$53179.2 L.F. \$16.00 \$850.867 \$101442.4 L.F. \$16.00 \$6" Gravity Collection Line (4°-6° Deep) 2440 L.F. \$10.00 \$451.904 200 L.F. \$20.75 \$49.800 4200 L.F. \$20.75 \$87.150 3400 L.F. \$20.75 \$70.550 10000 L.F. \$20.75 \$49.800 4200 L.F. \$20.75 \$87.100 3400 L.F. \$20.75 \$70.00 \$80.805 1000 L.F. \$20.75 \$70.00 \$100.00 L.F. \$20.75 \$10.00 \$100.00 L.F. \$20.75 \$10.00 \$100.00 L.F. \$20.75 \$10.00 L.F. \$20.00 L.F. | \$1,902,045
\$1,699,160
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| 8" Gravify Collection Line (8'-10' Deep) | \$1,699,160
\$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| 6" Gravity Collection Line (6"-6" Deep) 28244 L.F. \$16.00 \$451,904 20019.2 L.F. \$16.00 \$320,307 \$3179.2 L.F. \$16.00 \$850,867 \$101442.4 L.F. \$16.00 \$6" Gravity Collection Line (4"-6" Deep) 28244 L.F. \$16.00 \$451,904 20019.2 L.F. \$16.00 \$320,307 \$3179.2 L.F. \$16.00 \$850,867 \$101442.4 L.F. \$16.00 \$6" Gravity Collection Line (4"-6" Deep) 2400 L.F. \$20.75 \$49,800 \$4200 L.F. \$20.75 \$87,055 \$0 10000 L.F. \$20.75 \$6" Each \$1,900.00 \$107,327 \$40 Each \$1,900.00 \$76,073 \$106 Each \$1,700.00 \$202,081 \$202,884 Each \$1,900.00 \$847,322 \$40 Each \$1,500.00 \$80,055 \$106 Each \$1,700.00 \$80,055 \$106 Each \$1,500.00 \$847,324 \$40 Each \$1,500.00 \$80,055 \$106 Each \$1,300.00 \$73,434 \$40 Each \$1,300.00 \$73,434 \$40 Each \$1,300.00 \$73,434 \$40 Each \$1,300.00 \$860,055 \$106 Each \$1,300.00 \$138,266 \$202,8848 Each \$1,300.00 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$960,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100,000 \$200,000 \$100 | \$1,623,078
\$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| 6" Gravity Collection Line (4'-6' Deep) 28244 | \$1,623,078
\$207,500
\$385,481
\$344,904
\$304,327 |
| 8" Effluent Line 2400 L.F. \$20.75 \$49,800 4200 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$70,550 10000 L.F. \$20.75 \$49,800 4200 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$70,550 10000 L.F. \$20.75 \$87,000 \$100,00 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,000 \$100,00 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,000 \$100,00 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,000 \$100,00 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,000 \$100,00 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,150 3400 L.F. \$20.75 \$87,000 \$100,00 \$202,000 \$820,000 \$8 | \$207,500
\$385,481
\$344,904
\$304,327 |
| Manhole (12-14' Deep) 56 Each \$1,900.00 \$107,327 40 Each \$1,900.00 \$76,073 106 Each \$1,900.00 \$202,081 202.8848 Each \$1,700.00 Manhole (12-14' Deep) 56 Each \$1,700.00 \$86,030 40 Each \$1,500.00 \$68,065 106 Each \$1,700.00 \$180,809 202.8848 Each \$1,700.00 Manhole (8-10' Deep) 56 Each \$1,500.00 \$84,732 40 Each \$1,500.00 \$52,050 106 Each \$1,500.00 \$189,809 202.8848 Each \$1,500.00 Manhole (4'-6' Deep) 56 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 Manhole (4'-6' Deep) 56 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 Manhole (4'-6' Deep) 56 Each \$1,000.00 \$960,000 \$400,000 \$646 Each \$1,000.00 \$646,000 2080 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 \$138,266 202.8848 Each \$1,000.00 \$100 | \$385,481
\$344,904
\$304,327 |
| Manhole (10-12' Deep) 56 Each \$1,700.00 \$96,030 40 Each \$1,700.00 \$68,056 106 Each \$1,700.00 \$180,809 202.8848 Each \$1,500.00 Manhole (8'-10' Deep) 56 Each \$1,500.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,500.00 Manhole (4'-6' Deep) 56 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 Manhole (4'-6' Deep) 56 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 Manhole (4'-6' Deep) 56 Each \$1,000.00 \$960,000 646 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,000.00 Manhole (4'-6' Deep) 56 Each \$1,000.00 \$960,000 646 Each \$1,000.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,000.00 Manhole (4'-6' Deep) 756 Each \$1,000.00 \$960,000 \$400,000 \$52,050 106 Each \$1,000.00 \$200,000 \$100,000 Manhole (4'-6' Deep) 756,000.00 \$100,000 Manhole (4'-6' Deep) 756,000.00 \$100,000 Manhole (4'-6' Deep) 756,000 Manhole Man | \$344,904
\$304,327 |
| Manhole (8'-10' Deep) 56 Each \$1,500.00 \$84,732 40 Each \$1,500.00 \$60,058 106 Each \$1,500.00 \$159,538 202.8848 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$138,266 202.8848 Each \$1,300.00 \$12,000.00 \$ | \$304,327 |
| Manhole (6'-8' Deep) | |
| Manhole (4'-6' Deep) 56 Each \$1,300.00 \$73,434 40 Each \$1,300.00 \$52,050 106 Each \$1,300.00 \$2,080,000 3686 Each \$1,000.00 \$960,000 646 Each \$50,000.00 \$664,000 2080 19 Each \$50,000.00 \$650,000 00 \$550,000 19 Each \$50,000.00 \$650,000 00 \$550,000 00 \$650,000 | \$263,750 |
| Cleanout 960 Each \$1,000.00 \$960,000 \$46 Each \$1,000.00 \$260,000 \$366 Each \$1,000.00 \$2,000.00 \$366 Each \$1,000.00 \$2,000.00 \$366 Each \$1,000.00 \$2,000.00 \$366,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 \$2,000.00 \$360,000 | **** |
| Lift Station with Grinder Pumps (1-20 GPM) | \$263,750 |
| Lift Station with Grinder Pumps (20-40 GPM) | \$3,686,000 |
| Lift Station with Grinder Pumps (40-60 GPM) | \$1,600,000 |
| Lift Station with Grinder Pumps (80-80 GPM) 2 Each \$80,000.00 \$160,000 0 Each \$80,000.00 \$0 1 Each \$80,000.00 \$80,000 3 Each \$80,000.00 \$160,000 0 Each \$80,000.00 \$160,000 0 \$1 | \$850,000 |
| Lift Station with Grinder Pumps (80-100 GPM) 1 Each \$80,000.00 \$80,000 2 Each \$170,000.00 \$160,000 1 Each \$170,000.00 \$340,000 2 Each \$170,000.00 \$170,000 0 Each \$170,000.00 \$0 Each \$170 | \$650,000 |
| Lift Station with Grinder Pumps (100-120 GPM) 1 Each \$170,000.00 \$170,000 0 | \$240,000 |
| Lift Station with Grinder Pumps (120-140 GPM) 0 Each \$170,000.00 \$0 0 Each \$170,000.00 \$0 2 Each \$170,000.00 \$0 0 Each \$170,000.00 \$0 1 Each \$170,000.00 \$0 1 Each \$170,000.00 \$0 1 Each \$170,000.00 \$0 1 Each \$170,000.00 \$0 0 Each \$170,000.00 \$ | \$320,000 |
| Lift Station with Grinder Pumps (140-160 GPM) 0 Each \$170,000.00 \$0 0 Each \$170,000.00 \$0 1 Each \$170,000.00 \$0 0 Each \$170,000.00 \$ | \$510,000 |
| Lift Station with Grinder Pumps (160-180 GPM) 0 Each \$170,000 00 \$0 0 Each \$170,000 00 \$0 0 Each \$170,000 00 \$0 | \$340,000
\$170,000 |
| | \$170,000 |
| Witt Station with Criedge Purpos (180-200 CPM) | \$170,000 |
| Ent diamon with diffident diffidence of the property of the pr | \$2,879,565 |
| | \$1,307,746 |
| 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | \$1,843,000 |
| | \$5.072.120 |
| | \$760,818 |
| Trench Safety 141220 L.F. \$1.50 \$211,830 100096 L.F. \$1.50 \$150,144 265896 L.F. \$1.50 \$398,844 507212 L.F. \$1.50 | \$100,010 |
| Subtotal Construction \$9,432,472 \$8,658,298 \$19,682,959 | \$35,773,730 |
| Contingencies 15% \$1,414,871 15% \$998,745 15% \$2,952,444 15% | \$5,366,059 |
| Project Administration 1% \$94,325 1% \$66,583 1% \$196,830 1% | \$357,737 |
| Engineering Design Phase 12% \$1,131,897 12% \$798,996 12% \$2,361,955 12% | \$4,292,848 |
| Construction Inspection 1% \$94,325 1% \$66,583 1% \$196,830 1% | \$357,737 |
| Geotechnical 1% \$94,325 1% \$66,583 1% \$196,830 1% | \$357,737 |
| Design Surveying 2% \$188.649 2% \$133,166 2% \$393,659 2% | \$715,475 |
| Construction Surveying 1% \$94,325 1% \$66,583 1% \$196,830 1% | \$357,737 |
| Material Testing 1% \$94,325 1% \$66,583 1% \$196,830 1% | \$357,737 |
| Engineering Construction Phase 2% \$188,649 2% \$133,166 2% \$393,659 2% | \$715,475 |
| Wastewater Discharge Permits 2% \$188,649 2% \$133,166 2% \$393,659 2% | \$715,475 |
| Easements 5% \$471,624 5% \$332,915 5% \$984,148 5% | \$1,788,686 |
| Legal 2% \$188,649 2% \$133,166 2% \$393,659 2% | \$715,475 |
| Fiscal 2% \$188,649 2% \$133,166 2% \$393,659 2% | \$715,475 |
| Subtotal Non-Construction \$4,433,262 \$3,129,400 \$9,250,991 | \$ 16,813,653 |
| TOTAL PROJECT COST \$13,865,734 \$9,787,698 \$28,933,950 | \$ 10,010,000 |

BEECHWOOD / SOUTH SABINE AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | | 2010 | PHASE | | | TOTAL | PROJECT | |
|--|----------|--------|--------------|-----------------------|----------|-------|--------------|-------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| Description | Quantity | UIIIIS | Onit Frice | Total | Quartity | Units | Onit Frice | Iotal |
| Conventional Wastewater Treatment Plant (0.03 MGD) | | Each | \$260,000.00 | \$ 0 | ا ہ | Each | \$260,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.04 MGD) | 1 | Each | \$310,000.00 | \$0 | Ö | Each | \$310,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.05 MGD) | | Each | \$350,000.00 | \$0 | ا ه ا | Each | \$350,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.07 MGD) | | Each | \$440,000.00 | \$ 0 | ő | Each | \$440,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.09 MGD) | 1 1 | Each | \$520,000.00 | \$520,000 | 1 1 | Each | \$520,000.00 | \$520,000 |
| Conventional Wastewater Treatment Plant (0.03 MGB) | lil | Each | \$610,000.00 | \$610,000 | 1 1 | Each | \$610,000.00 | \$610,000 |
| Conventional Wastewater Treatment Plant (0.12 MGD) |] '] | Each | \$650,000.00 | \$0 | ا أ | Each | \$650,000.00 | \$0 |
| 6" Gravity Collection Line (12'-14' Deep) | 28244 | L.F. | \$19.00 | \$536,636 | 28244 | L.F. | \$19.00 | \$536,636 |
| 6" Gravity Collection Line (10'-12' Deep) | 28244 | L.F. | \$18.75 | \$529,575 | 28244 | L.F. | \$18.75 | \$529,575 |
| 6" Gravity Collection Line (8'-10' Deep) | 28244 | L.F. | \$16.75 | \$473,087 | 28244 | L.F. | \$16.75 | \$473,087 |
| 6" Gravity Collection Line (6'-8' Deep) | 28244 | L.F. | \$16.00 | \$451,904 | 28244 | L.F. | \$16.00 | \$451,904 |
| 6" Gravity Collection Line (4'-6' Deep) | 28244 | L.F. | \$16.00 | \$451,904 | 28244 | L.F. | \$16.00 | \$451,904 |
| 8" Effluent Line | 2400 | L.F. | \$20.75 | \$49,800 | 2400 | L.F. | \$20.75 | \$49,800 |
| Manhole (12'-14' Deep) | 56 | Each | \$1,900.00 | \$107,327 | 56 | Each | \$1,900.00 | \$107,327 |
| Manhole (10'-12' Deep) | 56 | Each | \$1,700.00 | \$96,030 | 56 | Each | \$1,700.00 | \$96,030 |
| Manhole (8'-10' Deep) | 56 | Each | \$1,500.00 | \$84,732 | 56 | Each | \$1,500.00 | \$84,732 |
| Manhole (6'-8' Deep) | 56 | Each | \$1,300.00 | \$73,434 | 56 | Each | \$1,300.00 | \$73,434 |
| Manhole (4'-6' Deep) | 56 | Each | \$1,300.00 | \$73,434 | 56 | Each | \$1,300.00 | \$73,434 |
| Cleanout | 960 | Each | \$1,000.00 | \$960,000 | 960 | Each | \$1,000.00 | \$960,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 8 | Each | \$50,000.00 | \$400,000 | 8 | Each | \$50,000.00 | \$400,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | 4 | Each | \$50,000.00 | \$200,000 | 4 | Each | \$50,000.00 | \$200,000 |
| Lift Station with Grinder Pumps (40-60 GPM) | 4 | Each | \$50,000.00 | \$200,000 | 4 | Each | \$50,000.00 | \$200,000 |
| Lift Station with Grinder Pumps (60-80 GPM) | 2 | Each | \$80,000.00 | \$160,000 | 2 | Each | \$80,000.00 | \$160,000 |
| Lift Station with Grinder Pumps (80-100 GPM) | 1 | Each | \$80,000.00 | \$80,000 | 1 | Each | \$80,000.00 | \$80,000 |
| Lift Station with Grinder Pumps (100-120 GPM) | | Each | \$170,000.00 | \$170,000 | l i . | Each | \$170,000.00 | \$170,000 |
| Lift Station with Grinder Pumps (120-140 GPM) | ' | Each | \$170,000.00 | \$0 | انا | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (140-160 GPM) | 1 1 | Each | \$170,000.00 | \$0 | ŏ | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (160-180 GPM) | | Each | \$170,000.00 | \$0 | ő | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) | 1 1 | Each | \$170,000.00 | \$170,000 | 1 1 | Each | \$170,000.00 | \$170,000 |
| 4" Force Main | 65900 | L.F. | \$9.75 | \$642,525 | 65900 | L.F. | \$9.75 | \$642,525 |
| 6" Gravity Main (4'-6' Deep) | 14585 | L.F. | \$19.75 | \$288,054 | 14585 | L.F. | \$19.75 | \$288,054 |
| Service Connections | 960 | Each | \$500.00 | \$480,000 | 960 | Each | \$500.00 | \$480,000 |
| Pavement Repair | 47073 | S.Y. | \$30.00 | \$1,412,200 | 47073 | S.Y. | \$30.00 | \$1,412,200 |
| Trench Safety | 141220 | L.F. | \$1.50 | \$211,830 | 141220 | L.F. | \$1.50 | \$211,830 |
| Trondit dately | | | \$1.55 | \$2. 1,000 | 111220 | | \$1.55 | \$2 11,500 |
| Subtotal Construction | | | !
 | \$9,432,472 | | ! | | \$9,432,472 |
| Contingencies | 15% | | | \$1,414,871 | 15% | | . | \$1,414,871 |
| Project Administration | 1% | | | \$94,325 | 1% | | į į | \$94,325 |
| Engineering Design Phase | 12% | | <u> </u> | \$1,131,897 | 12% | | | \$1,131,897 |
| Construction Inspection | 1% | | \ \ \ | \$94,325 | 1% | | \ | \$94,325 |
| Geotechnical | 1% | | [| \$94,325 | 1% | | | \$94,325 |
| Design Surveying | 2% | |] | \$188,649 | 2% | | i | \$188,649 |
| Construction Surveying | 1% | |] | \$94,325 | 1% | | | \$94,325 |
| Material Testing | 1% | | <u> </u> | \$94,325 | 1% | ! | | \$94,325 |
| Engineering Construction Phase | 2% | | \ \ \ | \$188,649 | 2% | | } | \$188,649 |
| Wastewater Discharge Permits | 2% | | | \$188,649 | 2% | |] | \$188,649 |
| Easements | 5% | | | \$471,624 | 5% | | | \$471,624 |
| Legal | 2% | | [| \$188,649 | 2% | | | \$188,649 |
| Fiscal | 2% | | ([| \$188,649 | 2% | | | \$188,649 |
| Subtotal Non-Construction | | | | \$4,433,262 | | | | \$4,433,262 |
| TOTAL PROJECT COST | | | | \$13 <u>,865</u> ,734 | | | | \$13,865,734 |

TIMBERLANE AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | 1 | 2020 | PHASE | | | TOTAL I | PROJECT | |
|--|----------|-------|--------------|-------------|----------|---------|--------------|-------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | |
| Conventional Wastewater Treatment Plant (0.03 MGD) | | Each | \$260,000.00 | \$0 | 0 | Each | \$260,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.04 MGD) | | Each | \$310,000.00 | \$0 | lol | Each | \$310,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.05 MGD) | 1 1 | Each | \$350,000.00 | \$350,000 | 1 | Each | \$350,000.00 | \$350,000 |
| Conventional Wastewater Treatment Plant (0.07 MGD) | | Each | \$440,000.00 | \$0 | 0 | Each | \$440,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.09 MGD) | 1 1 | Each | \$520,000.00 | \$520,000 | 1 1 | Each | \$520,000.00 | \$520,000 |
| Conventional Wastewater Treatment Plant (0.11 MGD) | | Each | \$610,000.00 | \$0 | 0 | Each | \$610,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.12 MGD) | | Each | \$650,000.00 | \$0 | 0 | Each | \$650,000.00 | \$0 |
| 6" Gravity Collection Line (12'-14' Deep) | 20019 | L.F. | \$19.00 | \$380,365 | 20019 | L.F. | \$19.00 | \$380,365 |
| 6" Gravity Collection Line (10'-12' Deep) | 20019 | L.F. | \$18.75 | \$375,360 | 20019 | L.F. | \$18.75 | \$375,360 |
| 6" Gravity Collection Line (8'-10' Deep) | 20019 | L.F. | \$16.75 | \$335,322 | 20019 | L.F. | \$16.75 | \$335,322 |
| 6" Gravity Collection Line (6'-8' Deep) | 20019 | L.F. | \$16.00 | \$320,307 | 20019 | L.F. | \$16.00 | \$320,307 |
| 6" Gravity Collection Line (4'-6' Deep) | 20019 | L.F. | \$16.00 | \$320,307 | 20019 | L.F. | \$16.00 | \$320,307 |
| 8" Effluent Line | 4200 | L.F. | \$20.75 | \$87,150 | 4200 | L.F. | \$20.75 | \$87,150 |
| Manhole (12'-14' Deep) | 40 | Each | \$1,900.00 | \$76,073 | 40 | Each | \$1,900.00 | \$76,073 |
| Manhole (10'-12' Deep) | 40 | Each | \$1,700.00 | \$68,065 | 40 | Each | \$1,700.00 | \$68,065 |
| Manhole (8'-10' Deep) | 40 | Each | \$1,500.00 | \$60,058 | 40 | Each | \$1,500.00 | \$60,058 |
| Manhole (6'-8' Deep) | 40 | Each | \$1,300.00 | \$52,050 | 40 | Each | \$1,300.00 | \$52,050 |
| Manhole (4'-6' Deep) | 40 | Each | \$1,300.00 | \$52,050 | 40 | Each | \$1,300.00 | \$52,050 |
| Cleanout | 646 | Each | \$1,000.00 | \$646,000 | 646 | Each | \$1,000.00 | \$646,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 5 | Each | \$50,000.00 | \$250,000 | 5 | Each | \$50,000.00 | \$250,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | 5 | Each | \$50,000.00 | \$250,000 | 5 | Each | \$50,000.00 | \$250,000 |
| Lift Station with Grinder Pumps (40-60 GPM) | 3 | Éach | \$50,000.00 | \$150,000 | 3 | Each | \$50,000.00 | \$150,000 |
| Lift Station with Grinder Pumps (60-80 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | 2 | Each | \$80,000.00 | \$160,000 | 2 | Each | \$80,000.00 | \$160,000 |
| Lift Station with Grinder Pumps (100-120 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (120-140 GPM) | | Each | \$170,000.00 | \$ 0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (140-160 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (160-180 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| 4" Force Main | 67610 | L.F. | \$9.75 | \$659,198 | 67610 | L.F. | \$9.75 | \$659,198 |
| 6" Gravity Main (4'-6' Deep) | 3640 | L.F. | \$19.75 | \$71,890 | 3640 | L.F. | \$19.75 | \$71,890 |
| Service Connections | 646 | Each | \$500.00 | \$323,000 | 646 | Each | \$500.00 | \$323,000 |
| Pavement Repair | 33365 | S.Y. | \$30.00 | \$1,000,960 | 33365 | S.Y. | \$30.00 | \$1,000,960 |
| Trench Safety | 100096 | L.F. | \$1.50 | \$150,144 | 100096 | L.F. | \$1.50 | \$150,144 |
| Subtotal Construction | | | | \$6,658,298 | | | | \$6,658,298 |
| Contingencies | 15% | | | \$998,745 | 15% | | | \$998,745 |
| Project Administration | 1% | | | \$66,583 | 1% | | | \$66,583 |
| Engineering Design Phase | 12% | | | \$798,996 | 12% | | | \$798,996 |
| Construction Inspection | 1% | | | \$66,583 | 1% | | | \$66,583 |
| Geotechnical | 1% | | | \$66,583 | 1% | | | \$66,583 |
| Design Surveying | 2% | | | \$133,166 | 2% | | | \$133,166 |
| Construction Surveying | 1% | | | \$66,583 | 1% | | | \$66,583 |
| Material Testing | 1% | | | \$66,583 | 1% | | | \$66,583 |
| Engineering Construction Phase | 2% | | 1 | \$133,166 | 2% | | | \$133,166 |
| Wastewater Discharge Permits | 2% | | | \$133,166 | 2% | | | \$133,166 |
| Easements | 5% | | | \$332,915 | 5% | | | \$332,915 |
| Legal | 2% | | | \$133,166 | 2% | | | \$133,166 |
| Fiscal | 2% | | | \$133,166 | 2% | | | \$133,166 |
| Subtotal Non-Construction | | | | \$3,129,400 | | | | \$3,129,400 |
| TOTAL PROJECT COST | | | | \$9,787,698 | | | | \$9,787,698 |

EL CAMINO BAY AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | | 2020 | PHASE | | | TOTAL I | PROJECT | |
|--|----------|--------|--------------|--------------|----------|---------|--------------|--------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| Description | Quartity | Ullita | Office | i Otal | Quantity | Units | Olik Plice | |
| Conventional Wastewater Treatment Plant (0.03 MGD) | 1 | Each | \$260,000.00 | \$260,000 | 1 | Each | \$260,000.00 | \$260,000 |
| Conventional Wastewater Treatment Plant (0.04 MGD) | | Each | \$310,000.00 | \$310,000 | | Each | \$310,000.00 | \$310,000 |
| Conventional Wastewater Treatment Plant (0.05 MGD) | ' I | Each | \$350,000.00 | \$0
\$0 | 0 | Each | \$350,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.07 MGD) | 1 1 | Each | \$440,000.00 | \$440.000 | 1 1 | Each | \$440,000.00 | \$440.000 |
| Conventional Wastewater Treatment Plant (0.09 MGD) | i | Each | \$520,000.00 | \$520.000 | | Each | \$520,000.00 | \$520,000 |
| Conventional Wastewater Treatment Plant (0.11 MGD) | 1 ' | Each | \$610,000.00 | \$0 | انا | Each | \$610,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.12 MGD) | i i | Each | \$650,000.00 | \$0 | ا ہ | Each | \$650,000.00 | \$0 |
| 6" Gravity Collection Line (12'-14' Deep) | 21615 | L.F. | \$19.00 | \$410,689 | 21615 | L.F. | \$19.00 | \$410,689 |
| 6" Gravity Collection Line (10'-12' Deep) | 21615 | L.F. | \$18.75 | \$405,285 | 21615 | L.F. | \$18.75 | \$405,285 |
| 6" Gravity Collection Line (8'-10' Deep) | 21615 | L.F. | \$16.75 | \$362,055 | 21615 | L.F. | \$16.75 | \$362,055 |
| 6" Gravity Collection Line (6'-8' Deep) | 21615 | L.F. | \$16.00 | \$345,843 | 21615 | L.F. | \$16.00 | \$345,843 |
| 6" Gravity Collection Line (4'-6' Deep) | 21615 | L.F. | \$16.00 | \$345,843 | 21615 | L.F. | \$16.00 | \$345,843 |
| 8" Effluent Line | 1150 | L.F. | \$20.75 | \$23,863 | 1150 | L.F. | \$20.75 | \$23,863 |
| Manhole (12'-14' Deep) | 43 | Each | \$1,900.00 | \$82,138 | 43 | Each | \$1,900.00 | \$82,138 |
| Manhole (10'-12' Deep) | 43 | Each | \$1,700.00 | \$73,492 | 43 | Each | \$1,700.00 | \$73,492 |
| Manhole (8'-10' Deep) | 43 | Each | \$1,500.00 | \$64,846 | 43 | Each | \$1,500.00 | \$64,846 |
| Manhole (6'-8' Deep) | 43 | Each | \$1,300.00 | \$56,200 | 43 | Each | \$1,300.00 | \$56,200 |
| Manhole (4'-6' Deep) | 43 | Each | \$1,300.00 | \$56,200 | 43 | Each | \$1,300.00 | \$56,200 |
| Cleanout | 888 | Each | \$1,000.00 | \$888,000 | 888 | Each | \$1,000.00 | \$888,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 9 | Each | \$50,000.00 | \$450,000 | 1 9 | Each | \$50,000.00 | \$450,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | 4 | Each | \$50,000.00 | \$200,000 | 4 | Each | \$50,000.00 | \$200,000 |
| Lift Station with Grinder Pumps (40-60 GPM) | 2 | Each | \$50,000.00 | \$100,000 | 2 | Each | \$50,000.00 | \$100,000 |
| Lift Station with Grinder Pumps (60-80 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (100-120 GPM) | 1 1 | Each | \$170,000.00 | \$170,000 | 1 1 | Each | \$170,000.00 | \$170,000 |
| Lift Station with Grinder Pumps (120-140 GPM) | | Each | \$170,000.00 | \$0 | lol | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (140-160 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (160-180 GPM) | ŀ | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) | | Each | \$170,000.00 | \$0 | . 0 | Each | \$170,000.00 | \$0 |
| 4" Force Main | 53300 | L.F. | \$9.75 | \$519,675 | 53300 | L.F. | \$9.75 | \$519,675 |
| 6" Gravity Main (4'-6' Deep) | 27620 | L.F. | \$19.75 | \$545,495 | 27620 | L.F. | \$19.75 | \$545,495 |
| Service Connections | 888 | Each | \$500.00 | \$444,000 | 888 | Each | \$500.00 | \$444,000 |
| Pavement Repair | 36025 | S.Y. | \$30.00 | \$1,080,760 | 36025 | S.Y. | \$30.00 | \$1,080,760 |
| Trench Safety | 108076 | L.F. | \$1.50 | \$162,114 | 108076 | L.F. | \$1.50 | \$162,114 |
| Subtotal Construction | | | | \$8,316,495 | | | | \$8,316,495 |
| Contingencies | 15% | | | \$1,247,474 | 15% | | | \$1,247,474 |
| Project Administration | 1% | | | \$83,165 | 1% | | | \$83,165 |
| Engineering Design Phase | 12% | | 1 | \$997,979 | 12% | | \ | \$997,979 |
| Construction Inspection | 1% | | | \$83,165 | 1% | | | \$83,165 |
| Geotechnical | 1% | | 1 | \$83,165 | 1% | |] | \$83,165 |
| Design Surveying | 2% | | | \$166,330 | 2% | | 1 | \$166,330 |
| Construction Surveying | 1% | | Į į | \$83,165 | 1% | | | \$83,165 |
| Material Testing | 1% | | | \$83,165 | 1% | | [| \$83,165 |
| Engineering Construction Phase | 2% | | , , | \$166,330 | 2% | | f | \$166,330 |
| Wastewater Discharge Permits | 2% | | | \$166,330 | 2% | | | \$166,330 |
| Easements | 5% | | | \$415,825 | 5% | | | \$415,825 |
| Legal | 2% | |] [| \$166,330 | 2% | | | \$166,330 |
| Fiscal | 2% | | | \$166,330 | 2% | | | \$166,330 |
| Subtotal Non-Construction | | | [[| \$3,908,753 | | | | \$3,908,753 |
| TOTAL PROJECT COST | | | | \$12,225,248 | | | | \$12,225,248 |
| - O THE PRODUCT OCCI | | | | <u> </u> | | | | # 12,220,240 |

MIDLAKE AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| Description | f | | 2030 | PHASE | | | TOTAL | PROJECT | |
|---|--|----------|-------|--------------|-------------|----------|-------|--------------|-------------|
| Conventional Wastewater Treatment Plant (0.03 MgD) Conventional Wastewater Treatment Plant (0.04 MgD) Conventional Wastewater Treatment Plant (0.05 MgD) Conventional Wastewater Treatment Plant (0.07 MgD) Conventional Wastewater Treatment Plant (0.07 MgD) Conventional Wastewater Treatment Plant (0.07 MgD) Conventional Wastewater Treatment Plant (0.11 MgD) Conventional Wastewater Treatment Plant (0.12 MgD) Conventional Wastewater Treatment Plant (0.11 MgD) Conven | Description | Quantity | | | Total | Quantity | | | Total |
| Conventional Wastewater Treatment Plant (0.0 A MCD) Each \$310,000.00 \$0 0 Each \$350,000.00 \$0 Conventional Wastewater Treatment Plant (0.07 MCD) Each \$350,000.00 \$0 0 Each \$350,000.00 \$0 Conventional Wastewater Treatment Plant (0.17 MCD) Each \$350,000.00 \$0 0 Each \$360,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$350,000.00 \$0 0 Each \$440,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$520,000.00 \$0 0 Each \$650,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$650,000.00 \$0 0 Each \$650,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$650,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$650,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$650,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$650,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$650,000.00 \$0 Conventional Wastewater Treatment Plant (0.12 MCD) Each \$650,000.00 \$0 Each | Description | wuantity | OTHES | JIIIL PIICE | IOLAI | Quantity | Onits | JIIII FIICE | IOLAI |
| Conventional Wastewater Treatment Plant (0.0 4 MCD) Each Conventional Wastewater Treatment Plant (0.0 5 MCD) Each S350,000 on 0 | Conventional Mastawater Treatment Plant (0.03 MCD) | | Each | \$260,000,00 | ¢o. | ا م | Each | \$260,000,00 | \$0 |
| Conventional Wastewater Treatment Plant (0.07 MGD) Each Conventional Wastewater Treatment Plant (0.07 MGD) Each S440,000 on S0 | | | | | | | | | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.07 MCD) Each Conventional Wastewater Treatment Plant (0.07 MCD) Each S520,000 0 \$0 0 Each S600,000 0 \$0 0 E | · · | | | | | | | | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.09 MGD) Each (0.000 MGD | | | | | • | | | 1'' | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.11 MGD) 1 2 2 2 2 2 2 2 2 2 | | | | | | | | | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.12 MGD) 1 | | | | | | | | | |
| 6" Gravity Collection Line (12'-14' Deep) 15557 L.F. \$19.00 \$295,579 15557 L.F. \$18,75 \$291,690 15557 L.F. \$18,75 \$291,690 15557 L.F. \$18,75 \$291,690 15557 L.F. \$18,75 \$291,690 15557 L.F. \$16,75 \$226,676 15557 L.F. \$16,75 \$226,676 15557 L.F. \$16,75 \$226,676 15557 L.F. \$16,00 \$248,909 15557 L.F. \$16,00 \$248,909 15557 L.F. \$16,00 \$226,00 \$27,788 1050 L.F. \$16,00 \$226,00 \$27,788 1050 L.F. \$16,00 \$226,00 \$27,788 1050 L.F. \$16,00 \$226,00 \$28,1788 1050 L.F. \$16,00 \$226,00 \$28,1788 1050 L.F. \$16,00 \$226,00 \$228,1789 1050 L.F. \$16,00 \$228,00 \$228,00 \$228,00 \$28,00 \$28,00 \$28,00 \$28,00 \$28,00 \$28,00 \$28,00 | | 1 . 1 | | | | | | | \$0 |
| 6" Gravify Collection Line (10"-12" Deep) 15557 L.F. \$18.75 \$291,690 15557 L.F. \$16.75 \$291,690 15557 L.F. \$16.75 \$20,576 15557 L.F. \$16.75 \$20,576 15557 L.F. \$16.00 \$248,999 15557 L.F. \$16.00 \$248,999 15557 L.F. \$16.00 \$248,999 15557 L.F. \$16.00 \$224,899 15557 L.F. \$16.00 \$22 L.F. \$10.00 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$650,000</td></t<> | | | | | | | | | \$650,000 |
| 15557 L.F. \$16.75 \$220,576 15557 L.F. \$16.75 \$220,576 15557 L.F. \$16.00 \$224,909 1557 L.F. \$16.00 \$224,909 15557 L.F. \$16.00 \$224,909 1557 L.F. \$16.00 \$224,909 15557 L.F. \$16.00 \$224,909 15557 L.F. \$16.00 \$224,909 15557 L.F. \$16.00 \$224,909 15557 L.F. \$16.00 \$124,909 15557 L.F. \$120,000 \$124,9000 \$124,9000 \$124,9000 \$124,90000 \$124,9000 | | 1 | | | | | | | \$295,579 |
| State | • , , , , , , , , , , , , , , , , , , , | | | 1 ' | | | | | \$291,690 |
| e" Gravity Collection Line (4'-6' Deep) 15557 L.F. \$16.00 \$224,909 15557 L.F. \$16.00 \$22 (17.88) 1050 L.F. \$20.75 \$22,788 1050 L.F. \$16.00 \$52,893 31 Each \$1,900.00 \$53 \$1,700.00 \$52,893 31 Each \$1,000.00 \$40,448 31 Each \$1,500.00 \$40,448 31 Each \$1,300.00 \$40,448 31 Each \$1,300.00 \$40,448 31 Each \$1,300.00 \$40,448 31 Each \$1,000.00 \$598 Each \$1,000.00 \$598,000 \$598,000 \$598,000 < | | | | | | | | * | \$260,576 |
| | | 1 | | | | | | | \$248,909 |
| Manhole (12*-14* Deep) 31 Each \$1,900.00 \$59,116 31 Each \$1,700.00 \$52,893 31 Each \$1,700.00 \$52,893 31 Each \$1,700.00 \$52,893 31 Each \$1,700.00 \$52,893 31 Each \$1,500.00 \$40,448 31 Each \$1,500.00 \$40,448 31 Each \$1,300.00 \$40,448 31 Each \$1,000.00 \$40,448 31< | | | | | | | | | \$248,909 |
| Manhole (10'-12' Deep) 31 Each Manhole (8'-10' Deep) 31 Each S1,700.00 \$52,893 31 Each S1,700.00 \$52,803 31 Each S1,700.00 \$34,800.00 \$44,670 31 Each S1,300.00 \$44,448 31 Each S1,300.00 \$59,800 \$598 Each S1,000.00 \$598,000 \$598 Each S1,000.00 \$50,000.00 \$50,000.00 \$50,000.00 \$50,000.00 \$60,000.00 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>\$21,788</td> | | | | | | | | | \$21,788 |
| Manhole (6'-10' Deep) | | | | | | | | | \$59,116 |
| Manhole (6'-8' Deep) 31 | | | | | | | | | \$52,893 |
| Manhole (4'-6' Deep) | | | | | | | | | \$46,670 |
| Cleanout | | 1 | | | | 1 1 | | | \$40,448 |
| Lift Station with Grinder Pumps (1-20 GPM) Lift Station with Grinder Pumps (20-40 GPM) Lift Station with Grinder Pumps (80-80 GPM) Lift Station with Grinder Pumps (80-80 GPM) Lift Station with Grinder Pumps (80-100 GPM) Lift Station with Grinder Pumps (80-100 GPM) Lift Station with Grinder Pumps (100-120 GPM) Lift Station with Grinder Pumps (100-120 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (140-160 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) Lift Station with Grinder Pumps (180-180 GPM) Lift Station with Grinder Pumps (| | t I | | | | 1 1 | | | \$40,448 |
| Lift Station with Grinder Pumps (20-40 GPM) Lift Station with Grinder Pumps (40-60 GPM) Lift Station with Grinder Pumps (80-80 GPM) Lift Station with Grinder Pumps (80-80 GPM) Lift Station with Grinder Pumps (80-100 GPM) Lift Station with Grinder Pumps (80-100 GPM) Lift Station with Grinder Pumps (100-120 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) Lift Station with Grinder Pumps | | | 1 | | | | | | \$598,000 |
| Lift Station with Grinder Pumps (40-60 GPM) Lift Station with Grinder Pumps (60-80 GPM) Lift Station with Grinder Pumps (80-100 GPM) Lift Station with Grinder Pumps (100-120 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) Lift Station with Grinder Pumps (180-180 GPM) Lift Station with Grinder P | Lift Station with Grinder Pumps (1-20 GPM) | 3 | Each | | \$150,000 | | Each | \$50,000.00 | \$150,000 |
| Lift Station with Grinder Pumps (60-80 GPM) Lift Station with Grinder Pumps (80-100 GPM) Lift Station with Grinder Pumps (100-120 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (140-160 GPM) Lift Station with Grinder Pumps (140-160 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) Lift Station with Grinder Pumps (180-180 GPM) Lift Station with Grinder | Lift Station with Grinder Pumps (20-40 GPM) | | Each | \$50,000.00 | \$0 | | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) Lift Station with Grinder Pumps (100-120 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (140-160 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) Lift Station with Grind | Lift Station with Grinder Pumps (40-60 GPM) | 2 | Each | | \$100,000 | 2 | Each | \$50,000.00 | \$100,000 |
| Lift Station with Grinder Pumps (100-120 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (140-160 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) Lift Station with Grin | Lift Station with Grinder Pumps (60-80 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (120-140 GPM) Lift Station with Grinder Pumps (140-160 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) 4* Force Main 6* Gravity Main (4*-6* Deep) Service Connections 598 Each Pavement Repair 77784 L.F. Subtotal Construction Contingencies Project Administration Engineering Design Phase Construction 1% Secondarying Construction 1% Geotechnical Design Surveying Construction Surveying Engineering Construction Phase Each \$170,000.00 \$0 0 Each \$170,000.00 \$170,000.00 \$0 0 0 Each \$170,000.00 \$170,000.00 \$0 0 Each \$170,000.00 \$170,000.00 Each \$170,000.00 \$0 0 Each \$170,000.00 \$170,000.00 Each \$170,000.00 \$0 0 Each \$170,000.00 Each \$17 | Lift Station with Grinder Pumps (80-100 GPM) | 1 | Each | \$80,000.00 | \$80,000 | 1 | Each | \$80,000.00 | \$80,000 |
| Lift Station with Grinder Pumps (140-160 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) Lift Station (190-200 GPM) Lift Station with Grinder Pumps (190-200 | Lift Station with Grinder Pumps (100-120 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (160-180 GPM) Lift Station with Grinder Pumps (180-200 GPM) 4" Force Main 6" Gravity Main (4"-6" Deep) Service Connections Favement Repair Trench Safety Contingencies Project Administration Engineering Design Phase Construction 1% Geotechnical Design Surveying Construction 1% Geotechnical Design Surveying Construction 1% Material Testing Englineering Construction Phase Each \$170,000.00 \$170,000.00 \$170,000.00 \$170,000.00 \$170,000.00 \$20 \$47410 L.F. \$198,290 10040 L.F. \$10040 L.F. | Lift Station with Grinder Pumps (120-140 GPM) | , · | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) 4" Force Main 6" Gravity Main (4'-6' Deep) 598 Each 25928 S.Y. 77784 L.F. Subtotal Construction Contingencies Project Administration Engineering Design Phase Construction 1% Geotechnical Design Surveying Construction 1% Geotechnical Design Surveying Construction 1% Material Testing Engineering Construction Phase Each \$170,000.00 \$0 0 47410 L.F. \$9.75 \$4842,248 47410 L.F. \$19.75 \$198,290 10040 L.F. \$19.75 \$198,290 598 Each \$500.00 \$299,000 598 Each \$500.00 \$777,840 25928 S.Y. \$30.00 \$777,840 25928 S.Y. \$30.00 \$777,840 L.F. \$11.50 \$116,676 77784 L.F. \$1.50 \$11.50 \$755,862 \$15% \$50,391 \$1% \$50,391 \$50,391 \$1% \$50,391 \$50,391 \$1% \$50,391 \$50 | Lift Station with Grinder Pumps (140-160 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| 4" Force Main 47410 L.F. \$9.75 \$462,248 47410 L.F. \$9.75 \$46 6" Gravity Main (4"-6" Deep) 10040 L.F. \$19.75 \$198,290 10040 L.F. \$19.75 \$15 \$15 \$15 \$15 \$15 \$15 \$10.00 \$29,000 \$98 Each \$500.00 \$29 \$29 \$29 \$29 \$29 \$29 \$29 \$29 \$29 \$28 \$28 \$28 \$28 \$28 \$28 <t< td=""><td>Lift Station with Grinder Pumps (160-180 GPM)</td><td></td><td>Each</td><td>\$170,000.00</td><td>\$0</td><td>0</td><td>Each</td><td>\$170,000.00</td><td>\$0</td></t<> | Lift Station with Grinder Pumps (160-180 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| 6" Gravity Main (4'-6' Deep) 10040 L.F. \$19.75 \$198,290 10040 L.F. \$10040 \$299,000 \$299,000 \$299,000 \$299,000 \$299,000 \$777,000 | Lift Station with Grinder Pumps (180-200 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Service Connections 598 | | 47410 | L.F. | | \$462,248 | 47410 | L.F. | | \$462,248 |
| Pavement Repair 25928 S.Y. \$30.00 \$777,84 | 6" Gravity Main (4'-6' Deep) | 10040 | L.F. | \$19.75 | \$198,290 | 10040 | L.F. | \$19.75 | \$198,290 |
| Pavement Repair 25928 S.Y. \$30.00 \$777,84 | Service Connections | 598 | Each | \$500.00 | \$299,000 | 598 | Each | \$500.00 | \$299,000 |
| Trench Safety 77784 L.F. \$1.50 \$116,676 77784 L.F. \$1.50 \$115 \$1.50 \$116,676 77784 L.F. \$1.50 \$115 \$1.50 \$116,676 77784 L.F. \$1.50 \$115 \$1.50 \$116,676 77784 L.F. \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 \$1.50 \$116 | | | | | | | | | \$777,840 |
| Contingencies 15% \$75,862 15% \$75 Project Administration 1% \$50,391 1% \$55 Engineering Design Phase 12% \$604,689 12% \$60 Construction Inspection 1% \$50,391 1% \$55 Geotechnical 1% \$50,391 1% \$55 Geotechnical 1% \$50,391 1% \$55 Construction Surveying 2% \$100,782 2% \$15 Construction Surveying 1% \$55,391 1% \$55 Material Testing 1% \$50,391 1% \$55 Engineering Construction Phase 2% \$100,782 2% \$150,782 2% \$150,782 2% | - · · · · · · · · · · - · · · · · | | | | | | | | \$116,676 |
| Project Administration 1% \$50,391 1% \$5 Engineering Design Phase 12% \$604,689 12% \$6 Construction Inspection 1% \$50,391 1% \$5 Geotechnical 1% \$50,391 1% \$5 Design Surveying 2% \$100,782 2% \$10 Construction Surveying 1% \$50,391 1% \$5 Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | Subtotal Construction | | | | \$5,039,079 | | | | \$5,039,079 |
| Project Administration 1% \$50,391 1% \$5 Engineering Design Phase 12% \$604,689 12% \$6 Construction Inspection 1% \$50,391 1% \$5 Geotechnical 1% \$50,391 1% \$5 Design Surveying 2% \$100,782 2% \$10 Construction Surveying 1% \$50,391 1% \$5 Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | Cantingonsias | 450/ | | | £755.000 | 450/ | | | #755 DOO |
| Engineering Design Phase 12% \$604,689 12% \$60 Construction Inspection 1% \$50,391 1% \$5 Geotechnical 1% \$50,391 1% \$5 Design Surveying 2% \$100,782 2% \$10 Construction Surveying 1% \$50,391 1% \$5 Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | | i 1 | | | | | | | \$755,862 |
| Construction Inspection 1% \$50,391 1% \$5 Geotechnical 1% \$50,391 1% \$5 Design Surveying 2% \$100,782 2% \$10 Construction Surveying 1% \$50,391 1% \$5 Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | | | | i i | | | | i l | \$50,391 |
| Geotechnical 1% \$50,391 1% \$5 Design Surveying 2% \$100,782 2% \$1 Construction Surveying 1% \$50,391 1% \$5 Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | | | | | | | | | \$604,689 |
| Design Surveying 2% \$100,782 2% \$10 Construction Surveying 1% \$50,391 1% \$5 Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | | | | | | | | | \$50,391 |
| Construction Surveying 1% \$50,391 1% \$5 Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | | | | | | | | | \$50,391 |
| Material Testing 1% \$50,391 1% \$5 Engineering Construction Phase 2% \$100,782 2% \$10 | , , , | | | j | | _ | | j l | \$100,782 |
| Engineering Construction Phase 2% \$100,782 2% \$10 | | | | | | | | 1 | \$50,391 |
| | | | | [| | | | [] | \$50,391 |
| #18/ | | | | [] | | | | [] | \$100,782 |
| | Wastewater Discharge Permits | 2% | | [| \$100,782 | 2% | | [| \$100,782 |
| | | | | [| | | | [| \$251,954 |
| | | | | | | | | | \$100,782 |
| Fiscal 2% \$100,782 2% \$10 | Fiscal | 2% | | | \$100,782 | 2% | | | \$100,782 |
| Subtotal Non-Construction \$2,368,367 \$2,3 | Subtotal Non-Construction | | | | \$2,368,367 | | | | \$2,368,367 |
| TOTAL PROJECT COST \$7,407,446 \$7,4 | TOTAL PROJECT COST | | | | \$7,407,446 | | | | \$7,407,446 |

NORTH AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | Γ | 2030 | PHÂSE | | TOTAL PROJECT | | | | | |
|--|----------|-------|--------------|-------------|---------------|--------------|--------------|--------------|--|--|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | | |
| Description | Quantity | Units | Unit Price | lotai | Quantity | Units | Unit Frice | TOTAL | | |
| Conventional Wastewater Treatment Plant (0.03 MGD) | l 1 | Each | \$260,000.00 | \$ 0 | 0 | Each | \$260,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.03 MGD) | i i | Each | \$310,000.00 | \$0
\$0 | | Each | \$310,000.00 | . \$0
\$0 | | |
| | l | | \$350,000.00 | \$0
\$0 | 0 | Each | | \$0
\$0 | | |
| Conventional Wastewater Treatment Plant (0.05 MGD) | ! | Each | | | _ | | \$350,000.00 | \$0
\$0 | | |
| Conventional Wastewater Treatment Plant (0.07 MGD) | | Each | \$440,000.00 | \$0 | 0 | Each
Each | \$440,000.00 | \$0
\$0 | | |
| Conventional Wastewater Treatment Plant (0.09 MGD) | | Each | \$520,000.00 | \$0
\$0 | 0 | | \$520,000.00 | | | |
| Conventional Wastewater Treatment Plant (0.11 MGD) | 1. 1 | Each | \$610,000.00 | \$0 | 0 | Each | \$610,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.12 MGD) | 1 1 | Each | \$650,000.00 | \$650,000 | 1 | Each | \$650,000.00 | \$650,000 | | |
| 6" Gravity Collection Line (12'-14' Deep) | 16007 | L.F. | \$19.00 | \$304,137 | 16007 | L.F. | \$19.00 | \$304,137 | | |
| 6" Gravity Collection Line (10'-12' Deep) | 16007 | L.F. | \$18.75 | \$300,135 | 16007 | L.F. | \$18.75 | \$300,135 | | |
| 6" Gravity Collection Line (8'-10' Deep) | 16007 | L.F. | \$16.75 | \$268,121 | 16007 | L.F. | \$16.75 | \$268,121 | | |
| 6" Gravity Collection Line (6'-8' Deep) | 16007 | L.F. | \$16.00 | \$256,115 | 16007 | L.F. | \$16.00 | \$256,115 | | |
| 6" Gravity Collection Line (4'-6' Deep) | 16007 | L.F. | \$16.00 | \$256,115 | 16007 | L.F. | \$16.00 | \$256,115 | | |
| 8" Effluent Line | 1200 | L.F. | \$20.75 | \$24,900 | 1200 | L.F. | \$20.75 | \$24,900 | | |
| Manhole (12'-14' Deep) | 32 | Each | \$1,900.00 | \$60,827 | 32 | Each | \$1,900.00 | \$60,827 | | |
| Manhole (10'-12' Deep) | 32 | Each | \$1,700.00 | \$54,424 | 32 | Each | \$1,700.00 | \$54,424 | | |
| Manhole (8'-10' Deep) | 32 | Each | \$1,500.00 | \$48,022 | 32 | Each | \$1,500.00 | \$48,022 | | |
| Manhole (6'-8' Deep) | 32 | Each | \$1,300.00 | \$41,619 | 32 | Each | \$1,300.00 | \$41,619 | | |
| Manhole (4'-6' Deep) | 32 | Each | \$1,300.00 | \$41,619 | 32 | Each | \$1,300.00 | \$41,619 | | |
| Cleanout | 594 | Each | \$1,000.00 | \$594,000 | 594 | Each | \$1,000.00 | \$594,000 | | |
| Lift Station with Grinder Pumps (1-20 GPM) | 7 | Each | \$50,000.00 | \$350,000 | 7 | Each | \$50,000.00 | \$350,000 | | |
| Lift Station with Grinder Pumps (20-40 GPM) | 4 | Each | \$50,000.00 | \$200,000 | 4 | Each | \$50,000.00 | \$200,000 | | |
| Lift Station with Grinder Pumps (40-60 GPM) | 2 | Each | \$50,000.00 | \$100,000 | 2 | Each | \$50,000.00 | \$100,000 | | |
| Lift Station with Grinder Pumps (60-80 GPM) | 1 1 | Each | \$80,000.00 | \$80,000 | 1 1 | Each | \$80,000.00 | \$80,000 | | |
| Lift Station with Grinder Pumps (80-100 GPM) | | Each | \$80,000.00 | \$0 | ol | Each | \$80,000.00 | \$0 | | |
| Lift Station with Grinder Pumps (100-120 GPM) | 1 | Each | \$170,000.00 | \$170,000 | 1 | Each | \$170,000.00 | \$170,000 | | |
| Lift Station with Grinder Pumps (120-140 GPM) | 2 | Each | \$170,000.00 | | 2 | Each | \$170,000.00 | \$340,000 | | |
| Lift Station with Grinder Pumps (140-160 GPM) | 1 1 | Each | \$170,000.00 | \$170,000 | 1 | Each | \$170,000.00 | \$170,000 | | |
| Lift Station with Grinder Pumps (160-180 GPM) | | Each | \$170,000.00 | \$0 | Ö | Each | \$170,000.00 | \$0 | | |
| Lift Station with Grinder Pumps (180-200 GPM) | | Each | \$170,000.00 | \$0 | ŏ | Each | \$170,000.00 | \$0 | | |
| 4" Force Main | 61120 | L.F. | \$9.75 | \$595,920 | 61120 | L.F. | \$9.75 | \$595.920 | | |
| 6" Gravity Main (4'-6' Deep) | 10330 | L.F. | \$19.75 | \$204,018 | 10330 | L.F. | \$19.75 | \$204,018 | | |
| Service Connections | 594 | Each | \$500.00 | \$297,000 | 594 | Each | \$500.00 | \$297,000 | | |
| Pavement Repair | 26679 | S.Y. | \$30.00 | \$800,360 | 26679 | S.Y. | \$30.00 | \$800,360 | | |
| Trench Safety | 80036 | L.F. | \$1.50 | \$120,054 | 80036 | 5.1.
L.F. | \$1.50 | \$120,054 | | |
| Trends dately | 00050 | L.1 . | \$1.50 | ψ120,034 | 00000 | L., . | ψ1.50 | ₩120,054 | | |
| Subtotal Construction | | | i I | \$6,327,385 | | | | \$6,327,385 | | |
| Contingencies | 15% | | | \$949,108 | 15% | | | \$949,108 | | |
| Project Administration | 1% | | 1 | \$63,274 | 1% | | | \$63,274 | | |
| Engineering Design Phase | 12% | | | \$759,286 | 12% | | | \$759,286 | | |
| Construction Inspection | 1% | | | \$63,274 | 1% | | 1 1 | \$63,274 | | |
| Geotechnical | 1% | | | \$63,274 | 1% | | | \$63,274 | | |
| Design Surveying | 2% | | | \$126,548 | 2% | | ļ l | \$126,548 | | |
| Construction Surveying | 1% | | | \$63,274 | 1% | | | \$63,274 | | |
| Material Testing | 1% | | | \$63,274 | 1% | | | \$63,274 | | |
| Engineering Construction Phase | 2% | | 1 1 | \$126,548 | 2% | | , , | \$126,548 | | |
| Wastewater Discharge Permits | 2% | | ļ l | \$126,548 | 2% | | j l | \$126,548 | | |
| Easements | 5% | | j | \$316,369 | 5% | | 1 | \$316,369 | | |
| Legal | 2% | | ! | \$126,548 | 2% | | | \$126,548 | | |
| | 1 1 | | | | | | ļ | | | |
| Fiscal | 2% | | | \$126,548 | 2% | | | \$126,548 | | |
| Subtotal Non-Construction | | | | \$2,973,871 | | | | \$2,973,871 | | |
| TOTAL PROJECT COST | | | | \$9,301,256 | | | | \$9,301,256 | | |

SABINE COUNTY TOTAL WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND NATURAL TREATMENT

| | | 2010 | PHASE | | 1 | 2020 | PHASE | _ | T | 2030 | PHASE | | <u> </u> | TOTAL | PROJECT | |
|---|----------|--------|--------------|--------------|----------|-------|--------------|--------------|----------|-------|--------------|--------------|----------|-------|--------------|--------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| Description | Quantity | Viiita | Omt rice | 1 Otal | Quantity | Units | Dilleringe | Total | Quantity | Units | OIII FIICE | 10(4) | Quantity | Ville | Ollitrice | 1 Ulai |
| Natural Treatment Facilities (.001005 MGD) | 1 1 | Each | \$85,000.00 | \$85,000 | 5 | Each | \$85,000.00 | \$425,000 | 5 | Each | \$85,000.00 | \$425,000 | 11 | Each | \$85,000.00 | \$935,000 |
| Natural Treatment Facilities (.005010 MGD) | 6 | Each | \$170,000.00 | \$1,020,000 | 5 | Each | \$170,000,00 | \$850,000 | š | Each | \$170,000.00 | + , | 14 | Each | \$170,000,00 | |
| Natural Treatment Facilities (.010015 MGD) | 3 | Each | \$255,000.00 | \$765,000 | ō | Each | \$255,000,00 | \$0 | 7 | Each | \$255,000.00 | | 10 | Each | \$255,000.00 | |
| Natural Treatment Facilities (.015020 MGD) | i l | Each | \$340,000.00 | \$340,000 | 1 | Each | \$340,000.00 | \$340.000 | 6 | Each | \$340,000.00 | \$0 | 2 | Each | \$340,000.00 | |
| Natural Treatment Facilities (.020025 MGD) | ó | Each | \$425,000.00 | \$0 | ه ا | Each | \$425,000.00 | \$0 | 3 | Each | \$425,000.00 | | 3 | Each | \$425,000.00 | |
| Natural Treatment Facilities (.025030 MGD) | ŏ | Each | \$510,000.00 | \$0 | ō | Each | \$510,000.00 | \$0 | 3 | Each | \$510,000.00 | | 3 | Each | \$510,000.00 | |
| Natural Treatment Facilities (.030040 MGD) | ž | Each | \$680,000,00 | \$1,360,000 | 1 | Each | \$680,000.00 | | | Each | \$680,000.00 | \$680,000 | 4 | Each | \$680,000.00 | |
| 6" Gravity Collection Line (12'-14' Deep) | 28150 | L.F. | \$19.00 | \$534.850 | 20019 | L.F. | \$19.00 | \$380,365 | 47090 | L.F. | \$19.00 | \$894,710 | 95259 | L.F. | \$19.00 | \$1,809,925 |
| 6" Gravity Collection Line (10'-12' Deep) | 28150 | L.F. | \$18.75 | \$527,813 | 20019 | L.F. | \$18.75 | \$375,360 | 47090 | L.F. | \$18.75 | \$882,938 | 95259 | L.F. | \$18.75 | \$1,786,110 |
| 6" Gravity Collection Line (10-12 Deep) | 28150 | L.F. | \$16.75 | \$471.513 | 20019 | L.F. | \$16.75 | \$335,322 | 47090 | L.F. | \$16.75 | \$788,758 | 95259 | L.F. | \$16.75 | \$1,595,592 |
| 6" Gravity Collection Line (6'-8' Deep) | 28150 | L.F. | \$16.00 | \$450,400 | 20019 | L.F. | \$16.00 | \$320,307 | 47090 | L.F. | \$16.00 | \$753,440 | 95259 | L.F. | \$16.00 | \$1,524,147 |
| 6" Gravity Collection Line (4'-6' Deep) | 28150 | L.F. | \$16.00 | \$450,400 | 20019 | L.F. | \$16.00 | \$320,307 | 47090 | L.F. | \$16.00 | \$753,440 | 95259 | L.F. | \$16.00 | \$1,524,147 |
| 8" Effluent Line | 1300 | L.F. | \$20.75 | \$26,975 | 1200 | L.F. | \$20.75 | \$24,900 | 2200 | L.F. | \$20.75 | \$45,650 | 4700 | L.F. | \$20.75 | \$97.525 |
| Manhole (12'-14' Deep) | 56 | Each | \$1,900,00 | \$106,970 | 40 | Each | \$1,900.00 | \$76,073 | 94 | Each | \$1,900.00 | \$178,942 | 191 | Each | \$1,900.00 | \$361,985 |
| | 56 | | | | | | | | | | | | 191 | | | |
| Manhole (10'-12' Deep) | | Each | \$1,700.00 | \$95,710 | 40 | Each | \$1,700.00 | \$68,065 | 94 | Each | \$1,700.00 | \$160,106 | | Each | \$1,700.00 | \$323,881 |
| Manhole (8'-10' Deep) | 56
50 | Each | \$1,500.00 | \$84,450 | 40 | Each | \$1,500.00 | \$60,058 | 94 | Each | \$1,500.00 | \$141,270 | 191 | Each | \$1,500.00 | \$285,778 |
| Manhole (6'-8' Deep) | 56 | Each | \$1,300.00 | \$73,190 | 40 | Each | \$1,300.00 | \$52,050 | 94 | Each | \$1,300.00 | \$122,434 | 191 | Each | \$1,300.00 | \$247,674 |
| Manhole (4'-6' Deep) | 56 | Each | \$1,300.00 | \$73,190 | 40 | Each | \$1,300.00 | \$52,050 | 94 | Each | \$1,300.00 | \$122,434 | 191 | Each | \$1,300.00 | \$247,674 |
| Cleanout | 879 | Each | \$1,000.00 | \$879,000 | 580 | Each | \$1,000.00 | \$580,000 | 1662 | Each | \$1,000.00 | \$1,662,000 | 3121 | Each | \$1,000.00 | \$3,121,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 13 | Each | \$50,000.00 | \$650,000 | 9 | Each | \$50,000.00 | \$450,000 | 13 | Each | \$50,000.00 | \$650,000 | 35 | Each | \$50,000.00 | |
| Lift Station with Grinder Pumps (20-40 GPM) | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (40-60 GPM) | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (60-80 GPM) | 0 | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |) 0] | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | 0 [| Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$ 0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (100-120 GPM) | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (120-140 GPM) | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (140-160 GPM) | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (160-180 GPM) | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) | 0 | Each | \$170,000.00 | \$ 0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| 4" Force Main | 32000 | L.F. | \$9.75 | \$312,000 | 15100 | L.F. | \$9.75 | \$147,225 | 26500 | L.F. | \$9.75 | \$258,375 | 73600 | L.F. | \$9.75 | \$717,600 |
| Service Connections | 879 | Each | \$500.00 | \$439,500 | 580 | Each | \$500.00 | \$290,000 | 1662 | Each | \$500.00 | \$831,000 | 3121 | Each | \$500.00 | \$1,560,500 |
| Pavement Repair | 46917 | S.Y. | \$30.00 | \$1,407,500 | 33365 | S.Y. | \$30.00 | \$1,000,960 | 78483 | S.Y. | \$30.00 | \$2,354,500 | 158765 | S.Y. | \$30.00 | \$4,762,960 |
| Trench Safety | 140750 | L.F. | \$1.50 | \$211,125 | 100096 | L.F. | \$1.50 | \$150,144 | 235450 | L.F. | \$1.50 | \$353,175 | 476296 | L.F. | \$1.50 | \$714,444 |
| | | | 1 | | | | 1 | | | | | | | | | |
| Subtotal Construction | [| | | \$10,364,585 | | | | \$6,978,185 | | | | \$17,158,171 | | | | \$34,500,941 |
| Contingencies | 15% | | | \$1,554,688 | 15% | | | \$1,046,728 | 15% | | | \$2,573,726 | 15% | | 1 | \$5,175,141 |
| Project Administration | 1% | | | \$103.646 | 1% | | | \$69.782 | 1% | | | \$171.582 | 1% | | 1 | \$345.009 |
| Engineering Design Phase | 12% | | | \$1,243,750 | 12% | | | \$837,382 | 12% | | l . | \$2,058,981 | 12% | | | \$4,140,113 |
| Construction Inspection | 1% | | J J | \$103.646 | 1% | |) | \$69,782 | 1% | |) | \$171,582 | 1% | | ļ | \$345,009 |
| Geotechnical | 1% | | | \$103,646 | 1% | | | \$69,782 | 1% | | | \$171,582 | 1% | | | \$345,009 |
| | 2% | | | \$207,292 | 2% | | | \$139.564 | | | | | 2% | | | |
| Design Surveying | 1% | | | | | | | | 2% | | 1 | \$343,163 | | | | \$690,019 |
| Construction Surveying | | | | \$103,646 | 1% | | | \$69,782 | 1% | | | \$171,582 | 1% | | 1 | \$345,009 |
| Material Testing | 1% | | | \$103,646 | 1% | | | \$69,782 | 1% | | | \$171,582 | 1% | | 1 | \$345,009 |
| Engineering Construction Phase | 2% | | 1 1 | \$207,292 | 2% | l | l l | \$139,564 | 2% | | } | \$343,163 | 2% | | 1 | \$690,019 |
| Wastewater Discharge Permits | 2% | | | \$207,292 | 2% | | | \$139,564 | 2% | | 1 | \$343,163 | 2% | | | \$690,019 |
| Easements | 5% | | | \$518,229 | 5% | |] | \$348,909 | 5% | | | \$857,909 | 5% | | | \$1,725,047 |
| Legal | 2% | | | \$207,292 | 2% | | | \$139,564 | 2% | | 1 | \$343,163 | 2% | | | \$690,019 |
| Fiscal | 2% | | | \$207,292 | 2% | | | \$139,564 | 2% | | 1 | \$343,163 | 2% | | | \$690,019 |
| Subtotal Non-Construction | | | | \$4,871,355 | | | | \$3,279,747 | | | | \$8,064,340 | | | l | \$16,215,442 |
| TOTAL PROJECT COST | | | | \$15,235,940 | | | | \$10,257,933 | | | | \$25,222,511 | | | <u>L</u> | \$50,716,384 |

BEECHWOOD / SOUTH SABINE AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND NATURAL TREATMENT

| | · · | 2010 | PHASE | | | PROJECT | _ | |
|---|----------|-------|--------------|----------------------|----------|---------|--------------|---------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | |
| Natural Treatment Facilities (.001005 MGD) |] 1] | Each | \$85,000.00 | \$85,000 | 1 | Each | \$85,000.00 | \$85,000 |
| Natural Treatment Facilities (.005010 MGD) | 6 | Each | \$170,000.00 | \$1,020,000 | 6 | Each | \$170,000.00 | \$1,020,000 |
| Natural Treatment Facilities (.010015 MGD) | 3 | Each | \$255,000.00 | \$765,000 | 3 | Each | \$255,000.00 | \$765,000 |
| Natural Treatment Facilities (.015020 MGD) | 1 1 | Each | \$340,000.00 | \$340,000 | 1 | Each | \$340,000.00 | \$340,000 |
| Natural Treatment Facilities (.020025 MGD) | 0 | Each | \$425,000.00 | \$0 | 0 | Each | \$425,000.00 | \$0 |
| Natural Treatment Facilities (.025030 MGD) | 0 | Each | \$510,000.00 | \$0 | 0 | Each | \$510,000.00 | \$0 |
| Natural Treatment Facilities (.030040 MGD) | 2 | Each | \$680,000.00 | \$1,360,000 | 2 | Each | \$680,000.00 | \$1,360,000 |
| 6" Gravity Collection Line (12'-14' Deep) | 28150 | L.F. | \$19.00 | \$534,850 | 28150 | L.F. | \$19.00 | \$534,850 |
| 6" Gravity Collection Line (10'-12' Deep) | 28150 | L.F. | \$18.75 | \$527,813 | 28150 | L.F. | \$18.75 | \$527,813 |
| 6" Gravity Collection Line (8'-10' Deep) | 28150 | L.F. | \$16.75 | \$471,513 | 28150 | L.F. | \$16.75 | \$471,513 |
| 6" Gravity Collection Line (6'-8' Deep) | 28150 | L.F. | \$16.00 | \$450,400 | 28150 | L.F. | \$16.00 | \$450,400 |
| 6" Gravity Collection Line (4'-6' Deep) | 28150 | L.F. | \$16.00 | \$450,400 | 28150 | L.F. | \$16.00 | \$450,400 |
| 8" Effluent Line | 1300 | L.F. | \$20.75 | \$26,975 | 1300 | L.F. | \$20.75 | \$26,975 |
| Manhole (12'-14' Deep) | 56 | Each | \$1,900.00 | \$106,970 | 56 | Each | \$1,900.00 | \$106,970 |
| Manhole (10'-12' Deep) | 56 | Each | \$1,700.00 | \$95,710 | 56 | Each | \$1,700.00 | \$95,710 |
| Manhole (8'-10' Deep) | 56 | Each | \$1,500.00 | \$84,450 | 56 | Each | \$1,500.00 | \$84,450 |
| Manhole (6'-8' Deep) | 56 | Each | \$1,300.00 | \$73,190 | 56 | Each | \$1,300.00 | \$73,190 |
| Manhole (4'-6' Deep) | 56 | Each | \$1,300.00 | \$73,190 | 56 | Each | \$1,300.00 | \$73,190 |
| Cleanout | 879 | Each | \$1,000.00 | \$879,000 | 879 | Each | \$1,000.00 | \$879,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 13 | Each | \$50,000.00 | \$650,000 | 13 | Each | \$50,000.00 | \$650,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (40-60 GPM) | 0 | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (60-80 GPM) | 0 | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | 0 | Each | \$80,000.00 | \$ 0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (100-120 GPM) | 0 | Each | \$170,000.00 | | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (120-140 GPM) | 0 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (140-160 GPM) | 0 | Each | \$170,000.00 | | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (160-180 GPM) | 0 | Each | \$170,000.00 | | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (180-200 GPM) | 0 | Each | \$170,000.00 | | 0 | Each | \$170,000.00 | |
| 4" Force Main | 32000 | L.F. | \$9.75 | \$312,000 | 32000 | L.F. | \$9.75 | \$312,000 |
| Service Connections | 879 | Each | \$500.00 | \$439,500 | 879 | Each | \$500.00 | \$439,500 |
| Pavement Repair | 46917 | S.Y. | \$30.00 | \$1,407,500 | 46917 | S.Y. | \$30.00 | \$1,407,500 |
| Trench Safety | 140750 | L.F. | \$1.50 | \$211,125 | 140750 | L.F. | \$1.50 | \$211,125 |
| Subtotal Construction | | | | \$10,364,585 | | | ! | \$10,364,585 |
| Contingencies | 15% | | | \$1.554.688 | 15% | | | \$1.554.688 |
| Project Administration | 1% | | | \$103,646 | 1% | | | \$103,646 |
| Engineering Design Phase | 12% | | | \$1,243,750 | 12% | | | \$1,243,750 |
| Construction Inspection | 1% | | <u> </u> | \$103,646 | 1% | | 1 | \$103,646 |
| Geotechnical | 1% | | 1 | \$103,646 | 1% | | | \$103,646 |
| Design Surveying | 2% | | | \$207,292 | 2% | | | \$207,292 |
| Construction Surveying | 1% | | | \$103,646 | 1% | | | \$103,646 |
| Material Testing | 1% | | | \$103,646 | 1% | | | \$103,646 |
| Engineering Construction Phase | 2% | | | \$207,292 | 2% | | ļ | \$207,292 |
| Wastewater Discharge Permits | 2% | | • | \$207,292 | 2% | | | \$207,292 |
| Easements | 5% | | | \$518,229 | 5% | | | \$518,229 |
| Legal | 2% | | | \$207,292 | 2% | | 1 | \$207,292 |
| Fiscal | 2% | | | \$207,292 | 2% | | | \$207,292 |
| Subtotal Non-Construction | | | | \$4,871,355 | | | ĺ | \$ 4,871,355 |
| TOTAL PROJECT COST | | | | \$ 15,235,940 | | | | \$15,235,940 |

TIMBERLANE AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND NATURAL TREATMENT

| | | 2020 | PHASE | | | TÖTAL | PROJECT | |
|---|----------|-------|--------------|--------------|----------|-------|--------------|--------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | |
| Natural Treatment Facilities (.001005 MGD) | 5 | Each | \$85,000.00 | \$425,000 | 5 | Each | \$85,000.00 | \$425,000 |
| Natural Treatment Facilities (.005010 MGD) | 5 | Each | \$170,000.00 | \$850,000 | 5 | Each | \$170,000.00 | \$850,000 |
| Natural Treatment Facilities (.010015 MGD) | | Each | \$255,000.00 | \$0 | 0 | Each | \$255,000.00 | \$0 |
| Natural Treatment Facilities (.015020 MGD) | 1 1 | Each | \$340,000.00 | \$340,000 | 1 | Each | \$340,000.00 | \$340,000 |
| Natural Treatment Facilities (.020-025 MGD) | | Each | \$425,000.00 | \$0 | 0 | Each | \$425,000.00 | \$0 |
| Natural Treatment Facilities (.025030 MGD) | ł | Each | \$510,000.00 | \$0 | 0 | Each | \$510,000.00 | \$0 |
| Natural Treatment Facilities (.030040 MGD) | 1 1 | Each | \$680,000.00 | \$680,000 | 1 | Each | \$680,000.00 | \$680,000 |
| 6" Gravity Collection Line (12'-14' Deep) | 20019 | L.F. | \$19.00 | \$380,365 | 20019 | L.F. | \$19.00 | \$380,365 |
| 6" Gravity Collection Line (10'-12' Deep) | 20019 | L.F. | \$18.75 | \$375,360 | 20019 | L.F. | \$18.75 | \$375,360 |
| 6" Gravity Collection Line (8'-10' Deep) | 20019 | L.F. | \$16.75 | \$335,322 | 20019 | L.F. | \$16.75 | \$335,322 |
| 6" Gravity Collection Line (6'-8' Deep) | 20019 | L.F. | \$16.00 | \$320,307 | 20019 | L.F. | \$16.00 | \$320,307 |
| 6" Gravity Collection Line (4'-6' Deep) | 20019 | L.F. | \$16.00 | \$320,307 | 20019 | L.F. | \$16.00 | \$320,307 |
| 8" Effluent Line | 1200 | L.F. | \$20.75 | \$24,900 | 1200 | L.F. | \$20.75 | \$24,900 |
| Manhole (12'-14' Deep) | 40 | Each | \$1,900.00 | \$76,073 | 40 | Each | \$1,900.00 | \$76,073 |
| Manhole (10'-12' Deep) | 40 | Each | \$1,700.00 | \$68,065 | 40 | Each | \$1,700.00 | \$68,065 |
| Manhole (8'-10' Deep) | 40 | Each | \$1,500.00 | \$60,058 | 40 | Each | \$1,500.00 | \$60,058 |
| Manhole (6'-8' Deep) | 40 | Each | \$1,300.00 | \$52,050 | 40 | Each | \$1,300.00 | \$52,050 |
| Manhole (4'-6' Deep) | 40 | Each | \$1,300.00 | \$52,050 | 40 | Each | \$1,300.00 | \$52,050 |
| Cleanout | 580 | Each | \$1,000.00 | \$580,000 | 580 | Each | \$1,000.00 | \$580,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 9 | Each | \$50,000.00 | \$450,000 | 9 | Each | \$50,000.00 | \$450,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | [| Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (40-60 GPM) | | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (60-80 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (100-120 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (120-140 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (140-160 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (160-180 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| 4" Force Main | 15,100 | L.F. | \$9.75 | \$147,225 | 15100 | L.F. | \$9.75 | \$147,225 |
| Service Connections | 580 | Each | \$500.00 | \$290,000 | 580 | Each | \$500.00 | \$290,000 |
| Pavement Repair | 33365 | S.Y. | \$30.00 | \$1,000,960 | 33365 | S.Y. | \$30.00 | \$1,000,960 |
| Trench Safety | 100096 | L.F. | \$1.50 | \$150,144 | 100096 | L.F. | \$1.50 | \$150,144 |
| Subtotal Construction |]
[| | | \$6,978,185 | | | | \$6,978,185 |
| Contingencies | 15% | | | \$1,046,728 | 15% | | | \$1,046,728 |
| Project Administration | 1% | ' | | \$69,782 | 1% | | 1 | \$69,782 |
| Engineering Design Phase | 12% | | | \$837,382 | 12% | | 1 | \$837,382 |
| Construction Inspection | 1% | | | \$69,782 | 1% | | 1 . | \$69,782 |
| Geotechnical | 1% | | | \$69,782 | 1% | | 1 | \$69,782 |
| Design Surveying | 2% | | | \$139,564 | 2% | | | \$139,564 |
| Construction Surveying | 1% | | | \$69,782 | 1% | | 1 | \$69,782 |
| Material Testing | 1% | | | \$69.782 | 1% | | | \$69.782 |
| Engineering Construction Phase | 2% | ١, | | \$139,564 | 2% | | 1 . | \$139,564 |
| Wastewater Discharge Permits | 2% | | | \$139,564 | 2% | | | \$139,564 |
| Easements | 5% | | | \$348,909 | 5% | | | \$348,909 |
| Legal | 2% | | | \$139,564 | 2% | | | \$139,564 |
| Fiscal | 2% | , | | \$139,564 | 2% | | | \$139,564 |
| Subtotal Non-Construction | 1 | | | \$3,279,747 | | | ĺ | \$3,279,747 |
| | | | | | | | | |
| TOTAL PROJECT COST | | | | \$10,257,933 | | | | \$10,257,933 |

EL CAMINO BAY AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLECTION AND NATURAL TREATMENT

| | | 2030 | PHASE | | | TOTAL | PROJECT | |
|---|----------|--------------|--------------------|----------------------|----------|-------|--------------|----------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | |
| Natural Treatment Facilities (.001005 MGD) | 2 | Each | \$85,000.00 | \$170,000 | 2 | Each | \$85,000.00 | \$170,000 |
| Natural Treatment Facilities (.005010 MGD) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Natural Treatment Facilities (.010015 MGD) | 2 | Each | \$255,000.00 | \$510,000 | 2 | Each | \$255,000.00 | \$510,000 |
| Natural Treatment Facilities (.015020 MGD) | 1 I | Each | \$340,000.00 | \$0 | 0 | Each | \$340,000.00 | \$0 |
| Natural Treatment Facilities (.020025 MGD) | 1 | Each | \$425,000.00 | \$425,000 | 1 | Each | \$425,000.00 | \$425,000 |
| Natural Treatment Facilities (.025030 MGD) | 2 | Each | \$510,000.00 | \$1,020,000 | 2 | Each | \$510,000.00 | \$1,020,000 |
| Natural Treatment Facilities (.030040 MGD) | 1 1 | Each | \$680,000.00 | \$680,000 | 1 | Each | \$680,000.00 | \$680,000 |
| 6" Gravity Collection Line (12'-14' Deep) | 18740 | L.F. | \$19.00 | \$356,060 | 18740 | L.F. | \$19.00 | \$356,060 |
| 6" Gravity Collection Line (10'-12' Deep) | 18740 | L.F. | \$18.75 | \$351,375 | 18740 | L.F. | \$18.75 | \$351,375 |
| 6" Gravity Collection Line (8'-10' Deep) | 18740 | L.F. | \$16.75 | \$313,895 | 18740 | L.F. | \$16.75 | \$313,895 |
| 6" Gravity Collection Line (6'-8' Deep) | 18740 | L.F. | \$16.00 | \$299,840 | 18740 | L.F. | \$16.00 | \$299,840 |
| 6" Gravity Collection Line (4'-6' Deep) | 18740 | L.F. | \$16.00 | \$299,840 | 18740 | L.F. | \$16.00 | \$299,840 |
| 8" Effluent Line | 800 | L.F. | \$20.75 | \$16,600 | 800 | L.F. | \$20.75 | \$16,600 |
| Manhole (12'-14' Deep) | 37 | Each | \$1,900.00 | \$71,212 | 37 | Each | \$1,900.00 | \$71,212 |
| Manhole (10'-12' Deep) | 37 | Each | \$1,700.00 | \$63,716 | 37 | Each | \$1,700.00 | \$63,716 |
| Manhole (8'-10' Deep) | 37 | Each | \$1,500.00 | \$56,220 | 37 | Each | \$1,500.00 | \$56,220 |
| Manhole (6'-8' Deep) | 37 | Each | \$1,300.00 | \$48,724 | 37 | Each | \$1,300.00 | \$48,724 |
| Manhole (4'-6' Deep) | 37 | Each | \$1,300.00 | \$48,724 | 37 | Each | \$1,300.00 | \$48,724 |
| Cleanout | 823 | Each | \$1,000.00 | \$823,000 | 823 | Each | \$1,000.00 | \$823,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 10 | Each | \$50,000.00 | \$500,000 | 10 | Each | \$50,000.00 | \$500,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | [[| Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (40-60 GPM) | | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (60-80 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (100-120 GPM) |] } | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (120-140 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (140-160 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (160-180 GPM) | | Each | \$170,000.00 | \$ 0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) | 20050 | Each | \$170,000.00 | | 0 | Each | \$170,000.00 | \$0 |
| 4" Force Main
Service Connections | 20850 | L.F.
Each | \$9.75
\$500.00 | \$203,288 | 20850 | L.F. | \$9.75 | \$203,288 |
| | 823 | | | \$411,500 | 823 | Each | \$500.00 | \$411,500 |
| Pavement Repair | 31233 | S.Y. | \$30.00 | \$937,000 | 31233 | S.Y. | \$30.00 | \$937,000 |
| Trench Safety | 93700 | L.F. | \$1.50 | \$140,550 | 93700 | L.F. | \$1.50 | \$140,550 |
| Subtotal Construction |] | | | \$7,746,544 | | | | \$7,746,544 |
| | [[| | | | | | [| |
| Contingencies | 15% | | | \$1,161,982 | 15% | | ļ | \$1,161,982 |
| Project Administration | 1% | | | \$77,465 | 1% | | i | \$77,465 |
| Engineering Design Phase | 12% | | | \$929,585 | 12% | | | \$929,585 |
| Construction Inspection | 1% | | 1 1 | \$77,465 | 1% | | 1 | \$77,465 |
| Geotechnical | 1% | | | \$77,465 | 1% | |] | \$77,465 |
| Design Surveying | 2% | | | \$154,931 | 2% | | | \$154,931 |
| Construction Surveying | 1% | |] | \$77,465 | 1% | | 1 | \$77,465 |
| Material Testing | 1% | | | \$77,465 | 1% | | 1 | \$77,465 |
| Engineering Construction Phase | 2% | | | \$154,931 | 2% | | i | \$154,931 |
| Wastewater Discharge Permits | 2% | | | \$154,931 | 2% | | | \$154,931 |
| Easements | 5% | | [| \$387,327 | 5% | | | \$387,327 |
| Legal | 2% | | | \$154,931 | 2% | | 1 | \$154,931 |
| Fiscal | 2% | | J | \$154,931 | 2% | | J | \$154,931 |
| Subtotal Non-Construction | | | | \$3,640,875 | | | | \$3,640,875 |
| TOTAL PROJECT COST | | | 1 | \$ 11,387,419 | | | | \$ 11,387,419 |

MIDLAKE AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND NATURAL TREATMENT

| Γ | | 2030 | PHASE | | | TOTAL | PROJECT | <u> </u> |
|--|-------------|--------------|--------------|-------------|----------|-------|--------------|-------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| Description | GREATHERY | Omits | Ontrice | - Otal | Quality | Units | Onit Frice | - TOTAL |
| Natural Treatment Facilities (.001005 MGD) | 1 | Each | \$85,000.00 | \$85,000 | 1 1 | Each | \$85,000.00 | \$85,000 |
| Natural Treatment Facilities (.005010 MGD) | | Each | \$170,000.00 | | [i | Each | \$170,000.00 | |
| Natural Treatment Facilities (.010015 MGD) | 1 1 | Each | \$255,000.00 | | 1 | Each | \$255,000.00 | \$255,000 |
| Natural Treatment Facilities (.015020 MGD) | 1 1 | Each | \$340,000.00 | \$0 | ò | Each | \$340,000.00 | |
| Natural Treatment Facilities (.020025 MGD) | 1 1 | Each | \$425,000.00 | | 1 1 | Each | \$425,000.00 | |
| Natural Treatment Facilities (,025030 MGD) | 1 1 | Each | \$510,000.00 | \$510,000 | lil | Each | \$510,000.00 | |
| Natural Treatment Facilities (.030040 MGD) | 1 ' 1 | Each | \$680,000.00 | | ا ن | Each | \$680,000.00 | |
| 6" Gravity Collection Line (12'-14' Deep) | 13730 | L.F. | \$19.00 | \$260,870 | 13730 | L.F. | \$19.00 | \$260,870 |
| 6" Gravity Collection Line (10'-12' Deep) | 13730 | L.F. | \$18.75 | \$257,438 | 13730 | L.F. | \$18.75 | \$257,438 |
| 6" Gravity Collection Line (8'-10' Deep) | 13730 | L.F. | \$16.75 | \$229,978 | 13730 | L.F. | \$16.75 | \$229,978 |
| 6" Gravity Collection Line (6'-8' Deep) | 13730 | L.F. | \$16.00 | \$219,680 | 13730 | L.F. | \$16.00 | \$219,680 |
| 6" Gravity Collection Line (4'-6' Deep) | 13730 | L.F. | \$16.00 | \$219,680 | 13730 | L.F. | \$16.00 | \$219,680 |
| 8" Effluent Line | 500 | L.F. | \$20.75 | \$10,375 | 500 | L.F. | \$20.75 | \$10,375 |
| Manhole (12'-14' Deep) | 27 | Each | \$1,900.00 | \$52,174 | 27 | Each | \$1,900.00 | \$52,174 |
| Manhole (10'-12' Deep) | 27 | Each | \$1,700.00 | \$46,682 | 27 | Each | \$1,700.00 | \$46,682 |
| Manhole (8'-10' Deep) | 27 | Each | \$1,700.00 | \$41,190 | 27 | Each | \$1,500.00 | \$41,190 |
| Manhole (6'-8' Deep) | 27 | Each | \$1,300.00 | \$35,698 | 27 | Each | \$1,300.00 | \$35,698 |
| Manhole (4'-6' Deep) | 27 | Each | \$1,300.00 | \$35,698 | 27 | Each | \$1,300.00 | \$35,698 |
| | 353 | Each | \$1,000.00 | \$353,000 | 353 | Each | \$1,000.00 | \$353,000 |
| Cleanout
Lift Station with Grinder Pumps (1-20 GPM) | 1 | Each | \$50,000.00 | \$50,000 | 1 | Each | \$50,000.00 | \$50,000 |
| | 1 ' } | Each | 1 ' ' | \$30,000 | | Each | \$50,000.00 | \$0,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | 1 | Each | \$50,000.00 | \$0
\$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (40-60 GPM)
Lift Station with Grinder Pumps (60-80 GPM) |] | Each | \$50,000.00 | \$0
\$0 | 0 | Each | \$80,000.00 | \$0
\$0 |
| • | 1 | | | \$0 | 0 | | | \$0
\$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | | Each
Each | \$80,000.00 | | 0 | Each | \$80,000.00 | |
| Lift Station with Grinder Pumps (100-120 GPM) | 1 1 | | \$170,000.00 | \$0
\$0 |) 0 | Each | \$170,000.00 | \$0
\$0 |
| Lift Station with Grinder Pumps (120-140 GPM) | i l | Each | \$170,000.00 | | - | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (140-160 GPM) | 1 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (160-180 GPM) | 1 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | \$0 |
| Lift Station with Grinder Pumps (180-200 GPM) | 1 4050 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| 4" Force Main | 1950 | L.F. | \$9.75 | \$19,013 | 1950 | L.F. | \$9.75 | \$19,013 |
| Service Connections | 353 | Each | \$500.00 | \$176,500 | 353 | Each | \$500.00 | \$176,500 |
| Pavement Repair | 22883 | S.Y. | \$30.00 | \$686,500 | 22883 | S.Y. | \$30.00 | \$686,500 |
| Trench Safety | 68650 | L.F. | \$1.50 | \$102,975 | 68650 | L.F. | \$1.50 | \$102,975 |
| Subtotal Construction | } | | Į | \$4,242,450 | | | } | \$4,242,450 |
| Contingonoice | 15% | | | \$636,367 | 15% | | | \$636,367 |
| Contingencies Project Administration | 1% | | | \$42,424 | 1% | | | \$42,424 |
| | | | | \$509.094 | 12% | | | \$509.094 |
| Engineering Design Phase | 12%
1% | | | | 12% | | | |
| Construction Inspection | | | 1 | \$42,424 | | | (| \$42,424 |
| Geotechnical | 1% | | | \$42,424 | 1% | | | \$42,424 |
| Design Surveying | 2% | | | \$84,849 | 2% | | | \$84,849 |
| Construction Surveying | 1% | | | \$42,424 | 1% | | I | \$42,424 |
| Material Testing | 1% | | | \$42,424 | 1% | | | \$42,424 |
| Engineering Construction Phase | 2% | | | \$84,849 | 2% | | [| \$84,849 |
| Wastewater Discharge Permits | 2% | | | \$84,849 | 2% | | | \$84,849 |
| Easements | 5% | | 1 | \$212,122 | 5% | | 1 | \$212,122 |
| Legal | 2% | | | \$84,849 | 2% | | | \$84,849 |
| Fiscal | 2% | | J. | \$84,849 | 2% | | J. | \$84,849 |
| Subtotal Non-Construction | | | | \$1,993,951 | | | | \$1,993,951 |
| TOTAL PROJECT COST | | | | \$6,236,401 | | | | \$6,236,401 |

NORTH AREA WASTEWATER SYSTEM IMPROVEMENTS GRAVITY COLLECTION AND NATURAL TREATMENT

| | | 2010 | PHASE | - | | TOTAL I | PROJECT | |
|---|----------|-------|------------------|-----------------------|----------|---------|--------------|-------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | - Critic I I I I | | | - OTALO | | |
| Natural Treatment Facilities (.001005 MGD) |] 2] | Each | \$85,000.00 | \$170,000 | 2 | Each | \$85,000.00 | \$170,000 |
| Natural Treatment Facilities (,005010 MGD) | 2 | Each | \$170,000.00 | \$340,000 | 2 | Each | \$170,000.00 | |
| Natural Treatment Facilities (.010015 MGD) | 4 | Each | \$255,000.00 | \$1,020,000 | 4 | Each | \$255,000.00 | \$1,020,000 |
| Natural Treatment Facilities (.015020 MGD) | 1 | Each | \$340,000.00 | \$0 | 0 | Each | \$340,000.00 | \$0 |
| Natural Treatment Facilities (.020025 MGD) | 1 1 | Each | \$425,000.00 | \$425,000 | 1 1 | Each | \$425,000.00 | \$425,000 |
| Natural Treatment Facilities (.025030 MGD) | } | Each | \$510,000.00 | \$0 | 0 | Each | \$510,000.00 | |
| Natural Treatment Facilities (.030040 MGD) | | Each | \$680,000.00 | \$0 | 0 | Each | \$680,000.00 | \$0 |
| 6" Gravity Collection Line (12'-14' Deep) | 14620 | L.F. | \$19.00 | \$277,780 | 14620 | L.F. | \$19.00 | \$277,780 |
| 6" Gravity Collection Line (10'-12' Deep) | 14620 | L.F. | \$18.75 | \$274,125 | 14620 | L.F. | \$18.75 | \$274,125 |
| 6" Gravity Collection Line (8'-10' Deep) | 14620 | L.F. | \$16.75 | \$244,885 | 14620 | L.F. | \$16.75 | \$244,885 |
| 6" Gravity Collection Line (6'-8' Deep) | 14620 | L.F. | \$16.00 | \$233,920 | 14620 | L.F. | \$16.00 | \$233,920 |
| 6" Gravity Collection Line (4'-6' Deep) | 14620 | L.F. | \$16.00 | \$233,920 | 14620 | L.F. | \$16.00 | \$233,920 |
| 8" Effluent Line | 900 | L.F. | \$20.75 | \$18,675 | 900 | L.F. | \$20.75 | \$18,675 |
| Manhole (12'-14' Deep) | 29 | Each | \$1,900.00 | \$55,556 | 29 | Each | \$1,900.00 | \$55,556 |
| Manhole (10'-12' Deep) | 29 | Each | \$1,700.00 | \$49,708 | 29 | Each | \$1,700.00 | \$49,708 |
| Manhole (8'-10' Deep) | 29 | Each | \$1,500.00 | \$43,860 | 29 | Each | \$1,500.00 | \$43,860 |
| Manhole (6'-8' Deep) | 29 | Each | \$1,300.00 | \$38,012 | 29 | Each | \$1,300.00 | \$38,012 |
| Manhole (4'-6' Deep) | 29 | Each | \$1,300.00 | \$38,012 | 29 | Each | \$1,300.00 | \$38,012 |
| Cleanout | 486 | Each | \$1,000.00 | \$486,000 | 486 | Each | \$1,000.00 | \$486,000 |
| Lift Station with Grinder Pumps (1-20 GPM) | 2 | Each | \$50,000.00 | \$100,000 | 2 | Each | \$50,000.00 | \$100,000 |
| Lift Station with Grinder Pumps (20-40 GPM) | [] | Each | \$50,000.00 | \$0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (40-60 GPM) | | Each | \$50,000.00 | \$ 0 | 0 | Each | \$50,000.00 | \$0 |
| Lift Station with Grinder Pumps (60-80 GPM) | | Each | \$80,000.00 | \$ 0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (80-100 GPM) | | Each | \$80,000.00 | \$0 | 0 | Each | \$80,000.00 | \$0 |
| Lift Station with Grinder Pumps (100-120 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (120-140 GPM) | 1 | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (140-160 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (160-180 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| Lift Station with Grinder Pumps (180-200 GPM) | | Each | \$170,000.00 | \$0 | 0 | Each | \$170,000.00 | |
| 4" Force Main | 3700 | L.F. | \$9.75 | \$36,075 | 3700 | L.F. | \$9.75 | \$36,075 |
| Service Connections | 486 | Each | \$500.00 | \$243,000 | 486 | Each | \$500.00 | \$243,000 |
| Pavement Repair | 24366.7 | S.Y. | \$30.00 | \$731,000 | 24367 | S.Y. | \$30.00 | \$731,000 |
| Trench Safety | 73100 | L.F. | \$1.50 | \$109,650 | 73100 | L.F. | \$1.50 | \$109,650 |
| Subtotal Construction | | | , | \$5,169,178 | | | | \$5,169,178 |
| Contingencies | 15% | | | \$775,377 | 15% | | | \$775.377 |
| Project Administration | 1% | | | \$775,577
\$51,692 | 1% | | | \$51,692 |
| Engineering Design Phase | 12% | | | \$620,301 | 12% | | | \$620,301 |
| Construction Inspection | 1% | | i i | \$51,692 | 1% | | i | \$51,692 |
| Geotechnical | 1% | | [[| \$51,692 | 1% | | [| \$51,692 |
| Design Surveying | 2% | | | \$103,384 | 2% | | | \$103,384 |
| Construction Surveying | 1% | | | \$51,692 | 1% | | | \$51,692 |
| Material Testing | 1% | | | \$51,692
\$51,692 | 1% | | | \$51,692 |
| Engineering Construction Phase | 2% | | j 1 | \$103,384 | 2% | | 1 | \$103,384 |
| Wastewater Discharge Permits | 2% | | | \$103,384 | 2% | | 1 | \$103,384 |
| Easements | 5% | | | \$258,459 | 5% | | i | \$258,459 |
| ILegal | 2% | | 1 l | \$103,384 | 2% | | | \$103,384 |
| Fiscal | 2% | | | \$103,384 | 2% | | | \$103,384 |
| Subtotal Non-Construction | -/- | | | \$2,429,514 | -/- | | 1 | \$2,429,514 |
| | | | | | | | 1 | |
| TOTAL PROJECT COST | | | | \$7,598,692 | l | | l | \$7,598,692 |

SABINE COUNTY TOTAL WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | | 2010 | PHASE | | | 2020 | PHASE | | | 2020 | PHASE | | | TOTAL PROJECT | | | |
|---|----------|---------------|--------------|------------------|----------|--------|--------------|---|----------|-------|--------------|------------------------|----------|---------------|--------------|--------------|--|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | |
| Description | Quantity | Units | Unitrice | TOTAL | Quartity | Office | OIIII PIICE | TOTAL | Quantity | Units | Unit Frice | Total | Quantity | Units | Onit Price | lotai | |
| Conventional Wastewater Treatment Pla | 0 | Each | \$260,000.00 | \$0 | ا ہ ا | Each | \$260,000.00 | \$0 | 1 1 | Each | \$260,000.00 | \$260,000 | 1 1 | Each | \$260,000.00 | \$260,000 | |
| Conventional Wastewater Treatment Pla | ا ة ا | Each | \$310,000.00 | \$0 | اةا | Each | \$310,000.00 | \$0 | | Each | \$310,000.00 | \$310,000 | | Each | \$310,000.00 | \$310,000 | |
| Conventional Wastewater Treatment Pla | Ö | Each | \$350,000.00 | \$0 | 1 1 | Each | \$350,000.00 | \$350,000 | 6 | Each | \$350,000.00 | \$0.000 | | Each | \$350,000.00 | \$350,000 | |
| Conventional Wastewater Treatment Pla | ŏ | Each | \$440,000.00 | \$ 0 | 6 | Each | \$440,000.00 | \$330,000 | 1 1 | Each | \$440,000.00 | \$440,000 | | Each | \$440,000.00 | \$440,000 | |
| Conventional Wastewater Treatment Pla | 1 1 | Each | \$520,000.00 | \$520,000 | | Each | \$520,000.00 | \$520,000 | | Each | \$520,000.00 | \$520,000 | 3 | Each | \$520,000.00 | \$1,560,000 | |
| Conventional Wastewater Treatment Pla | 1 1 | Each | \$610,000.00 | \$610,000 | 6 | Each | \$610,000.00 | \$520,000 | ' | Each | \$610.000.00 | \$320,000
\$0 | 1 | Each | \$610,000.00 | \$610,000 | |
| Conventional Wastewater Treatment Pla | 6 | Each | \$650,000.00 | \$010,000 | 0 | Each | \$650,000.00 | \$0 | 2 | Each | \$650,000.00 | \$1,300,000 |] ½] | Each | \$650,000.00 | \$1,300,000 | |
| 2" STEP Line | 141220 | L.F. | \$7.25 | \$1,023,B45 | 100096 | L.F. | \$7.25 | \$725,696 | 265896 | L.F. | \$7.25 | \$1,927,746 | 507212 | L.F. | \$7.25 | \$3.677.287 | |
| Electrical Connection and STEP Pump | 960 | Each | \$3,500.00 | \$3,360,000 | 646 | Each | \$3,500.00 | \$2,261,000 | 2080 | Each | \$3,500.00 | \$7,280,000 | 3686 | Each | \$3,500.00 | \$12,901,000 | |
| Septic Tank Replacement | 320 | Each | \$1,500.00 | \$480.000 | 215 | Each | \$1,500.00 | \$323,000 | 693 | Each | \$1,500.00 | \$1,040,000 | 1229 | Each | \$1,500.00 | \$1,843,000 | |
| 6" Gravity Main (4'-6' Deep) | 14585 | L.F. | \$19.75 | \$288,054 | 3640 | L.F. | \$19.75 | \$71,890 | 47990 | L.F. | \$19.75 | \$947.803 | 66215 | L.F. | \$19.75 | \$1,307,746 | |
| 8" Effluent Line | 2400 | L.F. | \$20.75 | \$49,800 | 2600 | L.F. | \$20.75 | \$53,950 | 3400 | L.F. | \$20.75 | \$70,550 | 8400 | L.F. | \$20.75 | \$174,300 | |
| Manhole (12'-14' Deep) | 0 | Each | \$1,900.00 | \$0 | 0 | Each | \$1,900.00 | \$0 | 0 | Each | \$1,900.00 | \$0 | 0 | Each | \$1,900.00 | \$0 | |
| Manhole (10'-12' Deep) | ŏ | Each | \$1,700.00 | \$0 | ا ة ا | Each | \$1,700.00 | \$0 | ő | Each | \$1,700.00 | \$ 0 | ŏ | Each | \$1,700.00 | \$0 | |
| Manhole (8'-10' Deep) | اةا | Each | \$1,500.00 | \$ 0 | l ŏ l | Each | \$1,500.00 | \$0 | 0 | Each | \$1,700.00 | \$0
\$0 | | Each | \$1,500.00 | \$0
\$0 | |
| Manhole (6'-8' Deep) | ا ہ ا | Each | \$1,300.00 | \$0
\$0 | ŏ | Each | \$1,300.00 | \$0 | ا ہ | Each | \$1,300.00 | \$0
\$0 | 0 1 | Each | \$1,300.00 | \$0
\$0 | |
| Manhole (4'-6' Deep) | 29.17 | Each | \$1,300.00 | \$37,921 | 7.28 | Each | \$1,300.00 | \$9,464 | 95.98 | Each | \$1,300.00 | \$124,774 | 132.43 | Each | \$1,300.00 | \$172,159 | |
| Cleanout | 960 | Each | \$1,000.00 | \$960,000 | 646 | Each | \$1,000.00 | \$646,000 | 2080 | Each | \$1,000.00 | \$2,080,000 | 3686 | Each | \$1,000.00 | \$3,686,000 | |
| Lift Station with Centrifugal Pumps (1-20 | | Each | \$45,000.00 | \$360,000 | 5 | Each | \$45,000.00 | \$225,000 | 19 | Each | \$45,000.00 | \$855,000 | 32 | Each | \$45,000.00 | \$1,440,000 | |
| Lift Station with Centrifugal Pumps (20-4 | 4 | Each | \$45,000.00 | \$180,000 | 5 | Each | \$45,000.00 | \$225,000 | 8 | Each | \$45,000.00 | \$360,000 | 17 | Each | \$45,000.00 | \$765,000 | |
| Lift Station with Centrifugal Pumps (40-6 | 4 | Each | \$45,000.00 | \$180,000 | 3 | Each | \$45,000.00 | \$135,000 | 6 | Each | \$45,000.00 | \$270,000 | 13 | Each | \$45,000.00 | \$585,000 | |
| Lift Station with Centrifugal Pumps (60-8 | 1 1 | Each | \$72,000.00 | \$144,000 | ŏ | Each | \$72,000.00 | \$135,000 | | Each | \$72,000.00 | \$72,000 | 3 | Each | \$72,000.00 | \$216,000 | |
| Lift Station with Centrifugal Pumps (80-1 | 1 1 | Each | \$72,000.00 | \$72,000 | 0 | Each | \$72,000.00 | \$144,000 | 1 1 | Each | \$72,000.00 | \$72,000 | 4 | Each | \$72,000.00 | \$288,000 | |
| Lift Station with Centrifugal Pumps (100- | i 1 | Each | \$155,000.00 | \$155,000 | اةا | Each | \$155,000.00 | \$0 | 2 | Each | \$155,000.00 | \$310,000 | 3 | Each | \$155,000.00 | \$465,000 | |
| Lift Station with Centrifugal Pumps (120- | انا | Each | \$155,000.00 | \$0 | ا م ا | Each | \$155,000.00 | \$0
\$0 | 2 | Each | \$155,000.00 | \$310,000
\$310,000 | 2 | Each | \$155,000.00 | \$310,000 | |
| Lift Station with Centrifugal Pumps (140- | ŏ | Each | \$155,000.00 | 50 | ŏ | Each | \$155,000.00 | \$0 | 1 | Each | \$155,000.00 | \$155,000 | 1 | Each | \$155,000.00 | \$155,000 | |
| Lift Station with Centrifugal Pumps (160- | ŏ | Each | \$155,000.00 | \$0 | اۃا | Each | \$155,000.00 | \$0 | انا | Each | \$155,000.00 | \$0 | 6 | Each | \$155,000.00 | \$155,000 | |
| Lift Station with Centrifugal Pumps (180- | | Each | \$155,000.00 | \$155,000 | ŏ | Each | \$155,000.00 | \$0 | ő | Each | \$155,000.00 | \$ 0 | 1 1 | Each | \$155,000.00 | \$155,000 | |
| 2" Force Main | 65900 | L.F. | \$7.25 | \$477,775 | 64610 | L.F. | \$7.25 | \$468,423 | 161830 | L.F. | \$7.25 | \$1,173,268 | 292340 | L.F. | \$7.25 | \$2,119,465 | |
| Service Connections | 960 | Each | \$500.00 | \$480,000 | 646 | Each | \$500.00 | \$323,000 | 2080 | Each | \$500.00 | \$1,040,000 | 3686 | Each | \$500.00 | \$1,843,000 | |
| Pavement Repair | 31382.22 | S.Y. | \$30.00 | \$941.467 | 22243.56 | L.F. | \$30.00 | \$667,307 | 59088 | L.F. | \$30.00 | \$1,772,640 | 112713.8 | L.F. | \$30.00 | \$3,381,413 | |
| Trench Safety | 14585 | L.F. | \$1.50 | \$21,878 | 3640 | L.F. | \$1.50 | \$5,460 | 47990 | L.F. | \$1.50 | \$71,985 | 66215 | L.F. | \$1.50 | \$99,323 | |
| Trendit Gardly | 14000 | L .1 . | \$1.50 | \$2.1,070 | 3040 | L | \$1.50 | 45,700 | 1 4/330 | L.r. | 31.50 | \$11,505 | 00210 | € | \$1.50 | \$55,323 | |
| Subtotal Construction |]] | | , , | \$10,496,739 |]] | | J I | \$7,154,189 |]] | |) j | \$22,762,765 |)) | |) . | \$40,413,693 | |
| | | | l l | * , , | | | l | *************************************** | | | | 40-1. 42, 1 | | | | *,, | |
| Contingencies | 15% | | į į | \$1,574,511 | 15% | | ! ! | \$1,073,128 | 15% | | | \$3,414,415 | 15% | | | \$6.062.054 | |
| Project Administration | 1% | | 1 1 | \$104.967 | 1% | | 1 | \$71,542 | 1% | | <u> </u> | \$227,628 | 1% | | [] | \$404,137 | |
| Engineering Design Phase | 12% | | | \$1,259,609 | 12% | | | \$858,503 | 12% | | 1 | \$2,731,532 | 12% | | | \$4,849,643 | |
| Construction Inspection | 1% | | 1 1 | \$104,967 | 1% | | () | \$71,542 | 1% | | 1 1 | \$227.628 | 1% | | i 1 | \$404.137 | |
| Geotechnical | 1% | | | \$104,967 | 1% | | | \$71,542 | 1% | | | \$227,628 | 1% | | | \$404,137 | |
| Design Surveying | 2% | | | \$209,935 | 2% | | | \$143,084 | 2% | | | \$455,255 | 2% | | | \$808,274 | |
| Construction Surveying | 1% | | !!! | \$104,967 | 1% | | | \$71,542 | 1% | | | \$227,628 | 1% | | | \$404,137 | |
| Material Testing | 1% | |] } | \$104.967 | 1% | | J J | \$71,542 | 1% | | ! | \$227,628 | 1% | |] | \$404,137 | |
| Engineering Construction Phase | 2% | | | \$209,935 | 2% | | | \$143,084 | 2% | | | \$455,255 | 2% | | | \$808,274 | |
| Wastewater Discharge Permits | 2% | | | \$209,935 | 2% | | ļ | \$143,084 | 2% | | i | \$455,255 | 2% | | 1 | \$808,274 | |
| Easements | 5% | | | \$524,837 | 5% | | 1 | \$357,709 | 5% | | | \$1,138,138 | 5% | | | \$2,020,685 | |
| Legal | 2% | | ; i | \$209,935 | 2% | | ļ | \$143,084 | 2% | | | \$455,255 | 2% | |] ! | \$808,274 | |
| Fiscal | 2% | | l í | \$209,935 | 2% | | l l | \$143,084 | 2% | | ĺ | \$455,255 | 2% | | ļ 1 | \$808,274 | |
| . 13327 | -~ | | | 4200,000 | " | | | J 170.004 | 4/0 | | | \$40J,EJJ | 2.79 | |] | \$000,214 | |
| Subtotal Non-Construction | | | | \$4,933,467 | | | | \$3,362,469 | | | | \$10,698,500 | | | | \$18,994,436 | |
| TOTAL PROJECT COST | | | | \$15,430,206 | | | | \$10,516,658 | | | | \$33,461,265 | | | | \$59,408,129 | |

BEECHWOOD / SOUTH SABINE AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | | 2010 | 010 PHASE TOTAL PROJECT | | | | | |
|--|----------|--------|-------------------------|-----------------|----------|--------|---------------|-----------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| Description | Quantity | Office | Office Frice | TOLAT | Quantity | Office | Office 1 fice | 100 |
| Conventional Wastewater Treatment Plant (0.03 MGD) | j | Each | \$260,000.00 | \$0 | 0 | Each | \$260,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.04 MGD) | | Each | \$310,000.00 | \$0 | Ö | Each | \$310,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.05 MGD) | | Each | \$350,000.00 | \$0 | Ö | Each | \$350,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.07 MGD) | | Each | \$440,000.00 | \$0 | Ö | Each | \$440,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.09 MGD) | 1 1 | Each | \$520,000.00 | \$520,000 | 1 | Each | \$520,000.00 | \$520,000 |
| Conventional Wastewater Treatment Plant (0.11 MGD) | i | Each | \$610,000.00 | \$610,000 | 1 1 | Each | \$610,000.00 | \$610,000 |
| Conventional Wastewater Treatment Plant (0.12 MGD) | ' | Each | \$650,000.00 | \$0 | o l | Each | \$650,000.00 | \$0 |
| 2" STEP Line | 141220 | L.F. | \$7.25 | \$1,023,845 | 141220 | L.F. | \$7.25 | \$1,023,845 |
| Electrical Connection and STEP Pump | 960 | Each | \$3,500.00 | \$3,360,000 | 960 | Each | \$3,500.00 | \$3,360,000 |
| Septic Tank Replacement | 320 | Each | \$1,500.00 | \$480,000 | 320 | Each | \$1,500.00 | \$480,000 |
| 6" Gravity Main (4'-6' Deep) | 14585 | L.F. | \$19.75 | \$288,054 | 14585 | L.F. | \$19.75 | \$288,054 |
| 8" Effluent Line | 2400 | L.F. | \$20.75 | \$49,800 | 2400 | L.F. | \$20.75 | \$49,800 |
| Manhole (12'-14' Deep) | 0 | Each | \$1,900.00 | \$0 | 0 | Each | \$1,900.00 | \$0 |
| Manhole (10'-12' Deep) | 0 | Each | \$1,700.00 | \$0 | ŏ | Each | \$1,700.00 | \$ 0 |
| Manhole (8'-10' Deep) | Ö | Each | \$1,500.00 | \$ 0 | o | Each | \$1,500.00 | \$0 |
| Manhole (6'-8' Deep) | 0 1 | Each | \$1,300.00 | \$0 | o I | Each | \$1,300.00 | \$0 |
| Manhole (4'-6' Deep) | 29 | Each | \$1,300.00 | \$37,921 | 29 | Each | \$1,300.00 | \$37,921 |
| Cleanout | 960 | Each | \$1,000.00 | \$960,000 | 960 | Each | \$1,000.00 | \$960,000 |
| Lift Station with Centrifugal Pumps (1-20 GPM) | 8 | Each | \$45,000.00 | \$360,000 | 8 | Each | \$45,000.00 | \$360,000 |
| Lift Station with Centrifugal Pumps (20-40 GPM) | 4 | Each | \$45,000.00 | \$180,000 | 4 | Each | \$45,000.00 | \$180,000 |
| Lift Station with Centrifugal Pumps (40-60 GPM) | 4 | Each | \$45,000.00 | \$180,000 | 4 | Each | \$45,000.00 | \$180,000 |
| Lift Station with Centrifugal Pumps (60-80 GPM) | 2 | Each | \$72,000.00 | \$144,000 | 2 | Each | \$72,000.00 | \$144,000 |
| Lift Station with Centrifugal Pumps (80-100 GPM) | 1 | Each | \$72,000.00 | \$72,000 | 1 1 | Each | \$72,000.00 | \$72,000 |
| Lift Station with Centrifugal Pumps (100-120 GPM) | 1 1 | Each | \$155,000.00 | \$155,000 | i | Each | \$155,000.00 | \$155,000 |
| Lift Station with Centrifugal Pumps (120-140 GPM) |] '] | Each | \$155,000.00 | \$0 |) i | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (140-160 GPM) | | Each | \$155,000.00 | \$0 | ŏ | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (160-180 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (180-200 GPM) | 1 1 | Each | \$155,000.00 | \$155,000 | | Each | \$155,000.00 | \$155,000 |
| 2" Force Main | 65900 | L.F. | \$7.25 | \$477,775 | 65900 | L.F. | \$7.25 | \$477,775 |
| Service Connections | 960 | Each | \$500.00 | \$480,000 | 960 | Each | \$500.00 | \$480,000 |
| Pavement Repair | 31382 | S.Y. | \$30.00 | \$941,467 | 31382 | L.F. | \$30.00 | \$941,467 |
| Trench Safety | 14585 | L.F. | \$1.50 | \$21,878 | 14585 | L.F. | \$1.50 | \$21,878 |
| Trendit duloty | 14000 | | \$1.55 | V 21,010 | 14000 | L., . | 1 41.00 | 4 21,510 |
| Subtotal Construction | | |]] | \$10,496,739 | | |] | \$10,496,739 |
| Contingencies | 15% | | | \$1,574,511 | 15% | | | \$1,574,511 |
| Project Administration | 1% | | | \$104.967 | 1% | | l i | \$104,967 |
| Engineering Design Phase | 12% | | | \$1,259,609 | 12% | | | \$1,259,609 |
| Construction Inspection | 1% | | 1 | \$104,967 | 1% | | | \$104,967 |
| Geotechnical | 1% | | 1 | \$104,967 | 1% | | 1 1 | \$104,967 |
| Design Surveying | 2% | |] | \$209,935 | 2% | | | \$209,935 |
| Construction Surveying | 1% | | | \$104,967 | 1% | | l l | \$104,967 |
| Material Testing | 1% | | | \$104,967 | 1% | | [| \$104,967 |
| Engineering Construction Phase | 2% | | j | \$209,935 | 2% | |] | \$209.935 |
| Wastewater Discharge Permits | 2% | |] [| \$209,935 | 5% | | | \$524,837 |
| Easements | 5% | | | \$524,837 | 2% | | | \$209,935 |
| Legal | 2% | | | \$209,935 | 2% | | 1 | \$209,935 |
| Fiscal | 2% | | | \$209,935 | 2% | | | \$209,935 |
| Subtotal Non-Construction | | | | \$4,933,467 | | | } | \$4,933,467 |
| | | | | | | | | |
| TOTAL PROJECT COST | | | <u> </u> | \$15,430,206 | | | <u></u> | \$15,430,206 |

TIMBERLANE AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | T | 2020 1 | PHASE | | Γ | TOTAL | PROJECT | |
|---|----------|--------|--------------|--------------------------|----------|-------------|--------------|--------------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | 0 | | | | - | |
| Conventional Wastewater Treatment Plant (0.03 MGD) | l ' | Each | \$260,000.00 | \$0 | lol | Each | \$260,000,00 | \$0 |
| Conventional Wastewater Treatment Plant (0.04 MGD) | | Each | \$310,000.00 | \$0 | ا ہ | Each | \$310,000.00 | \$ 0 |
| Conventional Wastewater Treatment Plant (0.05 MGD) | 1 | Each | \$350,000.00 | \$350,000 | 1 1 | Each | \$350,000.00 | \$350,000 |
| Conventional Wastewater Treatment Plant (0.07 MGD) | , | Each | \$440,000.00 | \$0 | ا ہ | Each | \$440,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.09 MGD) | 1 | Each | \$520,000.00 | \$520,000 | 1 1 | Each | \$520,000.00 | \$520,000 |
| Conventional Wastewater Treatment Plant (0.11 MGD) | 1 | Each | \$610,000.00 | \$0 | 1 6 1 | Each | \$610,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.12 MGD) | ļ | Each | \$650,000.00 | \$0 | ا ہ | Each | \$650,000.00 | \$0 |
| 2" STEP Line | 100096 | L.F. | \$7.25 | \$725,696 | 100096 | L.F. | \$7.25 | \$725,696 |
| Electrical Connection and STEP Pump | 646 | Each | \$3,500.00 | \$2,261,000 | 646 | Each | \$3,500.00 | \$2,261,000 |
| Septic Tank Replacement | 215 | Each | \$1,500.00 | \$323,000 | 215 | Each | \$1,500.00 | \$323,000 |
| 6" Gravity Main (4'-6' Deep) | 3640 | L.F. | \$19.75 | \$71,890 | 3640 | L.F. | \$19.75 | \$71,890 |
| 8" Effluent Line | 2600 | L.F. | \$20.75 | \$53,950 | 2600 | L.F. | \$20.75 | \$53,950 |
| Manhole (12'-14' Deep) | 1 2000 | Each | \$1,900.00 | \$0 | 0 | Each | \$1,900.00 | \$0 |
| Manhole (10'-12' Deep) | | Each | \$1,700.00 | \$ 0 | 0 | Each | \$1,700.00 | \$0 |
| Manhole (8'-10' Deep) | | Each | \$1,500.00 | \$0 | l ŏ l | Each | \$1,500.00 | \$ 0 |
| Manhole (6'-8' Deep) | i | Each | \$1,300.00 | \$0 | ŏ | Each | \$1,300.00 | \$0 |
| Manhole (4'-6' Deep) | 7 | Each | \$1,300.00 | \$9,464 | 7 | Each | \$1,300.00 | \$9.464 |
| Cleanout | 646 | Each | \$1,000.00 | \$646,000 | 646 | Each | \$1,000.00 | \$646,000 |
| Lift Station with Centrifugal Pumps (1-20 GPM) | 5 | Each | \$45,000.00 | \$225,000 | 5 | Each | \$45,000.00 | \$225,000 |
| Lift Station with Centrifugal Pumps (20-40 GPM) | 5 | Each | \$45,000.00 | \$225,000 | 5 | Each | \$45,000.00 | \$225,000 |
| Lift Station with Centrifugal Pumps (40-60 GPM) | 3 | Each | \$45,000.00 | \$135,000 | 3 | Each | \$45,000.00 | \$135,000 |
| Lift Station with Centrifugal Pumps (60-80 GPM) | " | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (80-100 GPM) | 2 | Each | \$72,000.00 | \$144,000 | 2 | Each | \$72,000.00 | \$144,000 |
| Lift Station with Centrifugal Pumps (100-120 GPM) | | Each | \$155,000.00 | \$0 | ō | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (120-140 GPM) | 1 | Each | \$155,000.00 | \$0 | l ŏ l | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (140-160 GPM) | | Each | \$155,000.00 | \$0 | [o [| Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (160-180 GPM) | | Each | \$155,000.00 | \$0 | Ö | Each | \$155,000.00 | \$ 0 |
| Lift Station with Centrifugal Pumps (180-200 GPM) | | Each | \$155,000.00 | \$ 0 | 0 | Each | \$155,000.00 | \$0 |
| 2" Force Main | 64610 | L.F. | \$7.25 | \$468,423 | 64610 | L.F. | \$7.25 | \$468,423 |
| Service Connections | 646 | Each | \$500.00 | \$323,000 | 646 | Each | \$500.00 | \$323,000 |
| Pavement Repair | 22244 | S.Y. | \$30.00 | \$667,307 | 22244 | L.F. | \$30.00 | \$667,307 |
| Trench Safety | 3640 | L.F. | \$1.50 | \$5,460 | 3640 | L.F. | \$1.50 | \$5,460 |
| Trench Salety | 3040 | L.F. | \$1.50 | \$5,400 | 3040 | L ., | \$1.50 | \$5,400 |
| Subtotal Construction | | | | \$7,154,189 | | | 1 | \$7,154,189 |
| Subtotal Constituction | | ŀ | | ₩7,13 -1 ,100 | [| | | \$1,10 4 ,100 |
| Contingencies | 15% | l | | \$1,073,128 | 15% | | ļ | \$1,073,128 |
| Project Administration | 1% | l | | \$71,542 | 1% | | | \$71,542 |
| Engineering Design Phase | 12% | | j l | \$858,503 | 12% | | j ļ | \$858,503 |
| Construction Inspection | 1% | 1 | | \$71,542 | 1% | | l i | \$71,542 |
| Geotechnical | 1% | | | \$71,542
\$71,542 | 1% | | | \$71,542
\$71,542 |
| Geotechnical Design Surveying | 2% | | | \$71,542
\$143,084 | 2% | | [| \$71,542
\$143,084 |
| Construction Surveying | 1% | ĺ | | \$71,542 | 1% | |] | \$71,542 |
| Material Testing | 1% | 1 | | \$71,542
\$71,542 | 1% | | | \$71,542
\$71,542 |
| Material Testing Engineering Construction Phase | 2% | l | | \$71,542
\$143,084 | 2% | | | \$71,542
\$143,084 |
| Engineering Construction Phase Wastewater Discharge Permits | 2% | 1 . | 1 1 | \$143,084
\$143,084 | 5% | | 1 1 | \$143,084
\$357,709 |
| | | | | | 2% | | | |
| Easements | 5% | | ļ. | \$357,709 | 2% | | | \$143,084 |
| Legal
Signal | 2% | | | \$143,084
\$143,084 | | | į | \$143,084
\$143,084 |
| Fiscal | 2% | l | | \$143,084 | 2% | | | \$143,084 |
| Subtotal Non-Construction | | | | \$3,362,469 | | |] | \$3,362,469 |
| TOTAL PROJECT COST | | ' | | \$10,516,658 | | | | \$10,516,658 |

EL CAMINO BAY AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | | 2030 1 | PHASE | | 7 | OTAL E | ROJECT | |
|--|----------|----------|--------------|-----------------|----------|--------|--------------|------------------|
| Description | Quantity | Units | Unit Price | Total | Duantity | | Unit Price | Total |
| Description | Quantity | Units | Offic Price | Total | -uantity | Ollita | Office Price | |
| Conventional Wastewater Treatment Plant (0.03 MGD) | 1 | Each | \$260,000.00 | \$260,000 | 1 | Each | \$260,000.00 | \$260,000 |
| Conventional Wastewater Treatment Plant (0.04 MGD) | 1 1 | Each | \$310,000.00 | \$310,000 | i | Each | \$310,000.00 | \$310,000 |
| Conventional Wastewater Treatment Plant (0.05 MGD) | ' | Each | \$350,000.00 | \$0 | 0 | Each | \$350,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.07 MGD) | 1 1 | Each | \$440,000.00 | \$440,000 | | Each | \$440,000.00 | \$440,000 |
| Conventional Wastewater Treatment Plant (0.09 MGD) | | Each | \$520,000.00 | \$520,000 | lil | Each | \$520,000.00 | \$520,000 |
| Conventional Wastewater Treatment Plant (0.03 MGD) | , ' | Each | \$610,000.00 | \$0 | ; | Each | \$610,000.00 | \$020,000
\$0 |
| Conventional Wastewater Treatment Plant (0.12 MGD) | | Each | \$650,000.00 | \$0 | ا ہ | Each | \$650,000.00 | \$0 |
| 2" STEP Line | 108076 | L.F. | \$7.25 | \$783,551 | 1E+05 | L.F. | \$7.25 | \$783,551 |
| Electrical Connection and STEP Pump | 888 | Each | \$3,500.00 | \$3,108,000 | 888 | Each | \$3,500.00 | \$3,108,000 |
| Septic Tank Replacement | 296 | Each | \$1,500.00 | \$444,000 | 296 | Each | \$1,500.00 | \$444,000 |
| 6" Gravity Main (4'-6' Deep) | 27620 | L.F. | \$1,300.00 | \$545,495 | 27620 | L.F. | \$1,300.00 | \$545,495 |
| 8" Effluent Line | 1150 | L.F. | \$20.75 | \$23,863 | 1150 | L.F. | \$20.75 | \$23,863 |
| Manhole (12'-14' Deep) | 1130 | Each | \$1,900.00 | \$23,003
\$0 | 0 | Each | \$1,900.00 | \$0 |
| Manhole (10'-12' Deep) | 1 | Each | \$1,700.00 | \$0 | 0 | Each | \$1,700.00 | \$0
\$0 |
| Manhole (8'-10' Deep) | | Each | \$1,700.00 | \$0
\$0 | ١٥١ | Each | \$1,500.00 | \$0
\$0 |
| Manhole (6'-8' Deep) | | Each | \$1,300.00 | \$0
\$0 | 0 | Each | \$1,300.00 | \$ 0 |
| Manhole (4'-6' Deep) | 55 | Each | \$1,300.00 | \$71,812 | 55 | Each | \$1,300.00 | \$71.812 |
| Cleanout | 888 | Each | \$1,000.00 | \$888,000 | 888 | Each | \$1,000.00 | \$888,000 |
| Lift Station with Centrifugal Pumps (1-20 GPM) | 9 | Each | \$45,000.00 | \$405,000 | 9 | Each | \$45,000.00 | \$405,000 |
| Lift Station with Centrifugal Pumps (20-40 GPM) | 4 | Each | \$45,000.00 | \$180,000 | 4 | Each | \$45,000.00 | \$180,000 |
| Lift Station with Centrifugal Pumps (40-60 GPM) | 2 | Each | \$45,000.00 | \$90,000 | 2 | Each | \$45,000.00 | \$180,000 |
| Lift Station with Centrifugal Pumps (40-80 GPM) | _ | Each | \$72,000.00 | \$0,000 | 6 | Each | \$72,000.00 | \$0
\$0 |
| Lift Station with Centrifugal Pumps (80-100 GPM) | | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (100-120 GPM) | 1 1 | Each | \$155,000.00 | \$155,000 | 1 | Each | \$155,000.00 | \$155,000 |
| Lift Station with Centrifugal Pumps (100-120 GPM) | ! ' | Each | \$155,000.00 | \$155,000 | Ö | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pumps (120-140 GPM) | | Each | \$155,000.00 | \$0 | Ö | Each | \$155,000.00 | \$0
\$0 |
| Lift Station with Centrifugal Pumps (140-160 GPM) | | Each | \$155,000.00 | \$0
\$0 | ŏ | Each | \$155,000.00 | \$ 0 |
| Lift Station with Centrifugal Pumps (180-200 GPM) | | Each | \$155,000.00 | \$0 | اة | Each | \$155,000.00 | \$0 |
| 2" Force Main | 53300 | L.F. | \$7.25 | \$386,425 | 53300 | L.F. | \$7.25 | \$386,425 |
| Service Connections | 888 | Each | \$500.00 | \$444,000 | 888 | Each | \$500.00 | \$444,000 |
| Pavement Repair | 24017 | S.Y. | \$30.00 | \$720.507 | 24017 | L.F. | \$30.00 | \$720.507 |
| Trench Safety | 27620 | L.F. | \$1.50 | \$41,430 | 27620 | L.F. | \$1.50 | \$41,430 |
| Trendit Salety | 21020 | L.T. | \$1.50 | 941,400 | 21020 | E.I . | \$1,50 | ψ+1,450 |
| Subtotal Construction | i | | | \$9.817.082 | | | | \$9,817,082 |
| | | | | 4-, | | | | 4-77 |
| Contingencies | 15% | i | | \$1,472,562 | 15% | | ļ | \$1,472,562 |
| Project Administration | 1% | 1 |] | \$98,171 | 1% | |) i | \$98,171 |
| Engineering Design Phase | 12% | | | \$1,178,050 | 12% | | | \$1,178,050 |
| Construction Inspection | 1% | | | \$98,171 | 1% | | | \$98,171 |
| Geotechnical | 1% | ļ | ļ ļ | \$98,171 | 1% | | l l | \$98,171 |
| Design Surveying | 2% | | | \$196,342 | 2% | | | \$196,342 |
| Construction Surveying | 1% | | [| \$98,171 | 1% | | | \$98,171 |
| Material Testing | 1% | l | | \$98,171 | 1% | | | \$98,171 |
| Engineering Construction Phase | 2% | . | | \$196,342 | 2% | | ļ | \$196,342 |
| Wastewater Discharge Permits | 2% | | | \$196,342 | 5% | | | \$490,854 |
| Easements | 5% | | | \$490,854 | 2% | | | \$196,342 |
| Legal | 2% | 1 | i | \$196,342 | 2% | ; | | \$196,342 |
| Fiscal | 2% | } | \ | \$196,342 | 2% | | | \$196,342 |
| Subtotal Non-Construction | | | | \$4,614,029 | | | | \$4,614,029 |
| | | [| , | | | | | . , . |
| TOTAL PROJECT COST | | <u> </u> | <u> </u> | \$14,431,111 | <u> </u> | | <u> </u> | \$14,431,111 |

MIDLAKE AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | T | 2030 | PHASE | | TOTAL PROJECT | | | | | |
|--|----------|-------|--------------|------------------------|-----------------|-------|--------------|------------------------|--|--|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | | |
| | | | | | | | | _ | | |
| Conventional Wastewater Treatment Plant (0.03 MGD) | 1 | Each | \$260,000.00 | \$0 | 0 | Each | \$260,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.04 MGD) | | Each | \$310,000.00 | \$ 0 | 0 | Each | \$310,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.05 MGD) | | Each | \$350,000.00 | \$0 | 0 | Each | \$350,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.07 MGD) | i | Each | \$440,000.00 | \$0 | 0 | Each | \$440,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.09 MGD) | | Each | \$520,000.00 | \$0 | 0 | Each | \$520,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.11 MGD) |) | Each | \$610,000.00 | \$0 | 0 | Each | \$610,000.00 | \$0 | | |
| Conventional Wastewater Treatment Plant (0.12 MGD) | 1 | Each | \$650,000.00 | \$650,000 | 1 | Each | \$650,000.00 | \$650,000 | | |
| 2" STEP Line | 77784 | L.F. | \$7.25 | \$563,934 | 77784 | L.F. | \$7.25 | \$563,934 | | |
| Electrical Connection and STEP Pump | 598 | Each | \$3,500.00 | \$2,093,000 | 598 | Each | \$3,500.00 | \$2,093,000 | | |
| Septic Tank Replacement | 199 | Each | \$1,500.00 | \$299,000 | 199 | Each | \$1,500.00 | \$299,000 | | |
| 6" Gravity Main (4'-6' Deep) | 10040 | L.F. | \$19.75 | \$198,290 | 10040 | L.F. | \$19.75 | \$198,290 | | |
| 8" Effluent Line | 1050 | Ļ.F. | \$20.75 | \$21,788 | 1050 | L.F. | \$20.75 | \$21,788 | | |
| Manhole (12'-14' Deep) | | Each | \$1,900.00 | \$0 | 0 | Each | \$1,900.00 | \$0 | | |
| Manhole (10'-12' Deep) | | Each | \$1,700.00 | \$0 | 0 | Each | \$1,700.00 | \$0 | | |
| Manhole (8'-10' Deep) | ļ | Each | \$1,500.00 | \$0 | 0 | Each | \$1,500.00 | \$0 | | |
| Manhole (6'-8' Deep) | ŀ | Each | \$1,300.00 | \$0 | 0 | Each | \$1,300.00 | \$0 | | |
| Manhole (4'-6' Deep) | 20 | Each | \$1,300.00 | \$26,104 | 20 | Each | \$1,300.00 | \$26,104 | | |
| Cleanout | 598 | Each | \$1,000.00 | \$598,000 | 598 | Each | \$1,000.00 | \$598,000 | | |
| Lift Station with Centrifugal Pumps (1-20 GPM) | 3 | Each | \$45,000.00 | \$135,000 | 3 | Each | \$45,000.00 | \$135,000 | | |
| Lift Station with Centrifugal Pumps (20-40 GPM) | \ | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 | | |
| Lift Station with Centrifugal Pumps (40-60 GPM) | 2 | Each | \$45,000.00 | \$90,000 | 2 | Each | \$45,000.00 | \$90,000 | | |
| Lift Station with Centrifugal Pumps (60-80 GPM) | | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 | | |
| Lift Station with Centrifugal Pumps (80-100 GPM) | 1 | Each | \$72,000.00 | \$72,000 | 1 | Each | \$72,000.00 | \$72,000 | | |
| Lift Station with Centrifugal Pumps (100-120 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | | |
| Lift Station with Centrifugal Pumps (120-140 GPM) | \ | Each | \$155,000.00 | \$0 | 0 ' | Each | \$155,000.00 | \$0 | | |
| Lift Station with Centrifugal Pumps (140-160 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | | |
| Lift Station with Centrifugal Pumps (160-180 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | | |
| Lift Station with Centrifugal Pumps (180-200 GPM) | 1 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | | |
| 2" Force Main | 47410 | L.F. | \$7.25 | \$343,723 | 47410 | L.F. | \$7.25 | \$343,723 | | |
| Service Connections | 598 | Each | \$500.00 | \$299,000 | 598 | Each | \$500.00 | \$299,000 | | |
| Pavement Repair | 17285 | S.Y. | \$30.00 | \$518,560 | 17285 | L.F. | \$30.00 | \$518,560 | | |
| Trench Safety | 10040 | L.F. | \$1.50 | \$15,060 | 10040 | L.F. | \$1.50 | \$15,060 | | |
| Subtotal Construction | | | į l | \$5,923,458 | | | į | \$5,923,458 | | |
| Contingencies | 15% | | | \$888,519 | 15% | | | \$888,519 | | |
| Project Administration | 1% | | | \$59,235 | 1% | |] | \$59,235 | | |
| Engineering Design Phase | 12% | | | \$710,815 | 12% | | | \$710,815 | | |
| Construction Inspection | 1% | | | \$59,235 | 1% | | | \$59,235 | | |
| Geotechnical | 1% | |] | \$59,235 | 1% | |)) | \$59,235 | | |
| Design Surveying | 2% | | [| \$118,469 | 2% | | | \$118,469 | | |
| Construction Surveying | 1% | |] | \$59.235 | 1% | | 1 [| \$59,235 | | |
| Material Testing | 1% | | 1 | \$59,235
\$59.235 | 1% | | | \$59,235
\$59,235 | | |
| Engineering Construction Phase | 2% | | Į į | \$118,469 | 2% | | i l | \$118,469 | | |
| Wastewater Discharge Permits | 2% | | | \$118,469 | 5% | | | \$296,173 | | |
| Easements | 5% | | | \$296,173 | 2% | | [| \$290,173
\$118,469 | | |
| | 2% | | | \$290,173
\$118,469 | 2% | | | \$118,469 | | |
| Legal
Fiscal | 2%
2% | | | \$118,469
\$118,469 | 2%
2% | | ¦ | \$118,469 | | |
| Fiscal | 270 | | } | \$110,409
 | ∠ ⁷⁰ | | <u> </u> | φ i io,469 | | |
| Subtotal Non-Construction | | | | \$2,784,025 | | | | \$2,784,025 | | |
| TOTAL PROJECT COST | | | | \$8,707,483 | | | | \$8,707,483 | | |

NORTH AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND CONVENTIONAL CENTRALIZED TREATMENT

| | | 2030 | PHASE | | · | TOTAL | PROJECT | |
|--|----------|-------|--------------------|------------------------|----------|-------|--------------------|------------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| Description | Quantity | OHILS | Unit Price | TOTAL | Quantity | Units | Unit Price | Total |
| Conventional Wastewater Treatment Plant (0.03 MGD) | | Each | \$260,000.00 | \$0 | ا ہ ا | Each | \$260,000,00 | \$0 |
| Conventional Wastewater Treatment Plant (0.03 MgD) | | Each | \$310,000.00 | \$0
\$0 | 0 | Each | \$310,000.00 | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.05 MGD) | | Each | \$350,000.00 | \$O | | Each | \$350,000.00 | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.07 MGD) | | Each | \$440,000.00 | \$0 | 0 1 | Each | \$440,000,00 | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.09 MGD) | | Each | \$520,000.00 | \$ 0 | ŏ | Each | \$520,000.00 | \$0 |
| Conventional Wastewater Treatment Plant (0.03 MGD) | | Each | \$610,000.00 | \$0 | | Each | \$610,000.00 | \$0
\$0 |
| Conventional Wastewater Treatment Plant (0.12 MGD) | 1 1 | Each | \$650,000.00 | \$650,000 | | Each | \$650,000.00 | \$650,000 |
| 2" STEP Line | 80036 | L.F. | \$7.25 | \$580,261 | 80036 | L.F. | \$7.25 | \$580,261 |
| Electrical Connection and STEP Pump | 594 | Each | \$3,500.00 | \$2,079,000 | 594 | Each | \$3,500,00 | \$2,079,000 |
| Septic Tank Replacement | 198 | Each | \$1,500.00 | \$297,000 | 198 | Each | \$1,500.00 | \$297,000 |
| 6" Gravity Main (4'-6' Deep) | 10330 | L.F. | \$1,300.00 | \$204,018 | 10330 | L.F. | \$1,300.00 | \$297,000 |
| 8" Effluent Line | 1200 | L.F. | \$20.75 | \$24,900 | 1200 | L.F. | \$20.75 | \$204,018 |
| Manhole (12'-14' Deep) | 1200 | Each | \$1,900.00 | \$24,900
\$0 | 0 | Each | \$1,900.00 | \$0 |
| Manhole (10'-12' Deep) | | Each | \$1,700.00 | \$0
\$0 | Ö | Each | \$1,700.00 | \$0
\$0 |
| Manhole (8'-10' Deep) | | Each | \$1,700.00 | \$0
\$0 | l ö l | Each | \$1,500.00 | \$0
\$0 |
| Manhole (6'-8' Deep) | | Each | \$1,300.00 | \$0
\$0 | 0 | Each | \$1,300.00 | \$0
\$0 |
| Manhole (4'-6' Deep) | 21 | Each | \$1,300.00 | \$26,858 | 21 | Each | \$1,300.00 | \$26,858 |
| Cleanout | 594 | Each | \$1,000.00 | \$594.000 | 594 | Each | \$1,000.00 | \$594,000 |
| Lift Station with Centrifugal Pumps (1-20 GPM) | 7 | Each | \$45,000.00 | \$315,000 | 7 | Each | \$45,000.00 | \$315,000 |
| Lift Station with Centrifugal Pumps (1-20 GPM) | 4 | Each | \$45,000.00 | \$180,000 | 4 | Each | \$45,000.00 | \$180,000 |
| Lift Station with Centrifugal Pumps (40-60 GPM) | 2 | Each | \$45,000.00 | \$90,000 | 2 | Each | \$45,000.00 | \$90,000 |
| Lift Station with Centrifugal Pumps (60-80 GPM) | 1 1 | Each | \$72,000.00 | \$72,000 | 1 1 | Each | \$72,000.00 | \$72,000 |
| Lift Station with Centrifugal Pumps (80-100 GPM) | ' | Each | \$72,000.00 | \$72,000 | 6 | Each | \$72,000.00 | \$72,000
\$0 |
| Lift Station with Centrifugal Pumps (100-120 GPM) | 1 | Each | \$155,000.00 | \$155,000 | 1 | Each | \$155,000.00 | \$155,000 |
| Lift Station with Centrifugal Pumps (100-120 GPM) | 2 | Each | \$155,000.00 | \$310,000 | 2 | Each | \$155,000.00 | \$310,000 |
| Lift Station with Centrifugal Pumps (140-140 GPM) | 1 1 | Each | \$155,000.00 | \$155,000
\$155,000 | | Each | \$155,000.00 | \$310,000
\$155,000 |
| Lift Station with Centrifugal Pumps (140-160 GPM) | ' | Each | \$155,000.00 | \$155,000 | اہٰا | Each | \$155,000.00 | \$155,000 |
| Lift Station with Centrifugal Pumps (180-100 GPM) | | Each | \$155,000.00 | \$0
\$0 | 0 | Each | \$155,000.00 | \$0
\$0 |
| 2" Force Main | 61120 | L.F. | | • | 61120 | L.F. | | • |
| Service Connections | 594 | Each | \$7.25
\$500.00 | \$443,120
\$207,000 | 594 | Each | \$7.25
\$500.00 | \$443,120 |
| | 17786 | | | \$297,000 | 1 | _ | | \$297,000 |
| Pavement Repair | 1 | S.Y. | \$30.00 | \$533,573 | 17786 | L.F. | \$30.00 | \$533,573 |
| Trench Safety | 10330 | L.F. | \$1.50 | \$15,495 | 10330 | L.F. | \$1.50 | \$15,495 |
| Subtotal Construction | | | | \$7,022,225 | | | | \$7,022,225 |
| Contingencies | 15% | | | \$1,053,334 | 15% | | | \$1,053,334 |
| Project Administration | 1% | | | \$70,222 | 1% | | [| \$70,222 |
| Engineering Design Phase | 12% | | <u> </u> | \$842,667 | 12% | | (| \$842,667 |
| Construction Inspection | 1% | | | \$70,222 | 1% | | | \$70,222 |
| Geotechnical | 1% | | | \$70,222 | 1% | | | \$70,222 |
| Design Surveying | 2% | | ; | \$140,444 | 2% | | | \$140,444 |
| Construction Surveying | 1% | | j i | \$70,222 | 1% | | | \$140,444
\$70,222 |
| Material Testing | 1% | | | \$70,222 | 1% | | | \$70,222
\$70,222 |
| Engineering Construction Phase | 2% | | | \$140,444 | 2% | | | \$140,444 |
| Wastewater Discharge Permits | 2% | |] | \$140,444
\$140,444 | 5% | |)) | \$140,444
\$351,111 |
| Easements | 5% | | [| \$140,444
\$351,111 | 2% | | | \$140,444 |
| Legal | 2% | | | \$140,444 | 2% | | ! ! | \$140,444
\$140,444 |
| Legal
Fiscal | 2% | | | | 2% | | | |
| Fiscal | 270 | | | \$140,444 | 270 | | | \$140,444 |
| Subtotal Non-Construction | | | | \$3,300,446 | | | | \$3,300,446 |
| TOTAL PROJECT COST | <u> </u> | | <u> </u> | \$10,322,671 | <u> </u> | | <u> </u> | \$10,322,671 |

SABINE COUNTY TOTAL WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND NATURAL TREATMENT

| | | 2010 | PHASE | | | 2020 | PHASE | | | 2030 | PHASE | | | TOTAL | PROJECT | |
|--|-------------------|-------|--------------|--------------|----------|-------|--------------|--------------|----------|-------|--------------|----------------------|----------|-------|--------------|--------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Tota! | Quantity | Units | Unit Price | Total |
| | | | | | | | | | | | | | | | | |
| Natural Treatment System (.001005 MGD) | 1 1 | Each | \$75,000.00 | \$75,000 | 5 | Each | \$75,000.00 | \$375,000 | 5 | Each | \$75,000.00 | \$375,000 | 11 | Each | \$75,000.00 | \$825,000 |
| Natural Treatment System (.005010 MGD) | 6 | Each | \$150,000.00 | \$900,000 | 5 | Each | \$150,000.00 | \$750,000 | 3 | Each | \$150,000.00 | \$450,000 | 14 | Each | \$150,000.00 | \$2,100,000 |
| Natural Treatment System (.010015 MGD) | 3 | Each | \$225,000.00 | \$675,000 | 0 | Each | \$225,000.00 | \$0 | 7 | Each | \$225,000.00 | \$1,575,000 | 10 | Each | \$225,000.00 | \$2,250,000 |
| Natural Treatment System (.015020 MGD) | 1 1 | Each | \$300,000.00 | \$300,000 | 1 1 | Each | \$300,000.00 | \$300,000 | 0 1 | Each | \$300,000.00 | \$ 0 | 2 | Each | \$300,000.00 | \$600,000 |
| Natural Treatment System (.020025 MGD) | 0 | Each | \$375,000.00 | \$0 | 0 | Each | \$375,000.00 | \$0 | 3 | Each | \$375,000.00 | | 3 | Each | \$375,000.00 | |
| Natural Treatment System (.025030 MGD) | 0 | Each | \$450,000.00 | \$0 | 0 | Each | \$450,000.00 | \$0 | 3 | Each | \$450,000.00 | \$1,350,000 | 3 | Each | \$450,000.00 | \$1,350,000 |
| Natural Treatment System (.030040 MGD) | 2 | Each | \$600,000.00 | \$1,200,000 | 1 1 | Each | \$600,000.00 | \$600,000 | 1 | Each | \$600,000.00 | \$600,000 | 4 1 | Each | \$600,000.00 | \$2,400,000 |
| 2" STEP Line | 140750 | L.F. | \$7.25 | \$1,020,438 | 100096 | L.F. | \$7.25 | \$725,696 | 235450 | L.F. | \$7.25 | \$1,707,013 | 476296 | L.F. | \$7.25 | \$3,453,146 |
| Electrical Connection and STEP Pump | 879 | Each | \$3,500.00 | \$3,076,500 | 580 | Each | \$3,500.00 | \$2,030,000 | 1662 | Each | \$3,500.00 | \$5,817,000 | 3121 | Each | \$3,500.00 | \$10,923,500 |
| Septic Tank Replacement | 293 | Each | \$1,500.00 | \$439,500 | 193 | Each | \$1,500.00 | \$290,000 | 554 | Each | \$1,500.00 | \$831,000 | 1040 | Each | \$1,500.00 | \$1,560,500 |
| 8" Effluent Line | 1300 | L.F. | \$20.75 | \$26,975 | 1200 | L.F. | \$20.75 | \$24,900 | 2200 | L.F. | \$20.75 | \$45,650 | 4700 | L.F. | \$20.75 | \$97,525 |
| Cleanout | 879 | Each | \$1,000.00 | \$879,000 | 580 | Each | \$1,000.00 | \$580,000 | 1662 | Each | \$1,000.00 | \$1,662,000 | 3121 | Each | \$1,000.00 | \$3,121,000 |
| Lift Station with Centrifugal Pump (1-20 GPM) | 13 | Each | \$45,000.00 | \$585,000 | 9 | Each | \$45,000.00 | \$405,000 | 13 | Each | \$45,000.00 | \$585,000 | 35 | Each | \$45,000.00 | \$1,575,000 |
| Lift Station with Centrifugal Pump (20-40 GPM) | 0 | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (40-60 GPM) | 0 | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (60-80 GPM) | 0 | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (80-100 GPM) | 0 | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (100-120 GPM) | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (120-140 GPM) | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 101 | Each | \$155,000.00 | \$0 L |
| Lift Station with Centrifugal Pump (140-160 GPM) | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 1 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (160-180 GPM) | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (180-200 GPM) | 0 (| Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | | 0 | Each | \$155,000.00 | |
| 2" Force Main | 32000 | L.F. | \$7.25 | \$232,000 | 15100 | L.F. | \$7.25 | \$109,475 | 26500 | L.F. | \$7,25 | \$192,125 | 73600 | L.F. | \$7.25 | \$533,600 |
| Service Connections | 87 9 (| Each | \$500.00 | \$439,500 | 580 | Each | \$500.00 | \$290,000 | 1662 | Each | \$500.00 | \$831,000 | 3121 | Each | \$500.00 | \$1,560,500 |
| Pavement Repair | 31278 | \$.Y. | \$30.00 | \$938,333 | 22244 | S.Y. | \$30.00 | \$667,307 | 52322 | \$.Y. | \$30.00 | \$1,569,667 | 105844 | S.Y. | \$30.00 | \$3,175,307 |
| Trench Safety | 140750 | L.F. | \$1.50 | \$211,125 | 100096 | L.F. | \$1.50 | \$150,144 | 235450 | L,F. | \$1.50 | \$353,175 | 476296 | L.F. | \$1.50 | \$714,444 |
| | | | i | *** *** *** | | | | £7 007 500 | | | 1 | *** *** *** | | | | |
| Subtotal Construction | | | | \$10,998,371 | | |] | \$7,297,522 | | | | \$19,068,629 | | | | \$37,364,522 |
| Contingencies | 15% | |] | \$1,649,756 | 15% | |] | \$1,094,628 | 15% | | 1 | \$2,860,294 | 15% | | } | \$5,604,678 |
| Project Administration | 1% | | l i | \$109,984 | 1% | | l : | \$72,975 | 1% | | | \$190,686 | 1% | | | \$373,645 |
| Engineering Design Phase | 12% | | 1 | \$1,319,805 | 12% | | | \$875,703 | 12% | | | \$2,288,236 | 12% | | | \$4,483,743 |
| Construction Inspection | 1% | | 1 | \$109,984 | 1% | | | \$72,975 | 1% | | 1 | \$190,686 | 1% | | | \$373,645 |
| Geotechnical | 1% [| | [| \$109,984 | 1% | | [| \$72,975 | 1% | | [| \$190,686 | 1% | | ļ | \$373,645 |
| Design Surveying | 2% | | | \$219,967 | 2% | | 1 | \$145,950 | 2% | | | \$381,373 | 2% | | | \$747,290 |
| Construction Surveying | 1% | | | \$109,984 | 1% | | | \$72,975 | 1% | | | \$190,686 | 1% | | | \$373,645 |
| Material Testing | 1% | | l | \$109,984 | 1% | |] | \$72,975 | 1% | | l | \$190,686 | 1% 1 | | | \$373,645 |
| Engineering Construction Phase | 2% | | | \$219,967 | 2% | | j | \$145,950 | 2% | | | \$381,373 | 2% | | | \$747,290 |
| Wastewater Discharge Permits | 2% | | | \$219,967 | 2% | | | \$145,950 | 2% | | : | \$381,373 | 2% | | | \$747,290 |
| Easements | 5% | | 1 | \$549,919 | 5% | |] | \$364,876 | 5% | |] | \$953,431 | 5% | |] | \$1,868,226 |
| Legal | 2% | | | \$219,967 | 2% | |] | \$145,950 | 2% | | 1 | \$381,373 | 2% | | l | \$747,290 |
| Fiscal | 2% | | | \$219,967 | 2% | | 1 | \$145,950 | 2% | | | \$381,373 | 2% | | | \$747,290 |
| Subtotal Non-Construction | | | | \$5,169,234 | | | į | \$3,429,835 | | | | \$8,962,256 | | | | \$17,561,325 |
| TOTAL PROJECT COST | | | | \$16,167,605 | | | | \$10,727,357 | | | | \$28,030,88 5 | <u> </u> | | | \$54,925,847 |

BEECHWOOD / SOUTH SABINE AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND NATURAL TREATMENT

| | | 2010 | PHASE | | | TOTAL | PROJECT | |
|--|----------|-------|---------------|------------------------|----------|-------|--------------|--------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | · |
| Natural Treatment System (.001005 MGD) | 1 | Each | \$75,000.00 | \$75,000 | 1 | Each | \$75,000.00 | \$75,000 |
| Natural Treatment System (.005010 MGD) | 6 | Each | \$150,000.00 | | 6 | Each | \$150,000.00 | \$900,000 |
| Natural Treatment System (.010015 MGD) | 3 | Each | \$225,000.00 | \$675,000 | 3 | Each | \$225,000.00 | \$675,000 |
| Natural Treatment System (.015020 MGD) | 1 | Each | \$300,000.00 | \$300,000 | 1 | Each | \$300,000.00 | \$300,000 |
| Natural Treatment System (.020025 MGD) |] 0] | Each | \$375,000.00 | \$ 0 | 0 | Each | \$375,000.00 | \$0 |
| Natural Treatment System (.025030 MGD) | 0 | Each | \$450,000.00 | \$0 | 0 | Each | \$450,000.00 | \$0 |
| Natural Treatment System (.030040 MGD) | 2 | Each | \$600,000.00 | \$1,200,000 | 2 | Each | \$600,000.00 | \$1,200,000 |
| 2" STEP Line | 140750 | L.F. | \$7.25 | \$1,020,438 | 140750 | L.F. | \$7.25 | \$1,020,438 |
| Electrical Connection and STEP Pump | 879 | Each | \$3,500.00 | \$3,076,500 | 879 | Each | \$3,500.00 | \$3,076,500 |
| Septic Tank Replacement | 293 | Each | \$1,500.00 | \$439,500 | 293 | Each | \$1,500.00 | \$439,500 |
| 8" Effluent Line | 1300 | L.F. | \$20.75 | \$26,975 | 1300 | L.F. | \$20.75 | \$26,975 |
| Cleanout | 879 | Each | \$1,000.00 | \$879,000 | 879 | Each | \$1,000.00 | \$879,000 |
| Lift Station with Centrifugal Pump (1-20 GPM) | 13 | Each | \$45,000.00 | \$585,000 | 13 | Each | \$45,000.00 | \$585,000 |
| Lift Station with Centrifugal Pump (20-40 GPM) | | Each | \$45,000.00 | \$0 | lo | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (40-60 GPM) | ! 1 | Each | \$45,000.00 | \$ 0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (60-80 GPM) | ! | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (80-100 GPM) | | Each | \$72,000.00 | \$0 | ō | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (100-120 GPM) | i i | Each | \$155,000.00 | \$0 | Ō | Each | \$155,000.00 | 1 ' |
| Lift Station with Centrifugal Pump (120-140 GPM) | 1 1 | Each | \$155,000.00 | | ا ة | Each | \$155,000.00 | |
| Lift Station with Centrifugal Pump (140-160 GPM) | 1 | Each | \$155,000.00 | \$0 | ō | Each | \$155,000.00 | |
| Lift Station with Centrifugal Pump (160-180 GPM) | | Each | \$155,000.00 | \$0 | ő | Each | \$155,000.00 | 1 |
| Lift Station with Centrifugal Pump (180-200 GPM) | \ | Each | \$155,000.00 | | Ö | Each | \$155,000.00 | |
| 2" Force Main | 32000 | L.F. | \$7.25 | \$232,000 | 32000 | L.F. | \$7.25 | \$232,000 |
| Service Connections | 879 | Each | \$500.00 | \$439,500 | 879 | Each | \$500.00 | \$439,500 |
| Pavement Repair | 31278 | S.Y. | \$30.00 | \$938,333 | 31278 | S.Y. | \$30.00 | \$938,333 |
| Trench Safety | 140750 | L.F. | \$1.50 | \$211,125 | 140750 | L.F. | \$1.50 | \$211,125 |
| Trendi Salety | 140730 | L.I . | \$1.50 | Ψ211,123 | 140730 | L.I. | \$1.50 | #211,12J |
| Subtotal Construction | | | | \$10,998,371 | | | | \$10,998,371 |
| Contingencies | 15% | | } | \$1,649,756 | 15% | | } | \$1,649,756 |
| Project Administration | 1% | | ` | \$109,984 | 1% | | Ì | \$109,984 |
| Engineering Design Phase | 12% | | | \$1,319,805 | 12% | | | \$1,319,805 |
| Construction Inspection | 1% | | | \$1,319,803 | 1% | | ļ | \$1,319,803 |
| Geotechnical | 1% | | | | 1% | | İ | |
| | 2% | | \
 | \$109,984
\$210.067 | 2% | | \ | \$109,984 |
| Design Surveying Construction Surveying | 1% | | j | \$219,967 | 2%
1% | | ļ | \$219,967 |
| , - | | | 1 | \$109,984 | | | | \$109,984 |
| Material Testing | 1% | | | \$109,984
\$340.067 | 1% | | | \$109,984 |
| Engineering Construction Phase | 2% | | [| \$219,967 | 2% | | Į . | \$219,967 |
| Wastewater Discharge Permits | 2% | | ĺ | \$219,967 | 2% | | | \$219,967 |
| Easements | 5% | | | \$549,919 | 5% | | | \$549,919 |
| Legal | 2% | | | \$219,967 | 2% | | ļ | \$219,967 |
| Fiscal | 2% | | | \$219,967 | 2% | | | \$219,967 |
| Subtotal Non-Construction | | | | \$5,169,234 | | | | \$5,169,234 |
| TOTAL PROJECT COST | _ | | | \$16,167,605 | | | | \$16,167,605 |

TIMBERLANE AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND NATURAL TREATMENT

| | | 2020 i | PHASE | | | TOTAL I | PROJECT | |
|--|----------|--------|--------------|------------------------|----------|---------|--------------|------------------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | |
| Natural Treatment System (.001005 MGD) | 5 | Each | \$75,000.00 | \$375,000 | 5 | Each | \$75,000.00 | \$375,000 |
| Natural Treatment System (.005010 MGD) | 5 | Each | \$150,000.00 | \$750,000 | 5 | Each | \$150,000.00 | \$750,000 |
| Natural Treatment System (.010015 MGD) | | Each | \$225,000.00 | \$0 | 0 | Each | \$225,000.00 | \$ 0 |
| Natural Treatment System (.015020 MGD) | 1 | Each | \$300,000.00 | \$300,000 | 1 | Each | \$300,000.00 | \$300,000 |
| Natural Treatment System (.020025 MGD) |] | Each | \$375,000.00 | | 0 | Each | \$375,000.00 | \$0 |
| Natural Treatment System (.025030 MGD) | | Each | \$450,000.00 | | 0 | Each | \$450,000.00 | \$0 |
| Natural Treatment System (.030040 MGD) | 1 | Each | \$600,000.00 | | 1 | Each | \$600,000.00 | |
| 2" STEP Line | 100096 | L.F. | \$7.25 | \$725,696 | 100096 | L.F. | \$7.25 | \$725,696 |
| Electrical Connection and STEP Pump | 580 | Each | \$3,500.00 | \$2,030,000 | 580 | Each | \$3,500.00 | \$2,030,000 |
| Septic Tank Replacement | 193 | Each | \$1,500.00 | \$290,000 | 193 | Each | \$1,500.00 | \$290,000 |
| 8" Effluent Line | 1200 | L.F. | \$20.75 | \$24,900 | 1200 | L.F. | \$20.75 | \$24,900 |
| Cleanout | 580 | Each | \$1,000.00 | \$580,000 | 580 | Each | \$1,000.00 | \$580,000 |
| Lift Station with Centrifugal Pump (1-20 GPM) | 9 | Each | \$45,000.00 | \$405,000 | 9 | Each | \$45,000.00 | \$405,000 |
| Lift Station with Centrifugal Pump (20-40 GPM) | | Each | \$45,000.00 | \$ 0 | 0 | Each | \$45,000.00 | \$ 0 |
| Lift Station with Centrifugal Pump (40-60 GPM) | | Each | \$45,000.00 | \$ 0 | 0 | Each | \$45,000.00 | \$ 0 |
| Lift Station with Centrifugal Pump (60-80 GPM) | | Each | \$72,000.00 | \$ 0 | 0 | Each | \$72,000.00 | \$ 0 |
| Lift Station with Centrifugal Pump (80-100 GPM) | | Each | \$72,000.00 | \$ 0 | 0 | Each | \$72,000.00 | \$ 0 |
| Lift Station with Centrifugal Pump (100-120 GPM) | | Each | \$155,000.00 | \$ 0 | 0 | Each | \$155,000.00 | \$ 0 |
| Lift Station with Centrifugal Pump (120-140 GPM) | | Each | \$155,000.00 | \$ 0 | 0 | Each | \$155,000.00 | \$ 0 |
| Lift Station with Centrifugal Pump (140-160 GPM) | | Each | \$155,000.00 | \$ 0 | 0 | Each | \$155,000.00 | \$ 0 |
| Lift Station with Centrifugal Pump (160-180 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (180-200 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| 2" Force Main | 15100 | L.F. | \$7.25 | \$109,475 | 15100 | L.F. | \$7.25 | \$109,475 |
| Service Connections | 580 | Each | \$500.00 | \$290,000 | 580 | Each | \$500.00 | \$290,000 |
| Pavement Repair | 22244 | S.Y. | \$30.00 | \$667,307 | 22244 | S.Y. | \$30.00 | \$667,307 |
| Trench Safety | 100096 | L.F. | \$1.50 | \$150,144 | 100096 | L.F. | \$1.50 | \$150,144 |
| | | | ***** | V ,==, | | | | , |
| Subtotal Construction | | | | \$7,297,522 | | | | \$7,297,522 |
| Contingencies | 15% | | | \$1,094,628 | 15% | | | \$1,094,628 |
| Project Administration | 1% | | | \$72,975 | 1% | | | \$72,975 |
| Engineering Design Phase | 12% | | | \$875,703 | 12% | | | \$875,703 |
| Construction Inspection | 1% | | | \$72,975 | 1% | | | \$72,975 |
| Geotechnical | 1% | | | \$72,975 | 1% | | | \$72,975 |
| Design Surveying | 2% | | | \$145,950 | 2% | | | \$145,950 |
| Construction Surveying | 1% | | | \$72,975 | 1% | | 1 | \$72,975 |
| Material Testing | 1% | | | \$72,975 | 1% | | 1 | \$72,975 |
| Engineering Construction Phase | 2% | | | \$145,950 | 2% | | 1 | \$145,950 |
| Wastewater Discharge Permits | 2% | ı | Į į | \$145,950 | 2% | | Į. | \$145,950
\$145,950 |
| Easements | 5% | | | \$364,876 | 5% | | | \$364,876 |
| Legal | 2% | | | \$145,950 | 2% | | | \$145,950 |
| Fiscal | 2% | | | \$145,950
\$145,950 | 2% | | | \$145,950
\$145,950 |
| Subtotal Non-Construction | | | | \$3,429,835 | | | | \$3,429,835 |
| | | | | \$5,425,000 | | | | #5,7E0,000 |
| TOTAL PROJECT COST | | | | \$10 <u>,</u> 727,357 | | | | \$10,727,357 |

EL CAMINO BAY AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLECTION AND NATURAL TREATMENT

| | | 2030 | PHASE | | | TOTAL | PROJECT | |
|--|----------|----------|---------------|--------------|----------|--------------|--------------|--------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | |
| Natural Treatment System (.001005 MGD) | 2 | Each | \$75,000.00 | \$150,000 | 2 | Each | \$75,000.00 | \$150,000 |
| Natural Treatment System (.005010 MGD) | | Each | \$150,000.00 | \$0 | 0 | Each | \$150,000.00 | |
| Natural Treatment System (.010015 MGD) | 2 | Each | \$225,000.00 | \$450,000 | 2 | Each | \$225,000.00 | \$450,000 |
| Natural Treatment System (.015020 MGD) | | Each | \$300,000.00 | \$0 | 0 | Each | \$300,000.00 | \$0 |
| Natural Treatment System (.020025 MGD) | 1 1 | Each | \$375,000.00 | \$375,000 | 1 1 | Each | \$375,000.00 | \$375,000 |
| Natural Treatment System (.025030 MGD) | 2 | Each | \$450,000.00 | \$900,000 | 2 | Each | \$450,000.00 | \$900,000 |
| Natural Treatment System (.030040 MGD) | 1 | Each | \$600,000.00 | \$600,000 | 1 | Each | \$600,000.00 | \$600,000 |
| 2" STEP Line | 93700 | L.F. | \$7.25 | \$679,325 | 93700 | L.F. | \$7.25 | \$679,325 |
| Electrical Connection and STEP Pump | 823 | Each | \$3,500.00 | \$2,880,500 | 823 | Each | \$3,500.00 | \$2,880,500 |
| Septic Tank Replacement | 274 | Each | \$1,500.00 | \$411,500 | 274 | Each | \$1,500.00 | \$411,500 |
| 8" Effluent Line | 800 | L.F. | \$20.75 | \$16,600 | 800 | L.F. | \$20.75 | \$16,600 |
| Cleanout | 823 | Each | \$1,000.00 | \$823,000 | 823 | Each | \$1,000.00 | \$823,000 |
| Lift Station with Centrifugal Pump (1-20 GPM) | 10 | Each | \$45,000.00 | \$450,000 | 10 | Each | \$45,000.00 | \$450,000 |
| Lift Station with Centrifugal Pump (20-40 GPM) | | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (40-60 GPM) | | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (60-80 GPM) | | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (80-100 GPM) | | Each | \$72,000.00 | \$0 | Ô | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (100-120 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | |
| Lift Station with Centrifugal Pump (120-140 GPM) | | Each | \$155,000.00 | \$0 | Ō | Each | \$155,000.00 | |
| Lift Station with Centrifugal Pump (140-160 GPM) | | Each | \$155,000.00 | \$0 | Ö | Each | \$155,000.00 | |
| Lift Station with Centrifugal Pump (160-180 GPM) | | Each | \$155,000.00 | \$0 | ŏ | Each | \$155,000.00 | |
| Lift Station with Centrifugal Pump (180-200 GPM) | , , | Each | \$155,000.00 | \$0 | Ö | Each | \$155,000.00 | |
| 2" Force Main | 20850 | L.F. | \$7.25 | \$151,163 | 20850 | L.F. | \$7.25 | \$151,163 |
| Service Connections | 823 | Each | \$500.00 | \$411,500 | 823 | Each | \$500.00 | \$411,500 |
| Pavement Repair | 20822 | S.Y. | \$30.00 | \$624,667 | 20822 | S.Y. | \$30.00 | \$624,667 |
| Trench Safety | 93700 | L.F. | \$1.50 | \$140,550 | 93700 | L.F. | \$1.50 | \$140,550 |
| Tronch dalety | 00,00 | L | \$1.50 | \$140,000 | ***** | L .,, | 41.00 | 0140,000 |
| Subtotal Construction | | | | \$9,063,804 | | | | \$9,063,804 |
| Contingencies | 15% | | | \$1,359,571 | 15% | | | \$1,359,571 |
| Project Administration | 1% | | | \$90,638 | 1% | | | \$90,638 |
| Engineering Design Phase | 12% | | | \$1,087,657 | 12% | | | \$1,087,657 |
| Construction Inspection | 1% | | | \$90,638 | 1% | | 1 | \$90,638 |
| Geotechnical | 1% | | | \$90,638 | 1% | | | \$90,638 |
| Design Surveying | 2% | | | \$181,276 | 2% | | | \$181,276 |
| Construction Surveying | 1% | | | \$90,638 | 1% | | | \$90,638 |
| Material Testing | 1% | | | \$90,638 | 1% | | | \$90,638 |
| Engineering Construction Phase | 2% | | | \$181,276 | 2% | | 1 | \$181,276 |
| Wastewater Discharge Permits | 2% | | Į į | \$181,276 | 2% | | Į. | \$181,276 |
| Easements | 5% | | | \$453,190 | 5% | | | \$453,190 |
| Legal | 2% | | | \$181,276 | 2% | | | \$181,276 |
| Fiscal | 2%
2% | | | \$181,276 | 2%
2% | | | \$181,276 |
| Subtotal Non-Construction | | | | \$4,259,988 | | | | \$4,259,988 |
| | | | | | | | | |
| TOTAL PROJECT COST | l | | 1 | \$13,323,792 | | l | | \$13,323,792 |

MIDLAKE AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND NATURAL TREATMENT

| | | 2030 | PHASE | | | TOTAL I | PROJECT | |
|--|----------|-------|--------------|-------------|----------|---------|--------------|-------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | | | | | |
| Natural Treatment System (.001005 MGD) | 1 | Each | \$75,000.00 | \$75,000 | 1 | Each | \$75,000.00 | \$75,000 |
| Natural Treatment System (.005010 MGD) | 1 | Each | \$150,000.00 | \$150,000 | 1 | Each | \$150,000.00 | |
| Natural Treatment System (.010015 MGD) | 1 | Each | \$225,000.00 | \$225,000 | 1 | Each | \$225,000.00 | \$225,000 |
| Natural Treatment System (.015020 MGD) | | Each | \$300,000.00 | \$ 0 | 0 | Each | \$300,000.00 | \$0 |
| Natural Treatment System (.020025 MGD) | 1 1 | Each | \$375,000.00 | | 1 1 | Each | \$375,000.00 | |
| Natural Treatment System (.025030 MGD) | 1 | Each | \$450,000.00 | \$450,000 | 1 | Each | \$450,000.00 | |
| Natural Treatment System (.030040 MGD) | | Each | \$600,000.00 | \$0 | 0 | Each | \$600,000.00 | |
| 2" STEP Line | 68650 | L.F. | \$7.25 | \$497,713 | 68650 | L.F. | \$7.25 | \$497,713 |
| Electrical Connection and STEP Pump | 353 | Each | \$3,500.00 | \$1,235,500 | 353 | Each | \$3,500.00 | \$1,235,500 |
| Septic Tank Replacement | 118 | Each | \$1,500.00 | \$176,500 | 118 | Each | \$1,500.00 | \$176,500 |
| 8" Effluent Line | 500 | L.F. | \$20.75 | \$10,375 | 500 | L.F. | \$20.75 | \$10,375 |
| Cleanout | 353 | Each | \$1,000.00 | \$353,000 | 353 | Each | \$1,000.00 | \$353,000 |
| Lift Station with Centrifugal Pump (1-20 GPM) | 1 | Each | \$45,000.00 | \$45,000 | 1 | Each | \$45,000.00 | \$45,000 |
| Lift Station with Centrifugal Pump (20-40 GPM) | | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (40-60 GPM) | | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (60-80 GPM) | | Each | \$72,000.00 | \$ 0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (80-100 GPM) | | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (100-120 GPM) | | Each | \$155,000.00 | \$ 0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (120-140 GPM) | | Each | \$155,000.00 | | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (140-160 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (160-180 GPM) | | Each | \$155,000.00 | | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (180-200 GPM) | \
 | Each | \$155,000.00 | \$ 0 | 0 | Each | \$155,000.00 | \$0 |
| 2" Force Main | 1950 | L.F. | \$7.25 | \$14,138 | 1950 | L.F. | \$7.25 | \$14,138 |
| Service Connections | 353 | Each | \$500.00 | \$176,500 | 353 | Each | \$500.00 | \$176,500 |
| Pavement Repair | 15256 | S.Y. | \$30.00 | \$457,667 | 15256 | S.Y. | \$30.00 | \$457,667 |
| Trench Safety | 68650 | L.F. | \$1.50 | \$102,975 | 68650 | L.F. | \$1.50 | \$102,975 |
| | | | | | | | | |
| Subtotal Construction | | | | \$4,344,367 | | | | \$4,344,367 |
| Contingencies | 15% | | 1 | \$651,655 | 15% | | | \$651,655 |
| Project Administration | 1% | | l | \$43,444 | 1% | | | \$43,444 |
| Engineering Design Phase | 12% | | | \$521,324 | 12% | | | \$521,324 |
| Construction Inspection | 1% | | | \$43,444 | 1% | | | \$43,444 |
| Geotechnical | 1% | | | \$43,444 | 1% | | | \$43,444 |
| Design Surveying | 2% | | | \$86,887 | 2% | | | \$86,887 |
| Construction Surveying | 1% | | | \$43,444 | 1% | | | \$43,444 |
| Material Testing | 1% | | | \$43,444 | 1% | | | \$43,444 |
| Engineering Construction Phase | 2% | | | \$86,887 | 2% | | | \$86,887 |
| Wastewater Discharge Permits | 2% | | \ | \$86,887 | 2% | | | \$86,887 |
| Easements | 5% | | | \$217,218 | 5% | | | \$217,218 |
| Legal | 2% | | 1 | \$86,887 | 2% | | | \$86,887 |
| Fiscal | 2% | | | \$86,887 | 2% | | | \$86,887 |
| Subtotal Non-Construction | | | | \$2,041,852 | | | | \$2,041,852 |
| TOTAL PROJECT COST | | | | \$6,386,219 | | | | \$6,386,219 |

NORTH AREA WASTEWATER SYSTEM IMPROVEMENTS STEP COLLECTION AND NATURAL TREATMENT

| | | 2030 | PHASE | | | TOTAL I | PROJECT | |
|--|----------|-------|--------------|-------------|----------|---------|--------------|-------------|
| Description | Quantity | Units | Unit Price | Total | Quantity | Units | Unit Price | Total |
| | | | | [| | | 1 | |
| Natural Treatment System (.001005 MGD) | 2 | Each | \$75,000.00 | \$150,000 | 2 | Each | \$75,000.00 | \$150,000 |
| Natural Treatment System (.005010 MGD) | 2 | Each | \$150,000.00 | \$300,000 | 2 | Each | \$150,000.00 | |
| Natural Treatment System (.010015 MGD) | 4 | Each | \$225,000.00 | \$900,000 | 4 | Each | \$225,000.00 | |
| Natural Treatment System (.015020 MGD) | | Each | \$300,000.00 | | 0 | Each | \$300,000.00 | \$0 |
| Natural Treatment System (.020025 MGD) | 1 1 | Each | \$375,000.00 | \$375,000 | 1 1 | Each | \$375,000.00 | \$375,000 |
| Natural Treatment System (.025030 MGD) | | Each | \$450,000.00 | | 0 | Each | \$450,000.00 | \$0 |
| Natural Treatment System (.030040 MGD) |] | Each | \$600,000.00 | \$0 | 0 | Each | \$600,000.00 | \$0 |
| 2" STEP Line | 73100 | L.F. | \$7.25 | \$529,975 | 73100 | L.F. | \$7.25 | \$529,975 |
| Electrical Connection and STEP Pump | 486 | Each | \$3,500.00 | \$1,701,000 | 486 | Each | \$3,500.00 | \$1,701,000 |
| Septic Tank Replacement | 162 | Each | \$1,500.00 | \$243,000 | 162 | Each | \$1,500.00 | \$243,000 |
| 8" Effluent Line | 900 | L.F. | \$20.75 | \$18,675 | 900 | L.F. | \$20.75 | \$18,675 |
| Cleanout | 486 | Each | \$1,000.00 | \$486,000 | 486 | Each | \$1,000.00 | \$486,000 |
| Lift Station with Centrifugal Pump (1-20 GPM) | 2 | Each | \$45,000.00 | \$90,000 | 2 | Each | \$45,000.00 | \$90,000 |
| Lift Station with Centrifugal Pump (20-40 GPM) | | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (40-60 GPM) | | Each | \$45,000.00 | \$0 | 0 | Each | \$45,000.00 | \$0 |
| Lift Station with Centrifugal Pump (60-80 GPM) |] | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (80-100 GPM) | i i | Each | \$72,000.00 | \$0 | 0 | Each | \$72,000.00 | \$0 |
| Lift Station with Centrifugal Pump (100-120 GPM) | 1 1 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (120-140 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (140-160 GPM) | | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (160-180 GPM) | 1 1 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| Lift Station with Centrifugal Pump (180-200 GPM) | 1 1 | Each | \$155,000.00 | \$0 | 0 | Each | \$155,000.00 | \$0 |
| 2" Force Main | 3700 | L.F. | \$7.25 | \$26,825 | 3700 | L.F. | \$7.25 | \$26,825 |
| Service Connections | 486 | Each | \$500.00 | \$243,000 | 486 | Each | \$500.00 | \$243,000 |
| Pavement Repair | 16244 | S.Y. | \$30.00 | \$487,333 | 16244 | S.Y. | \$30.00 | \$487,333 |
| Trench Safety | 73100 | L.F. | \$1.50 | \$109,650 | 73100 | L.F. | \$1.50 | \$109,650 |
| 1 | | | · | ' ' | | | | · |
| Subtotal Construction | | | | \$5,660,458 | | | | \$5,660,458 |
| . | 1 | | | | 450 | | ł | **** |
| Contingencies | 15% | | | \$849,069 | 15% | | ļ | \$849,069 |
| Project Administration | 1% | | ļ | \$56,605 | 1% | | | \$56,605 |
| Engineering Design Phase | 12% | | Ì | \$679,255 | 12% | | | \$679,255 |
| Construction Inspection | 1% | | | \$56,605 | 1% | | 1 | \$56,605 |
| Geotechnical | 1% | | | \$56,605 | 1% | | Į | \$56,605 |
| Design Surveying | 2% | | 1 | \$113,209 | 2% | | | \$113,209 |
| Construction Surveying | 1% | | | \$56,605 | 1% | | ł | \$56,605 |
| Material Testing | 1% | | | \$56,605 | 1% | | 1 | \$56,605 |
| Engineering Construction Phase | 2% | | | \$113,209 | 2% | | | \$113,209 |
| Wastewater Discharge Permits | 2% | | | \$113,209 | 2% | | 1 | \$113,209 |
| Easements | 5% | | i | \$283,023 | 5% | | 1 | \$283,023 |
| Legal | 2% | | | \$113,209 | 2% | | 1 | \$113,209 |
| Fiscal | 2% | | | \$113,209 | 2% | | | \$113,209 |
| Subtotal Non-Construction | | | | \$2,660,415 | | | } | \$2,660,415 |
| TOTAL PROJECT COST | i I | | | \$8,320,874 | | | | \$8,320,874 |

SABINE COUNTY WATER SYSTEM IMPROVEMENTS FINANCIAL MODEL

| | | | Total C | Construction Costs ar | vi Fees | | | | Debt Service | | (| perational Cost | ls | interest on | Hemphill | Hemphill | Pineland | Pineland | G-M WSC | G-M WSC | Beechwood WSC | Beechwood WSC |
|--------------|-------------|------------------|-------------|-----------------------|------------------------|-------------------|----------------------------|--------------|----------------------------|------------------------|----------------------------|------------------------|------------------------|------------------------|-------------|--------------------|-------------|-----------|----------------|--------------------|---------------|------------------|
| . | Hemphill | Pineland | G-M WSC | Beechwood WSC | | El Camino Bay WSC | Total | Total | Bond Issue 1 | Bond Issue 2 | O&M | Rehab and | Admin. | Investment | Projected | Projected | Projected | Projected | Projected | Projected | Projected | Projected |
| Year | петрии | Fillelaliu | U-IM 113C | Deecimood 1100 | Soum Gabrie Free | | | Bond Sale | | | | Replacement | | | Connections | Water Use | Connections | Water Use | Connections | Water Use | Connections | Water Use |
| 1.00 | | | | | | | | | | - | } | | | | | | | 407.000 | 0.744 | E00.000 | 470 | 72.000 |
| 2001 | l | İ | ł | | } | | | | | i ' | \$1,283,000 | i | \$256,600 | | 659 | 129.000 | | | 2,744
2,761 | 592,000
595,760 | 470 | 72,000 |
| 2002 | i | | · | 1 | 1 | | | İ | [| (| \$1,291,135 | | \$258,227 | \$0,
\$0 | 664
668 | 129,895
130,790 | 380
382 | | 2,779 | 599,520 | 476 | 72,916 |
| 2003 | \$1,470,761 | | \$1,903,205 | \$1,301,874 |) | | \$4,675.840 | \$22,028,377 | \$1,130,580 | J | \$1,299,270 | | \$259,854
\$261,481 | \$860.082 | 608 | 130,790 | 385 | | 2,775 | 603,280 | 479 | 73,374 |
| | \$1,470,761 | \$494,445 | \$1,903,205 | \$1,301,874 | \$696,854 | \$221,629 | | | \$1,130,580
\$1,130,580 | 1 | \$1,307,405
\$1,315,540 | | \$263,108 | \$563,058 | 677 | 132,580 | 388 | , , | 2.814 | 607,040 | 482 | 73.832 |
| 2005 | | \$494,445 | \$1,903,205 | l | \$696,854 | \$221.629 | \$3,316,133
\$2,600,059 | | \$1,130,580 |) | \$1,323,675 | | \$264,735 | \$393,088 | 682 | 133,475 | 390 | | 2,831 | 610,800 | 485 | 74.290 |
| 2006 | | | \$1,903,205 | | \$696,854
\$696,854 | | \$2,600,059 | | \$1,130,580 | 1 | \$1,331,810 | | \$266,382 | \$261,056 | 687 | 134.370 | 393 | 132,334 | 2,849 | 614,560 | 488 | 74,748 |
| 2007
2008 | - 1 | | \$1,903,205 | i | \$696,854 | | \$696,854 | | \$1,130,580 | i I | \$1,339,945 | | \$267,989 | \$122,497 | 691 | 135.265 | 395 | 133,223 | 2,866 | 618,320 | 491 | 75,206 |
| | , | | | ļ |] | | \$0. | | \$1,130,580 |] | \$1,348,080 | | \$269,616 | \$74.617 | 696 | 136,160 | 398 | 134,112 | 2,883 | 622,080 | 494 | 75,664 |
| 2009
2010 | | | | | Ì | | \$0 | | \$1,130,580 | İ | \$1,356,215 | | \$271,243 | \$60,238 | 700 | 137,055 | 401 | | 2,901 | 625,840 | 497 | 76,122 |
| 2011 | , | | | | ļ | | \$0 | | \$1,130,580 |] | \$1,364,350 | | \$272,870 | \$45,362 | 705 | 137,950 | 403 | , , | 2,918 | 629,600 | 500 | 76,580 |
| 2012 | | | | | | | \$0 | | \$1,130,580 | | \$1,372,485 | | \$274,497 | \$40,033 | 710 | 138,845 | 406 | | 2,936 | 633,360 | 503 | 77.038 |
| 2013 | - 1 | | | | | | \$0 | | \$1,130.580 | 1 | \$1,380,520 | | \$276,124 | \$ 34,731 | 714 | 139,740 | 409 | | 2,953 | 637,120 | 506
509 | 77,496
77,954 |
| 2014 | 1 | ! | | ! | | | \$0 | | \$1,130.580 | 1 | \$1,388,755 | | \$277,751 | \$29,459 | 719 | 140,635 | 411 | | 2,970
2,988 | 644,640 | 509 | |
| 2015 | (| ! | | | ĺ | | \$0 | | \$1,130,580 | [! | \$1,396,890 | 1 | \$279,378 | \$24,216 | 724
728 | 141,530
142,425 | 414
417 | | 3,005 | 648,400 | 515 | 78,870 |
| 2016 | | | | | Ì | | \$0 | | \$1,130,580 | | \$1,405,025
\$1,413,160 | | \$281,005
\$282,632 | \$22.442
\$20.897 | 728 | 143,320 | 419 | 1 1 | 3,023 | 652,160 | 518 | 79.328 |
| 2017 | ſ | | | | | | \$0 | | \$1,130,580
\$1,130,580 | | \$1,413,160 | | \$284,259 | \$20.897
\$19.594 | 737 | 144,215 | 422 | | 3.040 | 655,920 | 521 | 79.786 |
| 201A | 1 | | | | 1 | | \$0
\$0 | | \$1,130,580
\$1,130,580 | } | \$1,429,430 | | \$285,886 | \$18,544 | 742 | 145,110 | 425 | | 3,058 | 659,680 | 524 | 80,244 |
| 2019 | | | | | | | \$0 | | \$1,130,580 | | \$1,437,565 | | \$207,513 | \$17.761 | 747 | 146,005 | 427 | 143,891 | 3,075 | 663,440 | 527 | 80.702 |
| 2020 | 1 | | | | i | | \$0 | | \$1,130,580 | (| \$1,445,700 | ` | \$289,140 | \$27.868 | 751 | 146,900 | 430 | 144,780 | 3.092 | 667,200 | 530 | 81,160 |
| 2021 | i | | | | | | \$0 | | \$1,130,580 | | \$1,453,835 | | \$290,767 | \$38.873 | 756 | 147,795 | 432 | 1 1 | 3,110 | 670,960 | 533 | 81,618 |
| 2023 | - 1 | | i | İ | | | \$ 0 | | \$1,130,580 | · | \$1.461,970 | \$399,554 | \$292,394 | \$50,823 | 760 | 148,690 | 435 | | 3,127 | 674,720 | 536 | 82,076 |
| 2024 |) | | , | | | | \$0 | | \$1,130,580 |) [| \$1,470,105 | \$399,554 | \$294.021 | \$43,289 | 765 | 149,585 | 438 | , , | 3,145 | 678,480 | 539 | 82,534 |
| 2025 | \$248.858 | \$53,139 | \$510,356 | \$107,944 | \$264.386 | \$2,506 | \$1,187,189 | \$6,331.675 | \$1,130,580 | \$ 324,966 | \$1,47B,240 | \$399,554 | \$295,648 | \$35,749 | 770 | 150,480 | 440 | | 3,162 | 682,240 | 542
545 | 82.992
83.450 |
| 2026 | \$248.858 | \$ 53,139 | \$510,356 | \$107,944 | \$264.386 | \$2,506 | \$1,187,189 | | \$1,130,580 | \$324,966 | \$1,486,375 | \$399,554 | \$297,275 | \$286.114 | 774 | 151,375 | 443
446 | | 3.180
3.197 | 686,000
689,760 | 547 | 83.908 |
| 2027 | \$248,858 | \$53,139 | \$510,356 | \$107.944 | \$264,386 | \$2,506 | \$1,187,189 | | \$1,130.580 | \$324,966 | \$1,494,510 | \$399,554 | \$298,902
\$300,529 | \$225.251
\$161,710 | 779
783 | 152,270
153,165 | 448 | | 3,214 | 693,520 | 550 | 84.365 |
| 2028 | \$748,858 | \$53,139 | \$510,356 | \$107,944 | \$264,386 | | \$1,187,189 | | \$1,130.580 | \$324,966
\$324,966 | \$1,502,645
\$1,510,780 | \$399.554
\$399.554 | \$300,529
\$302,156 | \$95,353 | 788 | 154,060 | 451 | | 3.232 | 697,280 | 553 | 84,824 |
| 2029 | \$248,858 | \$53,139 | \$510,356 | \$107,944 | \$264,386 | \$2.506 | \$1,187,189
\$ 0 | | \$1,130.580
\$1,130,580 | \$324,968 | \$1,518,915 | \$399,554 | \$303.783 | \$26,036 | 793 | 154.955 | 454 | | 3,249 | 701,040 | 556 | 85.282 |
| 2030 | 1 | | | | | | \$0 | | \$1,130,580 | \$324,966 | \$1,527.050 | \$399,554 | \$305.410 | \$25,660 | 797 | 155,850 | 456 | 153,670 | 3,267 | 704.800 | 559 | 85,740 |
| 2031 | 1 | 1 | | | l | | \$0 | | \$1,130,580 | \$324,965 | \$1,535,185 | \$399,554 | \$307,037 | \$25,766 | 802 | 156,745 | 459 | 154,559 | 3,284 | 708,560 | 562 | 86,198 |
| 2032 | | | | | | | \$0 | | \$1,130.580 | \$324,966 | \$1,543,320 | \$399,554 | \$308,664 | \$26,377 | 807 | 157,640 | 461 | 155,448 | 3.301 | 712,320 | 565 | 86,656 |
| 2033 | 1 | ! ! | | 1 | | | \$0 | | \$0 | \$324,966 | \$1,551,455 | \$399,554 | \$310,291 | \$27,521 | 811 | 158,535 | 464 | | 3,319 | 716,080 | 568 | 87,114 |
| 2035 | į | | | | ' | | \$0 | | \$0 | \$324,966 | \$1,559,590 | \$399,554 | \$311,918 | \$87,166 | 816 | 159,430 | 467 | | 3,336 | 719,840 | 571 | 87,572 |
| 2036 | [| | | | j | | \$0 | | \$0 | \$324,966 | \$1,567,725 | \$399,554 | \$313.545 | \$150,368 | 820 | 160,325 | 469 | 158,115 | 3,354 | 723,600 | 574
577 | 88,030
88,488 |
| 2037 | | ١, | | | l i | | \$0 | | \$0 | \$324,966 | \$1,575,860 | \$399,554 | \$315,172 | \$217,310 | 825 | 161,220 | 472
475 | , , | 3,371 | 727.360
731.120 | 580 | 88,488
88,946 |
| 2038 | | İ ' | | | | | \$0 | | \$0 | \$324,966 | \$1,583,995 | \$399,554 | \$316,799 | \$288,184 | 830 | 162,115 | 475
477 | | 3,389
3,406 | 731,120 | 583 | 89,404 |
| 2039 | } | | | | | | \$0 | | \$0 | \$324,966 | \$1,592,130 | \$399,554 | \$318,426
\$320,053 | \$363,190
\$442,541 | 834
839 | 163,010
163,905 | 480 | | 3,405 | 738,640 | 586 | 89.862 |
| 2040 | į | | | | | | \$0 | | \$0 | \$324,966
\$324,966 | \$1,600,265
\$1,608,400 | \$399,554
\$399,554 | \$320.053
\$321,680 | \$442,541
\$526,460 | 843 | 164,800 | 483 | | 3,423 | 742,400 | 589 | 90,320 |
| 2041 | - 1 | | | ĺ | | | \$0
\$0 | | \$0
\$0 | \$324,966
\$324,966 | \$1,616.535 | \$399,554
\$399,554 | \$323,307 | \$615,180 | 848 | 165,695 | 485 | 163,449 | 3,458 | 746,160 | 592 | 90,778 |
| 2042 | ļ | | | } | ! | ļ | \$0
\$0 | | \$0 | \$324,966 | \$1,624,670 | \$399,554 | \$324,934 | \$708,948 | 853 | 166,590 | 488 | | 3.476 | 749,920 | 595 | 91,236 |
| 2043 | | | | 1 |] | · | \$0 | | \$0 | \$324,966 | \$1,632,805 | \$399,554 | \$326,561 | \$808,022 | 857 | 167,485 | 491 | 1 6 | 3,493 | 753,680 | 598 | 91,694 |
| 2044 | | | 1 | ! | } | | \$0 | | \$0 | \$324,966 | \$1,640,940 | \$518,273 | \$328,188 | \$912,674 | 862 | 168,380 | 493 | | 3,510 | 757,440 | 601 | 92,152 |
| 2045
2046 | | | l | | | | \$0 | | \$0 | \$324,966 | \$1,649,075 | \$518.273 | \$329.815 | \$1,017,105 | 866 | 169,275 | 496 | | 3.528 | 761,200 | 604 | 92,610 |
| 2046 | | } | { | | 1 | } | \$o | | \$0 | \$324,966 | \$1,657,210 | \$518,273 | \$331,442 | \$1,127,390 | 871 | 170,170 | 498 | | 3,545 | 764,960 | 607 | 93,068 |
| 2048 | | |] | ! |] | | \$0 | | \$0 | \$324,966 | \$1.665,345 | \$518,273 | \$333,069 | \$1,243,827 | 876 | 171,065 | 501 | , | 3.563 | 768,720 | 610 | 93,526 |
| 2049 | | | ļ | (| | | \$0 | | \$0 | \$324,966 | \$1,673,480 | \$518,273 | \$334,696 | \$1,366,732 | 880 | 171,960 | 504 | | 3,580
3,598 | 772,480
776,240 | 613
616 | 93,984
94,442 |
| 2050 | | l | l | i | | L | 50 | l | \$0 | \$324,968 | \$1,681,615 | \$518,273 | \$336,323 | \$1,496,437 | 885 | 172,855 | 506 | 170,561 | 3,598 | 770,240 | 616 | 54,442 |

1

| | | | | | t | | | | | | | | a Managha Montae Dill | | | Projected | | Account Balance | lance | |
|------------------|------------------|---|-------------------|-----------|-----------|-------------------|----------|---------------|---------------|--------------------|-------------|----------|--------------------------------------|----------------------------------|-------------------|--|----------------------------|-----------------------------|--------------|--------------|
| South Sabine WSC | South Sabine WSC | El Camino Bay WSC | El Camino Bay WSC | | | Contract | Surface | Sabine County | ate | The of Homobile | Ciby of Div | G.M.W.S. | Projected Average Monthly Water Bill | South Sabine WSC | FI Camino Bay WSC | Weighted Average | Revenue | Expenses | No. | Cash Balance |
| Projected | Projected | Projected | Projected | Projected | Projected | Water | Cost | Monthly Rate | 6.000 Galtons | ony or menigram | | | | | | Water Bill | | | | |
| Connections | ASIG OSE | 200000000000000000000000000000000000000 | | | | | | | | | | > | | | 00 4 4 4 | The state of the s | | | 5 | Ş |
| 077 | 74,000 | 112 | 18,000 | 5,132 | 1.01 | \$50.00 | _ | \$34.00 | | \$33.81 | | 2 3 | 2 | 00.45 | 3 2 2 | 18 75 | | | 3 5 | 3 |
| 775 | 74,470 | 112 | 18,000 | 5,165 | 1.02 | \$50.00 | \$51,858 | \$34.00 | 21.50 | \$33.81
\$13.81 | 40.16 | 24.7 | | | 34.8 | \$34.81 | \$24,199,826 | \$7,417,731 | \$16,782,095 | \$16,782,095 |
| 780 | 74,940 | | 18,000 | 5.197 | 2 5 | 3 5 | | | | 533.81 | | 25 | | | \$34.00 | \$34.81 | \$3,045,142 | \$6,840,749 | \$5,795,607 | \$10,986,489 |
| 785 | 75,410 | 112 | 18,000 | 5,230 | 20. | 200 | | | | \$33.81 | | Ě | \$34.00 | | \$34.00 | 534.81 | \$2,761,728 | \$6,078,204 | \$3,316,476 | \$7,670,013 |
| 06/ | 73,880 | | 000'91 | 5 295 | - 1 | 250 00 | | \$37.00 | | \$36.81 | \$43.15 | \$37.71 | -
1
5 | : | 23.00 | \$37.81 | \$2,795,979 | \$5,372,220 | \$2,576,241 | \$5,093,772 |
| 794 | 76,350 | | 000'81 | 5,327 | 90 | 250 00 | | \$37 00 | 05 + \$ | 536 81 | | | | | \$37.00 | \$37.81 | \$2,678,730 | \$5,382,311 | \$2,703,581 | \$2,390,191 |
| 808 | 77 290 | | 18,000 | 5.360 | 1.06 | \$50.00 | | \$37.00 | \$150 | \$36.81 | \$43.16 | | | | \$37.00 | \$37.81 | \$2,554,954 | \$3,489.196 | -\$934.242 | \$1,455,949 |
| *00 a | 77.760 | | 18,000 | 5,392 | 1.06 | \$50.00 | | \$37.00 | 8.18 | \$36.80 | | | | | \$37.00 | \$37.81 | \$2.521,856 | \$2.802.432 | \$280.576 | \$1,175,373 |
| 81.8 | 78 230 | | 18.000 | 5,425 | 1.07 | \$50.00 | _ | \$37.00 | \$1.50 | \$36.80 | | | | | | \$37.81 | \$2,522,259 | \$2,812,522 | \$290,263 | \$885.110 |
| , ¢ | 78.700 | | 18,000 | 5,457 | 1 08 | \$50.00 | \$54,813 | 00.00 | 25
25 | \$39.80 | \$46.16 | | | | | \$40.81 | \$2,718,632 | \$2,822,613 | \$103,980 | \$781,130 |
| h 40 | 74 170 | | 18.000 | 5,490 | 1 08 | \$50 00 | \$55,141 | \$40 00 | \$150 | \$39 80 | \$46.16 | | | | \$40.00 | \$40 81 | \$2,729,257 | \$2,832,703 | -\$103,445 | 5677.685 |
| 928 | 79.640 | | 18,000 | 5.522 | 1 09 | \$50.00 | \$55,469 | \$40.00 | \$1.50 | \$39.80 | | <u> </u> | | | \$40.00 | \$40.81 | \$2,739,910 | \$2,842,793 | -\$102,883 | 15/4,801 |
| 834 | 80.110 | | 18.000 | 5,555 | 1 10 | \$50 00 | \$55.797 | \$40.00 | 51.50 | \$39.80 | | ٠. | | | \$40.00 | \$40.81 | \$2,750,591 | \$2,852,883 | -\$102,292 | \$4/2,509 |
| 838 | 80.580 | | 18.000 | 5,588 | 1 10 | \$50 00 | \$56,126 | \$41.00 | \$1.50 | \$40.80 | | | | | | <u> </u> | \$2,628,353 | \$2,862,974 | 54,620 | 988,7546 |
| | 81.050 | | 18,000 | 5,620 | Ē | \$50 00 | \$56,454 | \$41.00 | S 130 | \$40.80 | | | | | | 18.12 | \$2,842,924 | \$2,873.064 | -530.140 | 9407,749 |
| 848 | 81,520 | | 18.000 | 5,653 | 1 12 | \$50 00 | \$56,782 | \$41 00 | \$1.50 | \$40.80 | | - | | | | 19.14 | \$2,050,123 | \$2,883.134 | 20.490 | 6261838 |
| 868 | 61,990 | | 18,000 | 5,685 | 1.12 | \$50.00 | \$57,110 | \$41.00 | \$1.50 | \$40 80 | | | | | | 18.18. | \$2,872,785 | \$2,893,244 | -320,400 | 236 565 |
| 858 | | 112 | 18,000 | 5,718 | 1.13 | \$50.00 | | \$41.00 | 31.50 | \$40.80 | | | | | : | 1 77 | \$2,000,009 | \$2.500.000
\$2.5019.495 | 512,515 | 6543 769 |
| 863 | | 112 | 18,000 | 5,750 | 1.13 | \$50 00 | | 8.43 | 31.50 | \$43.80 | - | | | | 9 9 | | 43 120 052 | \$2,915,425
62,033,646 | 827 750 | 758 507 |
| 868 | 83,400 | 112 | 18,000 | 5,783 | 1.14 | \$50 00 | | \$44 00 | £ 8 | \$43.80 | | | | | 20.44.80 | 44.81
14.81 | 43, 138,233
C3 466 774 | 610,624,24 | £233 169 | 5991 676 |
| 873 | 83.870 | 112 | 16,000 | 5,815 | 1.15 | \$20.00 | | \$44 00 | 8 | \$43.80 | | | 244.00 | 344.00 | | 244.0 | 43,196,774 | \$2,355,000
\$3,343,250 | £147.010 | \$844 KGE |
| 878 | 84,340 | | 18,000 | 5.848 | 1.15 | \$20.00 | \$58,752 | 8 1 | 2 20 | 3.80 | 50.16 | 744 | | | | \$44.81 | \$3.206.222 | \$3.353.340 | -\$147,118 | \$697,548 |
| 862 | 84.810 | 112 | 18,000 | 5,880 | 4. | \$20.00 | | 244 00 | 8 | \$43.80 | | | | ī | : | 24.5 | \$9.7£0.739 | £4 875 585 | 54 885 154 | \$5 582 703 |
| 887 | 85.280 | | 18,000 | 5,913 | 117 | \$50.00 | | 27.00 | 3.50 | 08.97 | 503.16 | 17.73 | 8 2 | \$ 25 E | | 24781 | \$3.698.116 | \$4.885.675 | \$1,187,559 | \$4,395,144 |
| 892 | 85,750 | | 18,000 | 5,946 | 112 | \$20.00 | | 247.00 | 8 8 | \$45.8U | | | | | | 547.81 | \$3.655.941 | \$4,895,765 | \$1,239,824 | \$3,155,320 |
| 897 | 86,220 | | 18,000 | 5,978 | - 18 | \$50.00 | 200,005 | 8 2 | 8 9 | 440.00C | | | | | | \$47.81 | \$3,611,088 | \$4,905,856 | -\$1,294,768 | \$1,860,552 |
| 902 | 069'98 | | 18,000 | 6.011 | 6 | 2000 | \$60,393 | 3 5 | 8 5 | 26.00 | | | | | | \$47.81 | \$3,563,418 | \$4,915,946 | \$1,352,528 | \$508,024 |
| 206 | 87,160 | 112 | 18.000 | 5 C 4 | | 20.05 | | 230.00 | 3 | \$49.80 | | • | | : | \$50.00 | \$50.81 | \$3,731,512 | \$3,738,847 | -\$7,335 | \$500,689 |
| 912 | 87.630 | | 18.000 | 60,09 | 121 | \$50.00 | | \$50.00 | \$1.50 | \$49.80 | | | | \$50.00 | | \$50.81 | \$3,750,995 | \$3,748,937 | \$2,058 | \$502,746 |
| 2 6 | 00,100 | | 18 000 | 6.141 | 121 | \$50.00 | | \$50.00 | \$1.50 | \$49.80 | | | | | | \$50.81 | \$3,770,959 | \$3,759.028 | \$11.932 | \$514,678 |
| 976 | 090.08 | | 18,000 | 6,173 | 1.22 | \$50.00 | \$62.034 | \$50.00 | \$1.50 | \$49.80 | \$56 | • | | | | \$50.81 | \$3,791,430 | \$3,769,118 | \$22,312 | \$536,990 |
| 100 | 89.510 | | 18,000 | 6,206 | 1 23 | \$50.00 | \$62,362 | \$50.00 | \$1.50 | \$49.80 | | | • | , | : | 120.81 | 53,812,432 | \$2,648,628 | 51,163,804 | \$1.700.794 |
| 986 | 89,980 | | 18,000 | 6,238 | 1.23 | \$50.00 | | | \$1.50 | 849.79 | | | \$20.00 | | • | 18.081 | \$3.891.936 | \$2,658,718 | \$1,233,217 | \$2,934,011 |
| 941 | 90,450 | 112 | 18,000 | 6,271 | 1 24 | \$50.00 | \$63.019 | | \$1.50 | \$49.79 | \$56 | | | | 2000 | 1000 | 188,438,6 | \$2,000,BUS | 41,300,180 | ES 623 008 |
| 946 | 90,920 | 112 | 18,000 | 6,303 | 1.24 | \$50.00 | \$63,347 | \$20.00 | \$1.50 | \$49.79 | 95. | | | 250.00 | 80.05 | \$30.01 | \$4.001.730
\$4.152.530 | \$2.070.039
\$7.688 989 | \$1.463.541 | \$7,086,639 |
| 951 | 91,390 | | 18,000 | 6,336 | 1.25 | 850
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850 | \$63,675 | 250.00 | 31.50 | 54 9.79 | | 1000 | 20000 | | | \$50.81 | \$4.247.39B | \$2 699.079 | \$1,548,316 | \$8,634,955 |
| 956 | 91.860 | | 18,000 | 6.369 | 1.26 | 250 00 | \$84,004 | 80.00 | 2.50 | 249.7 | 20.00 | • | | | | \$50.81 | \$4,346,606 | \$2,709,170 | \$1,637,436 | \$10,272,391 |
| 196 | 92,330 | | 18.000 | 6.401 | 9 8 | 00000 | \$64.332 | 00.00 | 02.13 | 2.02 | | | | | | \$50 81 | \$4,450,383 | \$2,719,260 | \$1,731,123 | \$12,003,514 |
| 996 | 92.800 | | 18,000 | 40.0 | .7. | 650.00 | | 2009 | 9 | 249 79 | | | | | \$50.00 | \$50.81 | \$4,558,962 | \$2,729,350 | \$1,829,612 | 113,833,126 |
| 970 | 93.270 | 21. | 18.000 | 0,400 | 1 28 | 200 | | 00005 | 200 | 849.79 | 92 | \$50.71 | | \$50.00 | \$50.00 | \$50.81 | \$4.672,588 | \$2,739,440 | \$1,933,148 | \$15,766,274 |
| 975 | 93.740 | | 18 000 | 6.53 | 8 | | | \$50.00 | \$1.50 | \$49.79 | \$56.16 | | | | \$50.00 | \$50.82 | \$4,791,521 | \$2,749,531 | \$2,041,990 | \$17,808,264 |
| 086 | 04.540 | | 18 900 | 496.9 | 1 30 | | | | \$1.50 | \$49.79 | | \$50.71 | | | \$50.00 | \$50.82 | \$4.916,032 | \$2,878,340 | \$2,037,692 | \$19,845,956 |
| Cos | 95 150 | | 18,000 | 6,596 | 1.30 | \$50.00 | | | \$1.50 | \$49.79 | 928 | | | | \$50.00 | \$50.62 | \$5,040,322 | \$2,888,430 | \$2,151,892 | \$21,997.848 |
| 588 | 95.620 | | 18,000 | 6.629 | 131 | \$50.00 | \$66,630 | \$50.00 | 31.50 | \$49.79 | | | | | 00.03 | \$50.82 | \$5.170,465 | 22.898.520 | \$2,277,945 | 24,269,733 |
| 000 | | | 18,000 | 5.661 | 1 32 | \$50.00 | | | \$1.50 | \$49.79 | | | 95 | | 00 055 | 250.82 | \$5,306,762 | 119,808,24 | \$2,396,131 | 220,007,944 |
| 1,005 | | | 18,000 | 6,694 | 1.32 | | \$67,286 | \$50.00 | \$1.50 | \$49.79 | \$56.16 | 550.71 | \$50.00 | 50.00
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50.00 | 00.05 | \$50.82 | \$5,599,089 | \$2,928,791 | \$2,530,623 | \$31,869,067 |
| 1,010 | 97,030 | | | 6.726 | 1.33 | \$50.00 | | | \$1.50 | X48.72 | | | | 2000 | Tanana" | | | | | |

SABINE COUNTY
ASTEWATER SYSTEM IMPROVEMENTS
FINANCIAL MODEL
(2%, interest and 0% loan torgiveness)

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| Part | | | _ | | | | _ | 2 | 165 | - | 146,321 | \$672 | 525 | \$134,445 | _ | 56 | 2 | | | | ž | Ę | 7,687 | ē ! | | | 2000 | |
| State Stat | 2 | _ | | | | | | : 5 | 3 | - | 16.321 | \$676 | 575 | \$135,315 | | 286 | 3 | | | | 759 | £ | 5.706 | 22 | | - | \$136,821 | 2540,083 |
| Column C | 51 | _ | _ | _ | | _ | _ | | - | - | 101 997 | 2690 | 958 | \$136,185 | _ | 973 | 848 | _ | _ | | 764 | 438 | 2,724 | 272 | _ | _ | \$153.647 | \$694.537 |
| March Marc | 22 | | | | | | | 2 1 | - | | 100.00 | COR | _ | | | 670 | 292 | | | | 769 | 3 | 2,741 | 22 | | _ | \$133,980 | \$560,557 |
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| Fig. 10 Fig. | 34 | | | | | | |
\$ | 2 | | 746,321 | 800 | _ | _ | | 2 3 | 3 | | | | 27.0 | 448 | 2778 | 215 | | _ | \$127,935 | \$301.590 |
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| Marcology Marc | | | | 103.723 54.65 | 0.628 | | 92 | 354,351 | \$ | - | _ | _ | | - | | 1,009 | 999 | 787 | 228 | 525 | 26. | 8 | ê | 2 1 | | _ | | 200000000000000000000000000000000000000 |
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| 1,000, 11,00 | 23 | | _ | i | - Total | _ | _ | s | - S | _ | _ | _ | _ | _ | _ | 1001 | 576 | 784 | 236 | \$32 | 500 | 462 | | 22 | _ | _ | _ | \$1.945.625 |
| Fig. 27 STATE ST | 30 | | | | | _ | _ | | - | _ | | _ | _ | _ | | 1.027 | 579 | 284 | 536 | 535 | 808 | 465 | 1,751 | Ē | | _ | _ | \$1,395,585 |
| Market M | 31 | | | | | | _ | - R | - | - | | | | _ | | 1 033 | 583 | 903 | 3 | 828 | 913 | 468 | 4,780 | \$72 | | | \$300.662 | \$1,696,247 |
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| Fig. 10 Fig. | | | | | | | | | | . 5 | _ | | _ | _ | | 1.108 | 624 | 658 | 979 | 576 | 873 | 503 | 5,121 | \$72 | _ | | 512,623 | \$6,111,845 |
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| | 6.7 | | | | | | | 8 | | | . : | _ | _ | - | | | 545 | 885 | 289 | J. | 68 | 125 | 5.291 | 22 | _ | | \$751,699 | 59.976.417 |



Regional Water and Wastewater Planning

Public Meeting February 27, 2001



Introduction

- Jack Leath County Judge
- · Keith Clark Precinct I
- Lynn Smith Precinct 2
- Doyle Dickerson Precinct 3
- Gene Nethery Precinct 4



Meeting Agenda

- · Regional Planning Background
- Regional Planning Participants
- Regional Planning Tasks
- · Regional Planning Benefits
- Project Schedules and Milestones
- Questions and Answers



Senate Bill 1 Background

- 1997 Senate Bill 1
- 50-year Water Planning.
- 16 Regions
- Region I (East Texas)
- January 2001 Regional Plans
- January 2002 State
 Water Plan



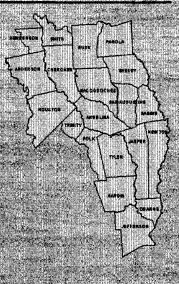


Senate Bill 1 Summary

- February 2001 Regional Summary
- State population double in 50-years.
- Growth in I-35 corridor, Gulf Coast, Rio Grande Valley
- 20 percent of the State's total water supply in Region I
- 25 percent of Region I supply in Toledo Bend and Sabine River

Region I (East Texas) Plan Findings

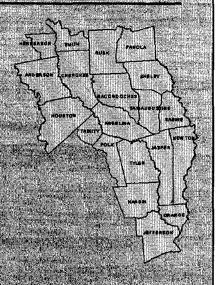
- Hemphill, Pineland, and County-Other only municipal WUG's
- Municipal shortages identified for Hemphill and County-Other
- Not enough groundwater to meet projected municipal demands





Region I (East Texas) Plan Findings (contd)

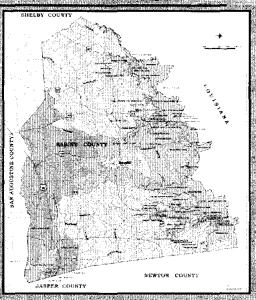
- Majority of County-Other groundwater use from minor aquifers
- No growth recommended for minor aquifer use
- Majority of municipal growth met through increased surface supplies

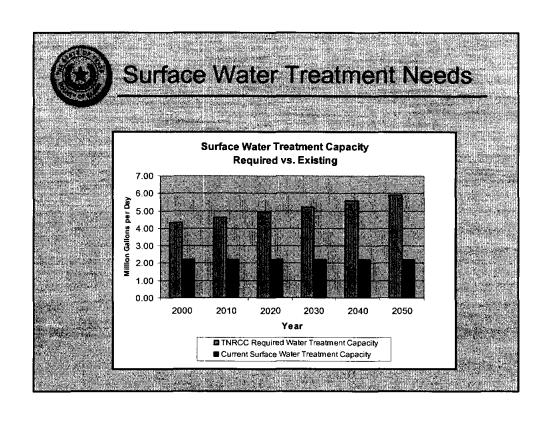


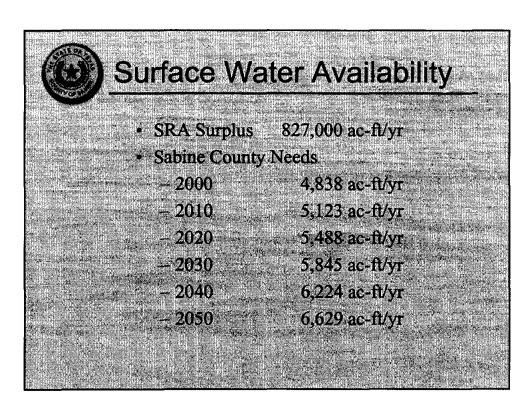


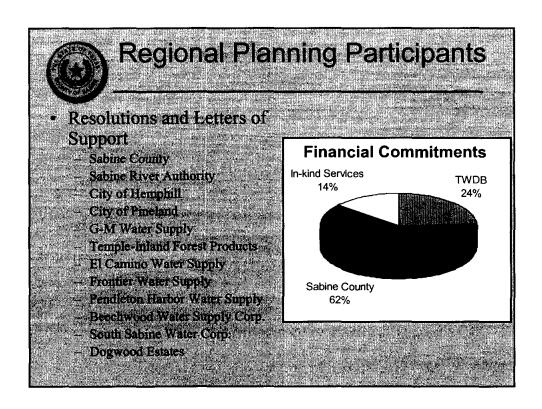
Why are we here today?

- Senate Bill 1 Planning addressed water supply and demand only
- · Existing infrastructure needs
- TNRCC minimum requirements.
- Impact on economic growth
- · Wastewater treatment needs
- Plan for bringing supply to the individual end users



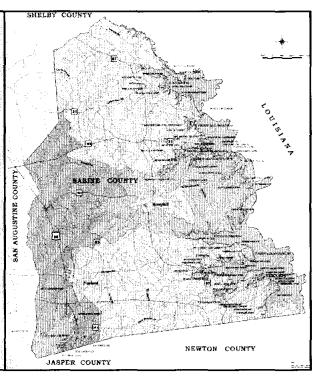






Sabine County Today

- 8 Water Supply Corporations
- 2 Incorporated Municipalities
- Over 60 Subdivisions
- Private Well Owners
- Private Septic Tanks
- No Regionalization of Services
- No Cost Sharing





Regional Planning Goals

- Is a regional system the best way to go?
- Proposed regional facilities
- Proposed sub-regional improvements
- What are the economic impacts?
- Maximize use of existing infrastructure
- Maximize existing water resources



Regional Planning Tasks

- · Population projections
- Water demand projections
- Wastewater projections
- Potential sources of water
- Regional water treatment facilities
- Regional wastewater treatment facilities



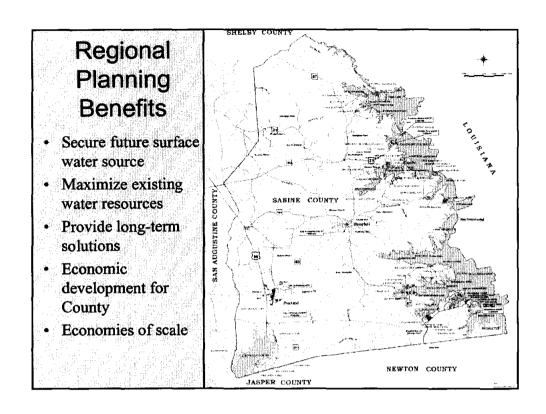
Regional Planning Tasks

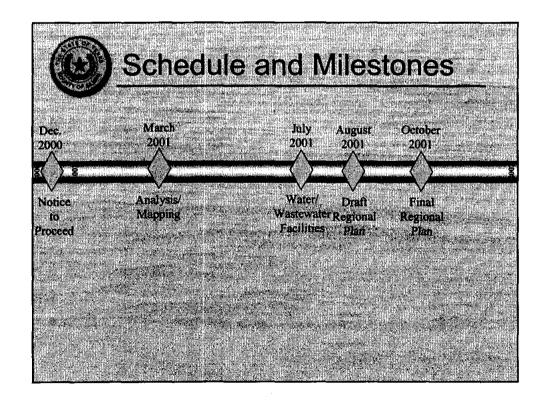
- · Cost development and rate study
- Regional versus sub-regional analysis
- · Environmental Assessment
- EDAP Facility Engineering Plan
- Management Authority Creation
- Public Involvement

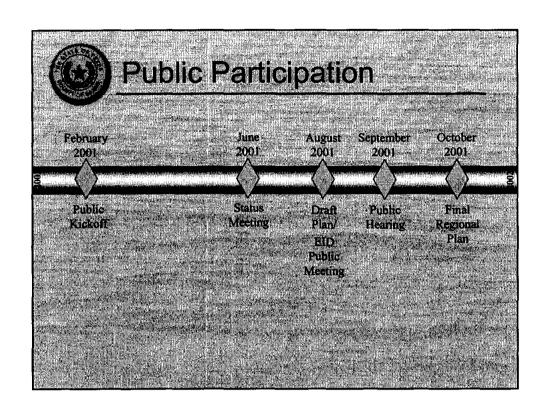


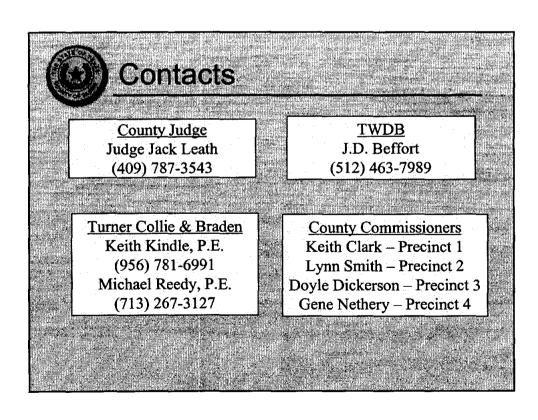
Regional Facilities Funding

- TWDB State Revolving Fund
- TWDB State Participation Program
- EDAP grants and loans
- Rural Development grants and loans
- · Local water and wastewater user fees









Emergency Meeting Public Hearing Sabine County Commissioners' Court Tuesday, February 27, 2001 7:00 P.M.

Members of the Court present:

Jack Leath

County Judge

Keith Clark

Commissioner Pct. #1

Lynn Smith

Commissioner Pct. #2

Doyle Dickerson

Commissioner Pct. #3

Gene Nethery

Commissioner Pct. #4

Louise Clark

Chief Deputy County Clerk

Judge Leath called the meeting to order.

Present at the meeting:

Approximately 35 members of the public

Keith Kindle with the Engineering Firm, Turner, Collie & Braden, hired by Sabine County

George Campbell-Chairman of Region I

Representative from the Sabine River Authority

Agenda item #1-Public Meeting/Regional Water Dist.-Regional Planning Group-District Courtroom

Judge Leath briefly explained to the public present that there are 8 or 9 water corporations in Sabine County with G-M Water Supply being the largest. All are having trouble complying with the Texas Natural Resource Conservation Commission (TNRCC) regulations. At least 2 of these corporations are under order of the TNRCC to do upgrades to their systems that they can not afford to do. What the County is attempting to do is complete a study or plan for a Regional Water Supply District. We envision this to be a non-taxing district with the cost being covered by the water users. The small water corporations are not required to join this but it would be beneficial to them and to the entire County for them to. Water is the second most important issue you will be hearing about from Austin. We are going to have to do something to protect our water rights. What we want to do as a Commissioners' Court is to insure, as best we can, that the citizens of Sabine County have a good and adequate water supply. We got a \$105,000.00 grant from the Texas Water Development Board and the County is basically funding the rest of it. We will get some help from the Sabine River Authority.

Your water cost is going to go up. Some people believe that some day water will cost as much as gasoline. Legislation came up last session and will come up again this session and one day it will pass to pump water to other areas. Tonight we want to give you information on what we are doing.

Commissioner Smith thanked the people for coming tonight. He said the roll that the County is playing in this is to try to help form this new water district to supply the entire County with an adequate water supply. It would not be County owned or governed by the County. It will have it's own governing body that is elected by the people.

Commissioner Clark said the Court wants input from the citizens of Sabine County and is glad for the people that are here tonight.

Commissioner Nethery said that this is a long-term problem for the County as he sees it. We need to address this problem now not only for the people here now but for the people that will come to Sabine County in the future.

Commissioner Dickerson thanked the people for coming. It is good to have this size group here.

Judge Leath turned the meeting over to Keith Kindle to speak to the people and to answer questions.

Mr. Kindle introduced his staff. Mike Reedy is the project manager for the Regional Planning effort. Jennifer Helms is a senior staff member. They showed films and discussed the plans and needs of the area and the funding of the project.

The representative from the Sabine River Authority spoke to the group.

Mr. George Campbell spoke to the group of citizens present about the importance of working with the Corporation.

This is the first kickoff meeting on the Regional Water plan. We will be having more.

The floor was opened for questions from the audience. This was discussion only. No action was taken.

The public meeting adjourned at 8:45 p.m.

COUNTY JUDGE

COMMISSIONER PCT. #1

COMMISSIONER PCT. #2

VOI II PO 195

COMMISSIONER PCT. #3

COMMISSIONER PCT. #4

ATTEST:

Louise Clark CHIEF DEPUTY COUNTY CLERK

2.3.1

Sabine County Regional Planning Public Kick-Off Meeting February 27, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | | Affiliation | Address | Phone |
|----------|---------|------------------------|------------------------------|----------|
| oe B. | ennest | B.M. Worter | RIZI BOY 176-A Vonelons Tx | 586-334Z |
| Alan. | Donne | | Rolling 7St - Hempfell 759cg | 787-3751 |
| 1 7 7 | Lan | | 7.6. Riv 785 - Knophill | 787-3751 |
| Il Con | her | SouthSalaire | 52,935 Hompfule | 787.4885 |
| 11 | Smith | Sab. Ca. | / | 787-3543 |
| BAN | Powier | BEACKUSOD WALL | He sz Box any Hengel M. | 579-2121 |
| hours to | Jarran | Beechwood With | HC52 Box 762A Hushill | 579-3990 |
| Qa Be | cher | Olpine Sul Min | PLI, BOX 1419 Hershall | 6254208 |
| 1 //. | Heuson | 1 / 1 | S BOK 579 Orange | 746-2192 |
| MKYJ | an Beam | , | for for 360 Hemphill | 579-3737 |
| | Picker | CM, WATER | Kt 2 BOX 42 AM BROWS CO | 375-2751 |
| SONNY | DAVIS | HEME OWNEL | HC 53 BOX 310 HEMPHILE | 579-2502 |
| Jack | Lyne | 1 - 7 - 7 | 107 overlook Cer Hanshill | 787-7457 |
| イノ ハカニニ | don | South Saline With Corp | 52, 935 Hmphill | 579-9911 |
| East | (Coll) | Latin | 20-52, Box 829 Hemps,11 | 579-4293 |

Sabine County Regional Planning Public Kick-Off Meeting February 27, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | Affiliation | Address | Phone |
|-----------------|--------------------------|---|---------------|
| Jennifar Elms | Turner Collie & Braden | 5757 Woodway Harston 77057 | 713-267-28-12 |
| Bollie Clark | 1 | HC 52, Box 961, HEMP. 75948 | 1 |
| RJUELLS | | HC52 Box 735 Hersch (C7544) | |
| Richard Balyard | | | 579-4195 |
| Bill Hengel | South Salune | HC52 BOX 828 H2MPHILL
HC52 BOX 828 75949 | 879-3525 |
| apr & Parier | | HC 53 BY 298 | 579-3079 |
| N.B. Reple | | Po. Box 1115 | 579-3582 |
| Jack H Clonk | | 124 Brysho ca Dr. Henph. 1175948 | 787-4091 |
| S.C. MYERS | El CAMINO BAY | 118 | 787-2060 |
| HENRY BARTLET | 1 | 116 - 1 - | 187-2543 |
| Chad miller | 6 mwater | POBOX 222 Hemphill | 787-2755 |
| Don Iles | City Manager - Heurshill | , · | 787-2251 |
| Charlesfried | 1 ~ / . | HO52 1302 984 | 5794321 |
| Jimme Daker | | HC52 Box 982 Henghill | 579 4283 |
| But Bohn | 1 | | |

Sabine County Regional Planning Public Kick-Off Meeting February 27, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | | Affiliation | Address | Phone |
|--------|-------------|----------------------|---------------------------------|------------|
| HENRY | A. LOUICNE | HOMEOWNEA | HC 52 BOX 972 | 579-4394 |
| 1 | 1 P. Venn | <i>~</i> / | 70. Day 502 75 948 | 579-3013 |
| ALBERF | FLAVIGNE | Homeown | HCSZ BOX 958 HEMPHILL TY75988 | 579-7.137 |
| George | E. Carney | Honeway | HER I Boy 19c Milam | 625-3284 |
| | FLL GRANT | 11 | 1400-1-BOX 559 MILMIN TX | 625 4006 |
| Laure | Hangrans | , / | 87. 2 May 354 Sundagustine, Ley | 275-7860 |
| Mal | Kuly | G-M. Gerleral MANINA | Jer P.O. Bix 727 Hemphill | 5792219 |
| Jan 1 | 1 set | , , , | | 625-4869 |
| PHIL | Yocam | gm | 126 SHADYLN ITEMPILICE | 757-4042 |
| Lenex | An Neltry | SABALE Co. | P.O.Box 266 milm | 625-3296 |
| TENCE | C. DEWisser | OAK Ridge Silv. | 308 Allisen Sulphur La 7000 | 33742957% |
| 1 /1 | : () : | Region I Chairman | 1 1 1 1 1 1 1 1 1 | 9365696772 |
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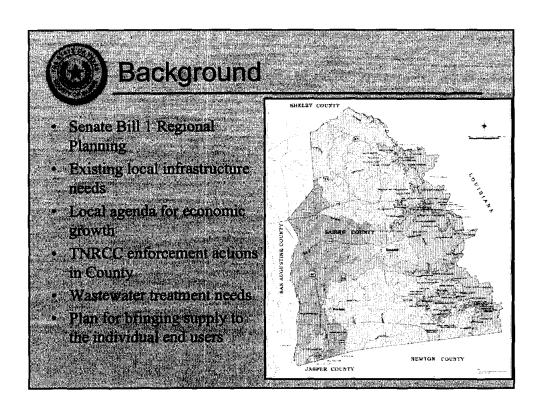
Regional Water and Wastewater Planning

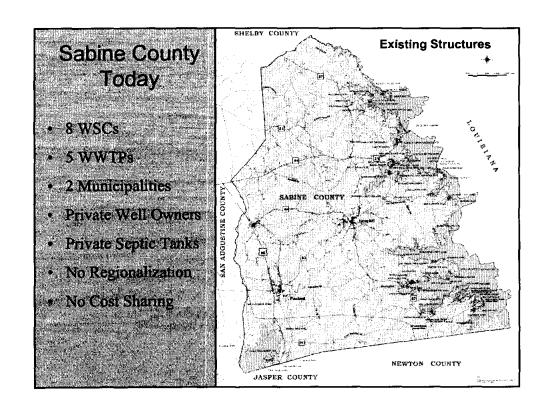
Project Status Meeting
June 21, 2001



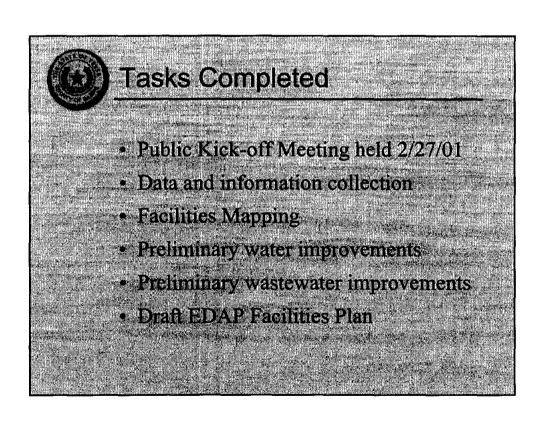
Meeting Agenda

- Introduction and Background
- Status of Regional Facilities Planning
- Creation of Management Authority
- · Review of Project Schedule
- Questions and Answers





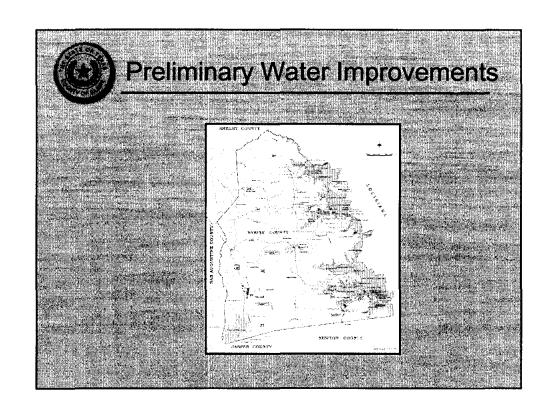
Existing Water Distribution System Regional Planning Benefits · Secure future surface water source' * Maximize existing water resources Provide long-term solutions - Annie and Economic development for County * Economics of scale NEWTON COUNTY JASPER COUNTY





Draft EDAP Facility Plan

- 4 Eligible areas including Bronson, Toledo Hills, Beechwood IV, and McGee's Landing
- Total of \$3.6 million for water and wastewater improvements
- EDAP Grant to leverage regional water and wastewater improvement costs



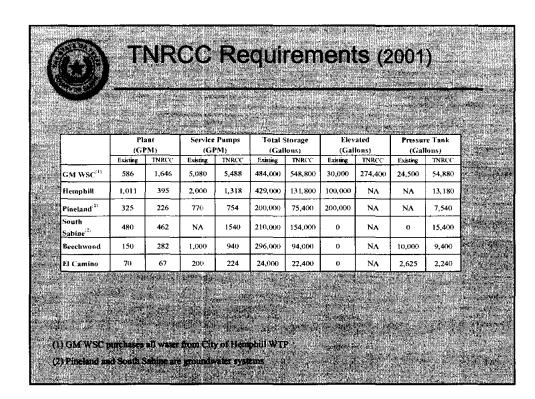


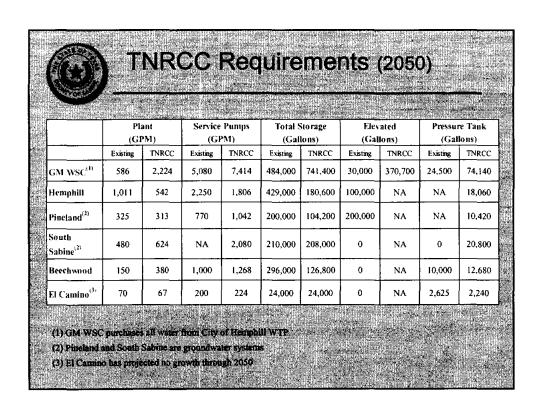
| | Total | Total | Average Water Demand | | |
|------------------|---------------------|---------------------|----------------------|---------------|---------------|
| | Connections
2001 | Connections
2050 | 2001
(GPM) | 2030
(GPM) | 2050
(GPM) |
| GM WSC | 2,744 | 3,707 | 533 | 638 | 720 |
| City of Hemphill | 659 | 903 | 317 | 383 | 433 |
| City of Pineland | 377 | 521 | 176 | 214 | 244 |
| South Sabine WSC | 770 | 1040 | 89 | 107 | 120 |
| Beechwood WSC | 470 | 634 | 54 | 65 | 73 |
| El Camino | 112 | 151 | 18 | 22 | 25 |

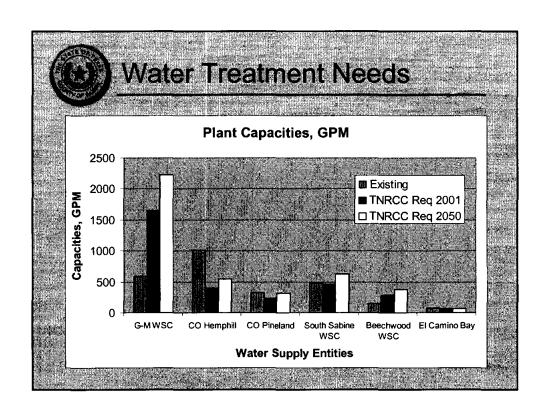


TNRCC Requirements (per water connection)

- Plant Capacity = 0.6 gpm
- Service Pumps = 2 gpm
- Total Storage = 200 gallons
- Elevated Storage = 100 gallons
- Pressure Tank = 20 gallons









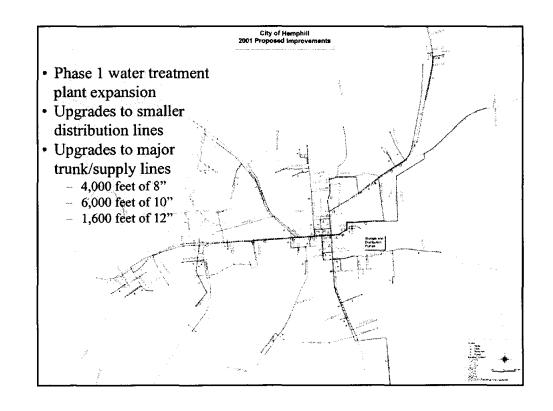
Water Planning Basis

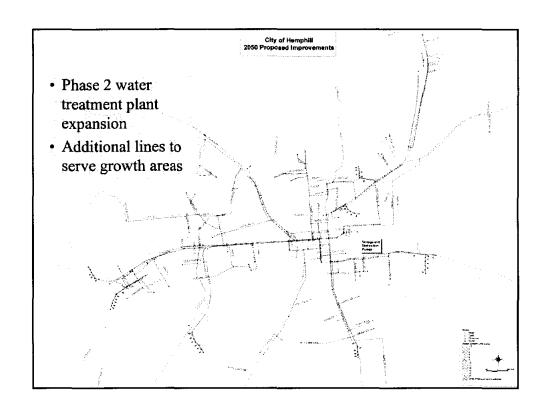
- Expansion and improvement of GM distribution system
- City of Hemphill / SRA regional water treatment plant
- Beechwood / South Sabine regional water treatment plant
- City of Pineland interconnect to GM

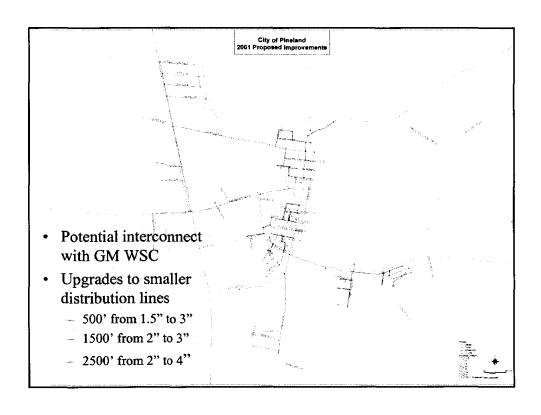


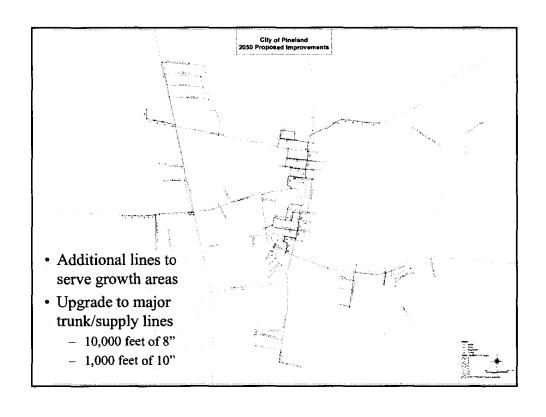
Water Model Criteria

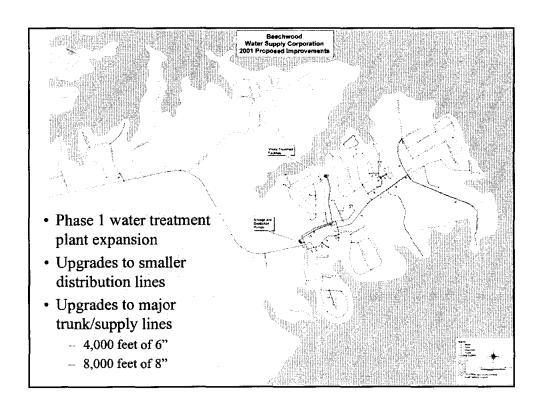
- Pipe2000 water model
- Distribution system sized for peak hour demand
- Peak hour demand based on actual water usage and TNRCC standards
- Improvements for 2001 and 2050
- Headloss less than 5 feet per 1,000 feet
- · Velocity less than 5 feet per second
- Pressures above 35 psi (per TNRCC)

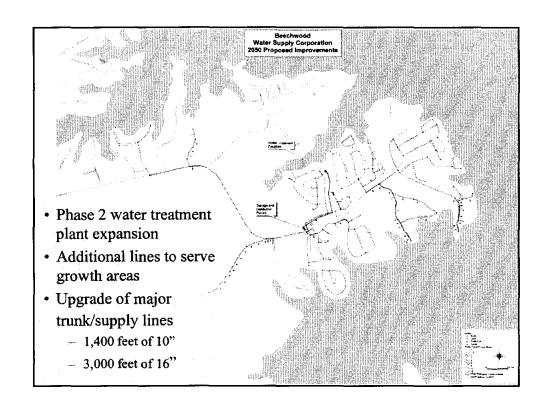


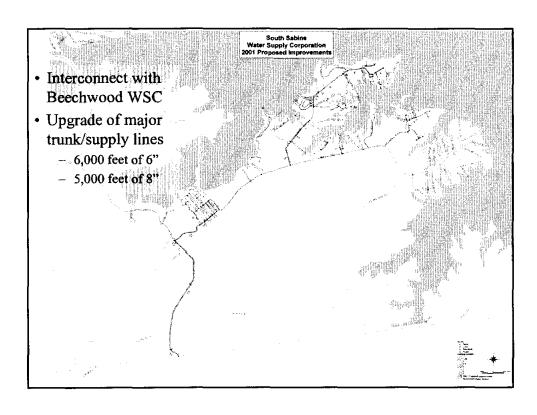


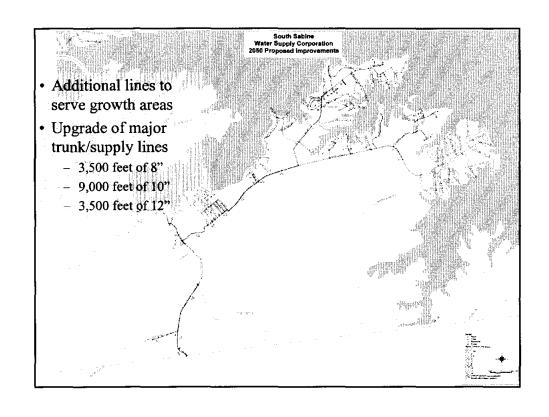


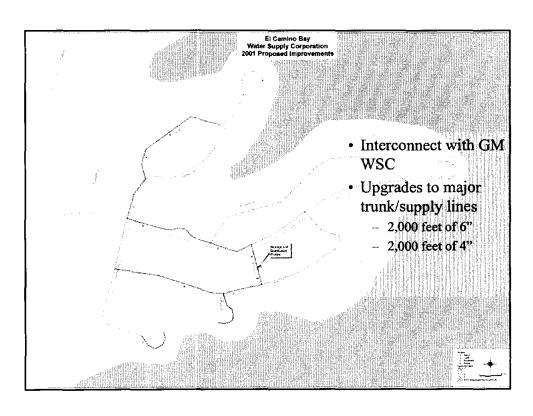








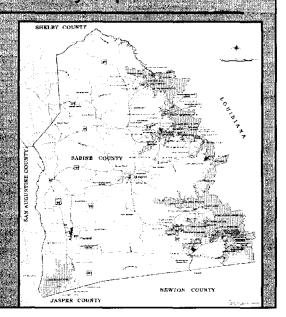






GM WSC Preliminary Improvements

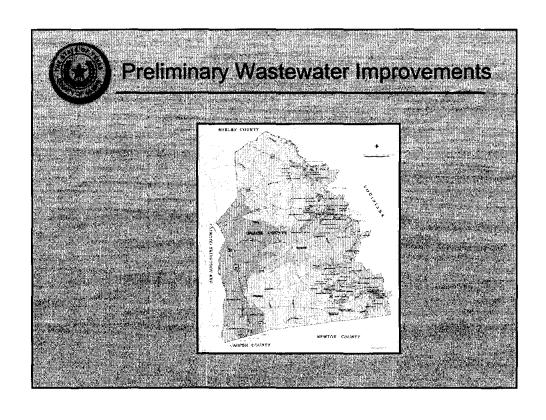
- Expand current contract for water from City of Hemphill/SRA Plant
- Increase size of major trunk lines
- Increased storage capacity
- Increased pumping capacity
- Increase connections to areas in need

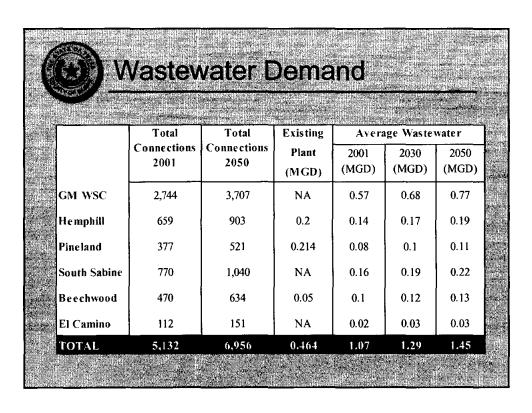




Preliminary Water Improvements Summary

- City of Hemphill plant expansion 1500 to 2000 gpm over planning period
- Beechwood WSC plant expansion 1000 to 1500 gpm over planning period
- GM WSC interconnects with Pineland, El Camino Bay, and others
- Interconnects between South Sabine WSC and
 Beechwood WSC
- Expand service areas for South Sabine WSC and Beechwood WSC to serve growth
- GM improvements to storage, pumping capacity, and distribution lines
- Upgrades to distribution lines for all entities.

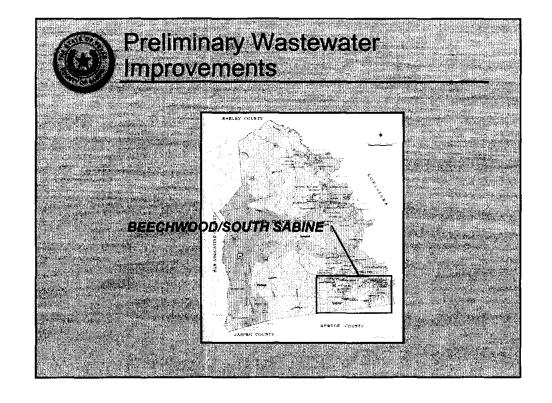


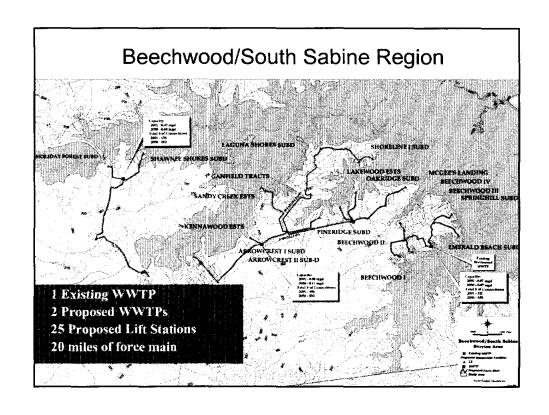


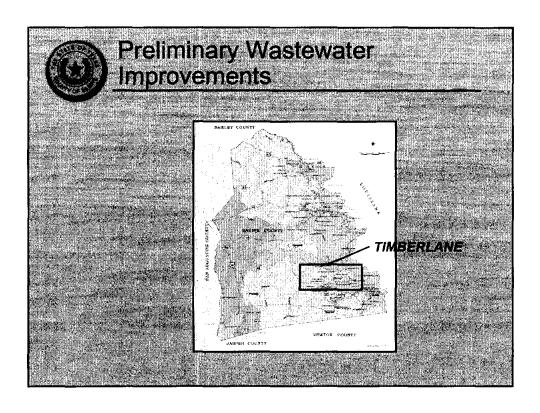


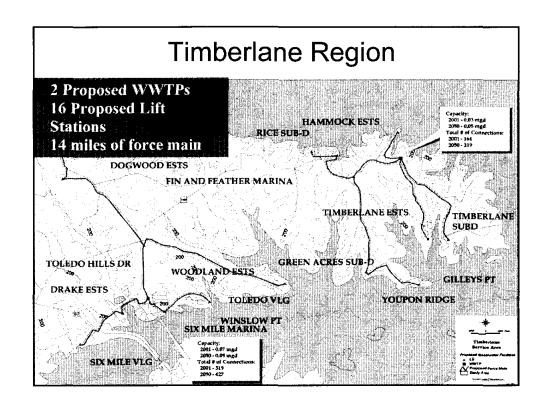
Wastewater Planning Basis

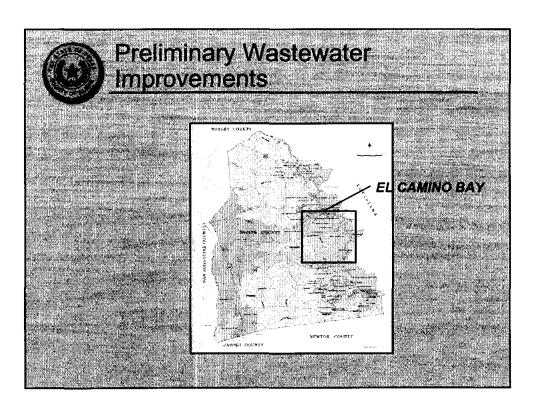
- Certain soils along Toledo Bend not suitable for on-site treatment
- Protection of primary water source
- STEP or gravity systems in individual subdivisions.
- Multiple collection and pumping stations
- Multiple regional WWTPs along Toledo Bend Reservoir
- City of Hemphil WWTP expansion
- City of Pineland WWTP expansion
- Beechwood WWTP expansions

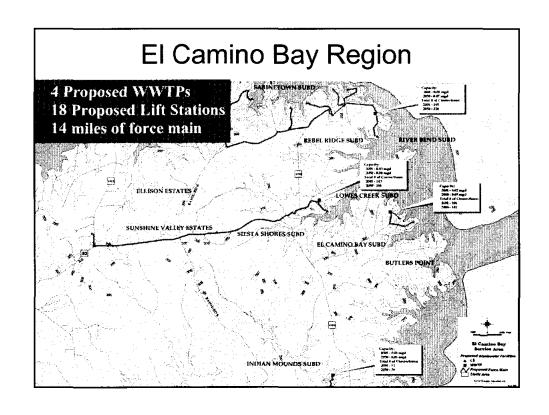


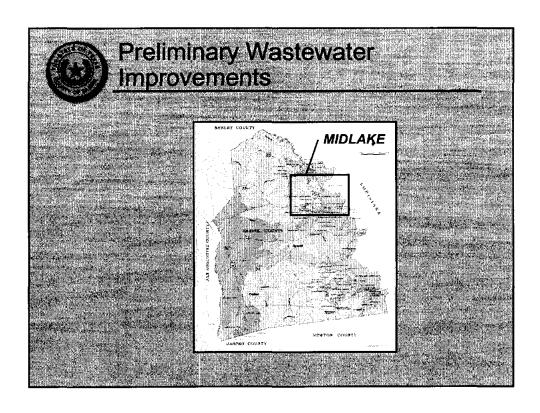


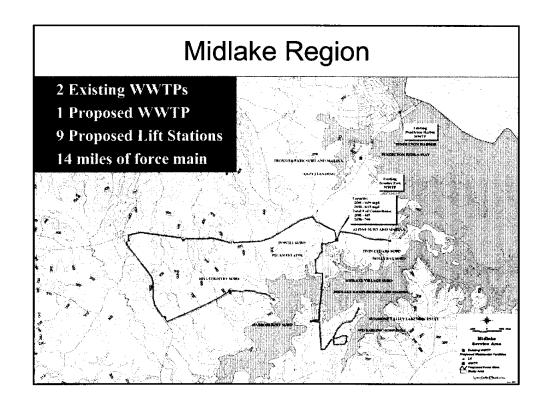


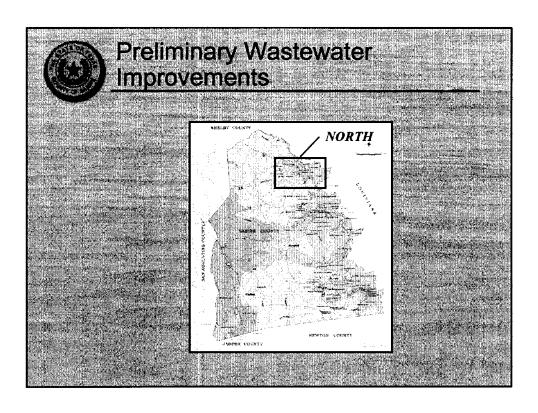


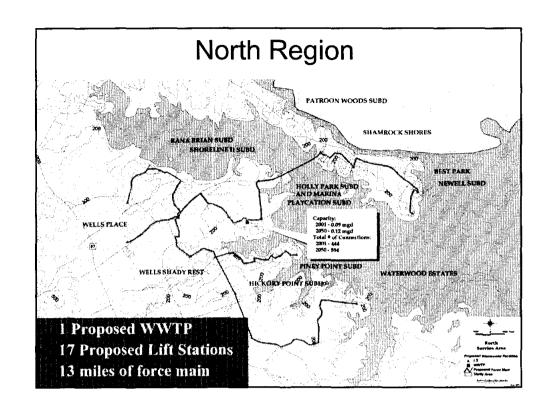














Preliminary Wastewater Improvements Summary

- 10 WWTPs along Toledo Bend –
 approximately 1 MGD over planning period
- Approximately 80 lift stations over planning period
- 75 miles of force main over planning period
- STEP/Gravity Collection Systems in individual subdivisions
- Possible improvements to existing Hemphill, Pineland, and Beechwood WWTPs
- · Potential regional WWTP in Bronson area



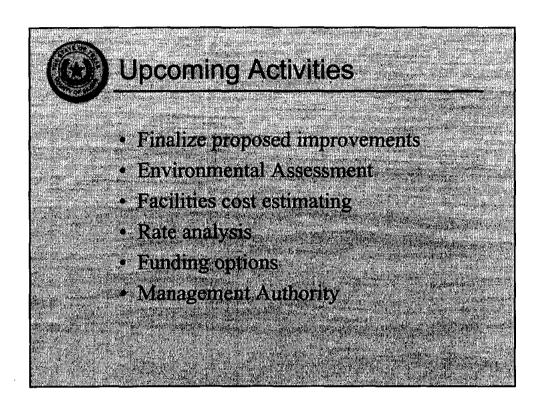
Freshwater Supply District Creation

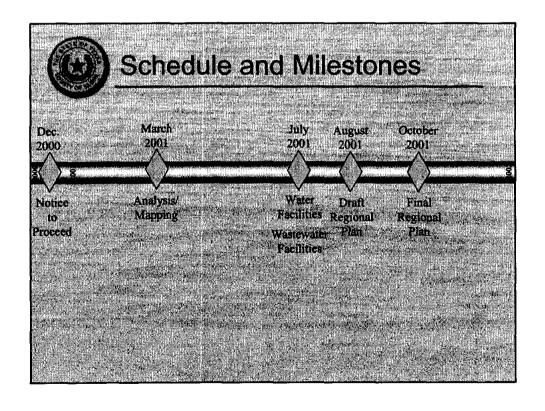
- · Created by Petition, Hearing, and Election
- Petition presented to the County Commissioners Court
- Petition signed by 50 or a majority of electors who own land
- Hearing held between the 15th and 30th day following petition:
- Five temporary supervisors appointed to serve on District
- Election held to determine if district will be established

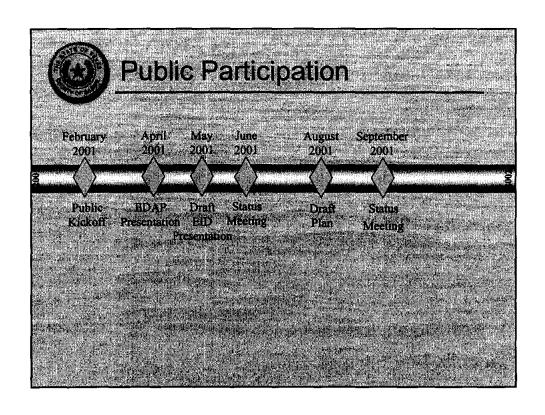


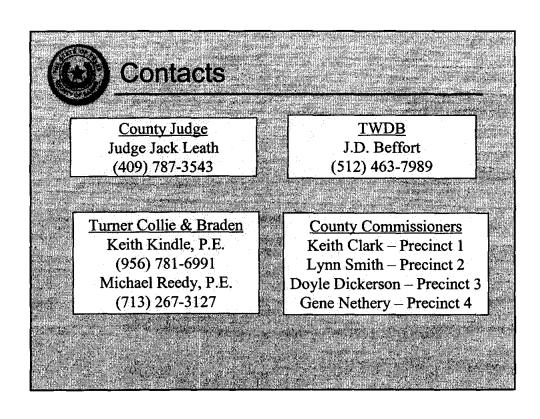
Freshwater Supply District Restrictions

- Elections required for all bond issues
- Revenue notes with terms no greater than 20 years can be issued without elections
- Creation of district inside ETJ of city requires city consent
- District can not be created outside
 County without annexations









Emergency Session Commissioners' Court

June 21, 2001 7:00 p.m.

District Courtroom

Members of the Court Present:

Jack Leath

County Judge

Keith Clark

Commissioner Pct. #1

Lynn Smith

Commissioner Pct. #2

Doyle Dickerson

Commissioner Pct. #3

Gene Nethery

Commissioner Pct. #4

Janice McDaniel

County Clerk

Judge Leath called the meeting to order at 7:00 p.m.

Agenda item #1-Discuss Regional Water & Wastewater Quarterly Progress

– District Courtroom

Judge Leath welcomed all the people for coming to the meeting. He said this is our second public meeting and we will have at least one more. He said we will have a time for questions and comments. At this time he turned the presentation over to Keith Kindle, project manager. Mr. Kindle is with Turner, Collie & Braden, the Engineering Firm for this project.

Mr. Kindle introduced his assistants, Mike Reddy, Jennifer Elms, Janie Acock, and Barbara Hatfield. He said we will have two more public meetings. He went over the background and reasons for this project. (See attached copies.) He said only four areas in the County qualified for EDAP. There were other areas that probably would have qualified, but we did not get enough of a response from the residents. We had to have a 30 percent response. Mr. Kindle then turned the presentation over to Mike Reddy.

Mike Reddy gave a presentation of the status of the facilities at the present and the projected status in 2050. He gave the steps that are planned for the projects completion. (See attached copies.)

Mr. Kindle gave an overview of how the water district will be created. (See attached copies.)

Some of the questions asked and the response given:

1. Can a person that owns property in the County but does not reside here permanently sign a petition for a water district?

Response- Mr. Kindle said he does not know the answer but he will find out and let the gentleman know.

2. Are we under EDAP?

Response- Mr. Kindle said only 4 areas qualified for EDAP. This was due partly because of the lack of response from the people. We had to have a 30 percent response to the survey. This is a loss to the County because of Grant money we could have gotten.

3. When the Water District is created, will all water supply corporations operate under the same rule?

Response- Mr. Kindle said if they join the water district, they will all operate under 1 rule. If they do not, they will continue as they have been.

- 4. Are all the water rates going to be the same in the County? Response- Mr. Kindle said the rates would be the same for everyone. You could not make someone pay more for water than what someone else was paying.
- 5. Will All water plants stay where they are or will they be moved? Response- Mr. Kindle said that if the existing plants have room to expand and it would be cheaper to utilize them, we will use them.
- 6. Are we talking about wells or about getting water out of the lake? Response- Mr. Kindle said we are talking about getting water out of the lake. Ground water may be good now but we have to think of 50 years from now and securing that water supply.
- Who is going to get the ball rolling? For example, the petition to present to the Commissioners' Court?
 Response- Mr. Kindle said come August we are going to be looking at the petition to get it on the November ballot. First we are going to have to get a cost for this project.
- 8. Will areas that do not have a water supply be first and when do you anticipate this to happen?Response- Mr. Kindle said we will be looking to add new customers. This will be the most cost-effective thing we can do to add new customers.
- 9. Will water and wastewater be together? Response- Mr. Kindle said it would all be together and that is why we are not pressing wastewater. Our priority is water supply.

Mr. Kindle said their attorney will draw up the petition to give to the County. The County will then ask people if they want to sign it. Fifty signatures are required. After the required number of signatures, the Court will then have a hearing on the petition. If the Court grants the petition, then the County would have an election. We are trying for the November election.

Judge Leath told the people that the Court would not ask anyone to sign the petition before we can tell them pretty close what the cost will be for the project.

Commissioner Clark moved to adjourn. Commissioner Smith seconded. All voted for. Meeting adjourned.

COUNTY JUDGE

COMMISSIONER PCT. #1

mill COMMISSIONER PCT. #2

COMMISSIONER PCT. #3

_COMMISSIONER PCT. #4

ATTEST:

anie COUNTY CLERK

Sabine County Regional Planning Project Status Meeting June 21, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | | Affiliation | Address | Phone |
|-----------|------------|----------------------|--------------------------------|----------|
| Lindso | y Don | El CANINO BAY | 143 BAYS HORS DR. | 78).3728 |
| 50 117 | / ' | Fl. Comino Ray | 18 Bayshore | 787-2060 |
| Am Il | 14015 | EL Camiro Bay | 118 Bayshole | 187-2060 |
| HENRY | BARTLEYT | EL CAMINO BAY | 116 BAY SIDORE | 787-2543 |
| Charlotte | BARTLETT | | | 111 |
| 1 - | Jundely | El Coming Day | 121-Bayshore Or | 287-478/ |
| 1 1/2 | Hemdell | 4 (1) | 11 | d 11 |
| 1 2 | Clark | n 11 9 | 124 Bayshore des | 787-4091 |
| Cale & m | nguHanna | Dogwood Forest Esto. | 848 Cheroker, Port Deches, TX | 727-6443 |
| D.E. 7 | Caight | Beachwood II | HC52 Box 697 Hemphill | 579 3753 |
| | y Holden | Beach wood II | 817 Montrose PT Nocha TX 77651 | 722-2546 |
| | | Beechwood II | 5421 KENT AVE CROVES TX774A | 962-6076 |
| | | Dogwood forest 71 | P.O. Box 456 Hemph 1/Ta | 579-4216 |
| m/m W. | D. HAMMOUT | Rod Rol. | HC52 BOX 759.A Hemphill,TV | · |
| | | • | | |

Sabine County Regional Planning Project Status Meeting June 21, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | | Affiliation | Address | Phone |
|------------|-------------|-----------------------|-------------------------------|--------------|
| RJWE | ells | South SAbing WSC | HC52 Box 935 | 579-4185 |
| Teorge & C | boker | () // | 14C52Box 869 | 579 4138 |
| WAYNE SO | EAL | BEBCHWOOD | HC52 Bo 845 | 579-3348 |
| | Jarren | Beechwood. | HC 52 Box 762A | 574-3990 |
| · / | Bolyard | Beechwood H20 | 4C52 Box 618 | 579-4195 |
| Dale Co | Laway | Beech wood I rosedent | 129 Beechwood Loop | 5793587 |
| Ben F | mess) | Benkurd I | Hese Box 619 | 579-2233 |
| Mal & | 111 | G-M WATER S | apply // Hemphi/ | 787 2755 |
| | WHant | G-M. WATER | | 625-4006 |
| George E | ; | 6-M. Water | 11 11 11 | 625-3284 |
| 1 1 | . Taylon | Beechwood | AC 51-Bx 680 Henry. | 579-4065 |
| RLBIGGER | | BEECHWOOD | HC 52 BX 678 HEMPHILLTX 75948 | 579 3953 |
| GERNA | | SRA | P.D. Box 579 ORANG 77631 | 1, |
| Richard Fr | llen | | 4052 BOX686-HEMPHICE | Hog 579-3138 |
| frome | . 14 \ (1) | | 10-62 Box 792 - Hemphile | |
| T | | <u> </u> | | |

Sabine County Regional Planning Project Status Meeting June 21, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | | Affiliation | Address | Phone |
|---------|-------------|---------------------------|--|----------|
| Keitham | arry Felfer | Beechwood III
Nemphill | AU57 Box 812 Kempfull | 579-3210 |
| Keich | clark | Hemphill | P.C.BOX212 Heryhill | |
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Regional Water and Wastewater Planning

Public Hearing September 27, 2001



Meeting Agenda

- Introduction
- · Water and Wastewater Improvements
- · Water and Wastewater Rates
- Sabine County FWSD Creation
- Future Activities
- Questions and Answers



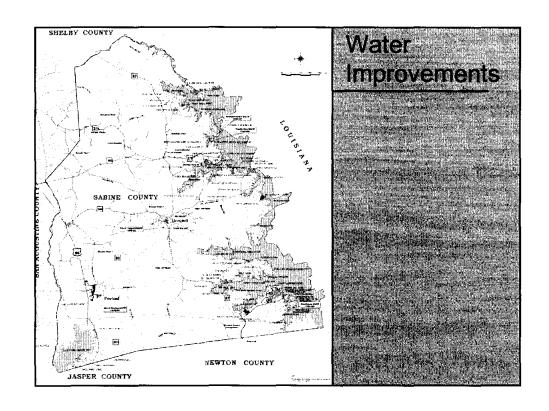
Tasks Completed

- Public Kick-off Meeting held 2/27/01
- Project Status Meeting held 6/21/01
- Draft EDAP Facilities Plan
- · Proposed water improvements
- Proposed wastewater improvements
- Proposed water and wastewater rates
- Draft Regional Facilities Plan



Draft EDAP Facility Plan

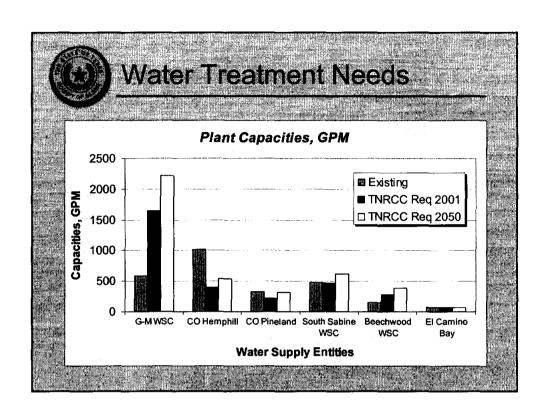
- Bronson, Toledo Hills, Beechwood IV, and McGee's Landing are eligible areas
- Total of \$3.6 million for water and wastewater improvements
- EDAP grant to leverage regional water and wastewater improvement costs





Water Planning Basis

- Surface water treatment capacity for Sabine County currently not adequate to meet TNRCC requirements
- Distribution system improvements required to deliver peak hour demands
- Additional storage capacity required in parts of Sabine County...
- Existing TNRCC enforcement actions on WSCs in Sabine County

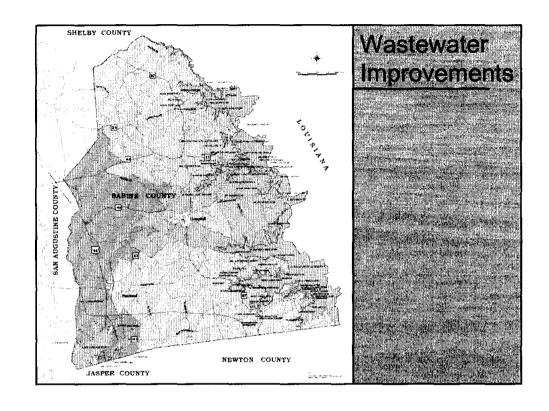




Water Recommendations

- Hemphill/SRA Water Treatment Plant Expansion
 (2 MGD over 50-years)
- Beechwood/South Sabine Water Treatment Plant (0.75 MGD over 50-years)
- City of Pineland Interconnect and Back-up Water Supply
- · El Camino Bay connection with G-M WSC
- Additional storage capacity for G-M WSC (200,000 gallons over 50-years)
- Improvements to distribution systems throughout Sabine County

Improvements in two phases (2005-2010 and 2025-2030)





Wastewater Planning Basis

- Certain soils along Toledo Bend not suitable for onsite treatment
- Protection of primary and long-term water source for Sabine County
- Focus of study along Toledo Bend Reservoir
- Multiple treatment facilities along Toledo Bend Reservoir
- · Extensive collection and pumping facilities
- Consideration of planned improvements for City of Hemphill in rate analysis



Wastewater Alternatives

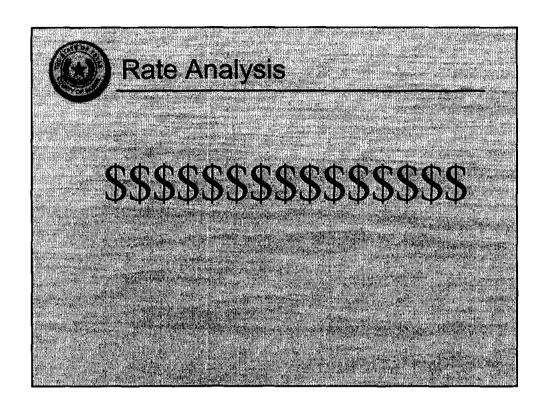
- Larger conventional WWTPs located central to multiple subdivisions (200 or more connections)
- Natural treatment systems located in smaller community clusters (less than 200 connections)
- · Gravity collection lines in subdivisions
- · STEP collection lines in subdivisions



Wastewater Recommendations

- Conventional centralized treatment facilities
- · Combination of gravity and STEP collection lines
- Extensive network of force mains and lift stations
- Approximately 11 WWTPs over 50-years;
- Approximately I MGD total WWTP capacity over 50-years
- Conversion of a majority of properties along Toledo Bend to centralized facilities

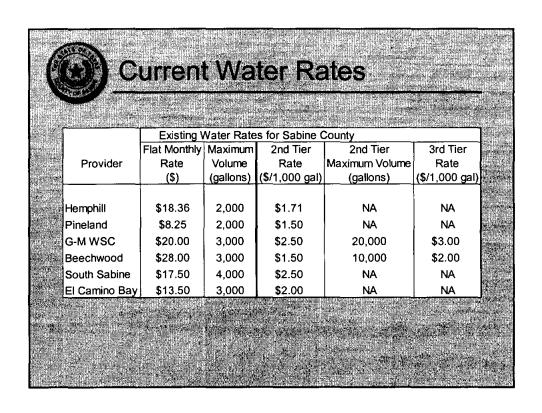
Improvements in three phases (2010, 2020, and 2030)

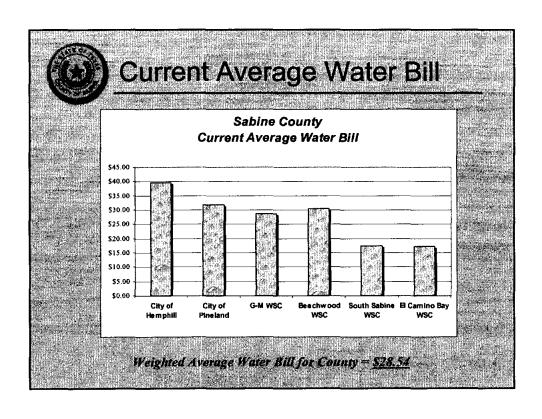


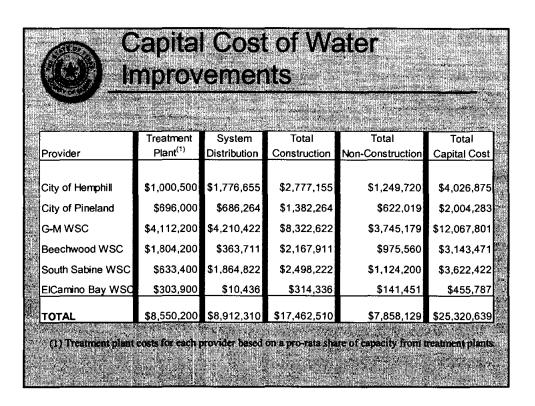


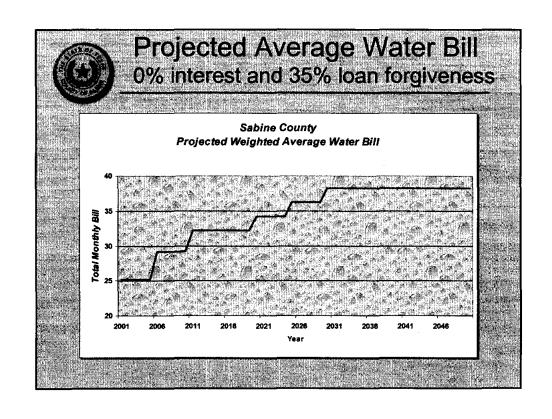
Rate Analysis Objectives

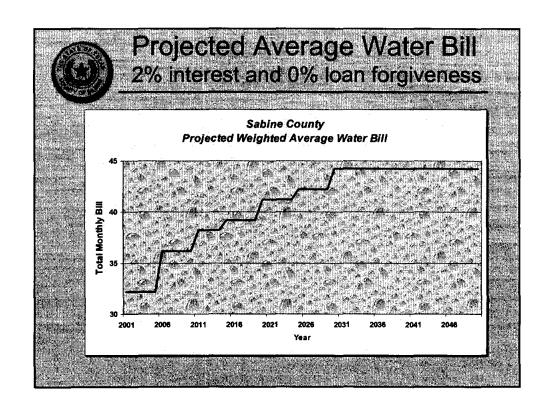
- · Dévelop equitable rate structure for all participants
- · Consistent monthly bills across the county
- · Rates fund all improvements recommended in plan
- Rate structure pays for all capital and O&M costs to operate district
- Maintain ample year-end cash balance for district water and wastewater accounts (at least \$300,000)

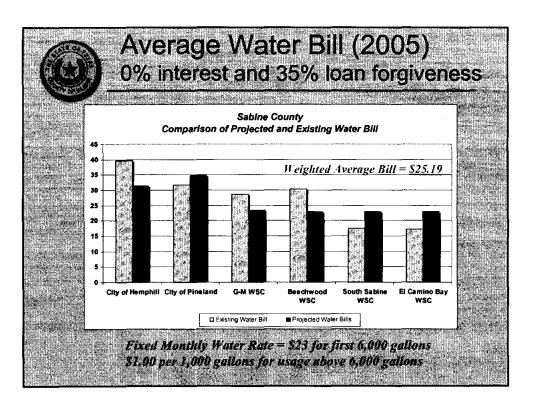


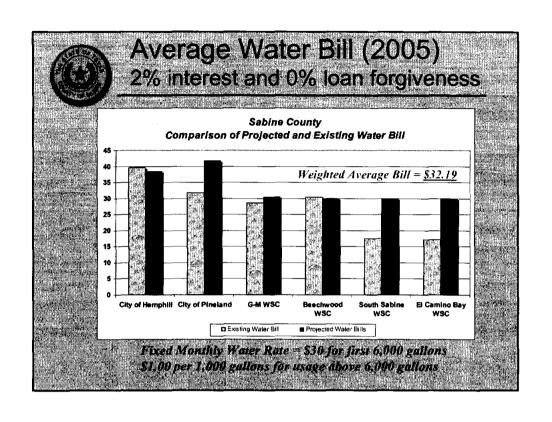


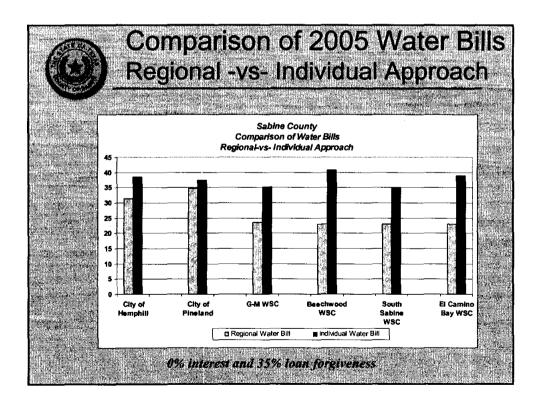


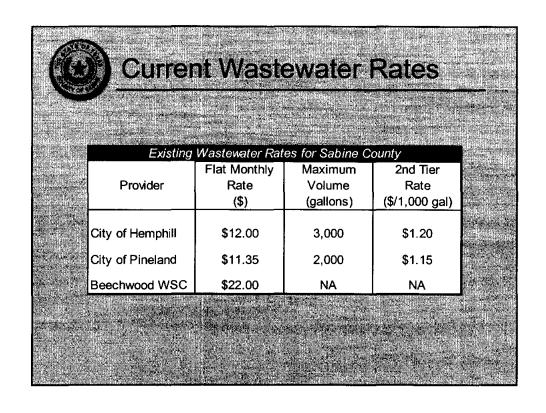


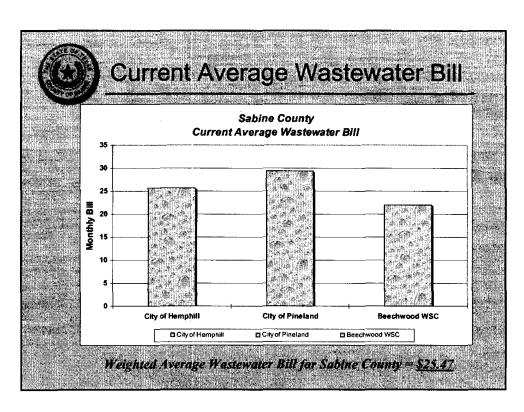




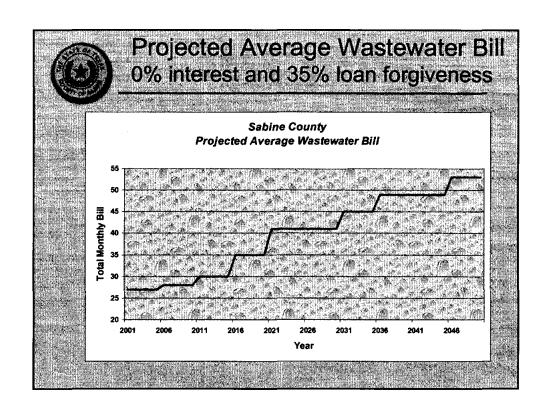


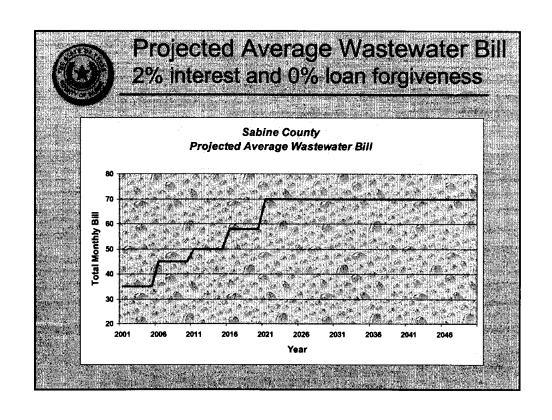


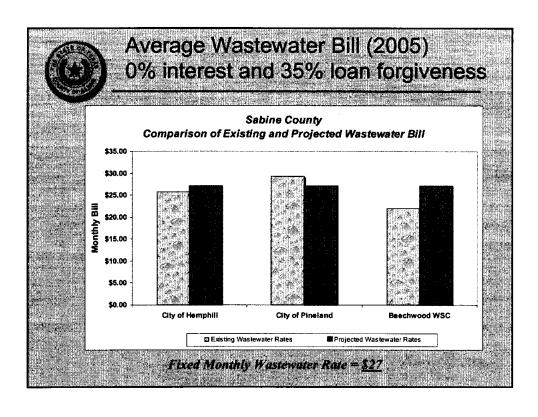


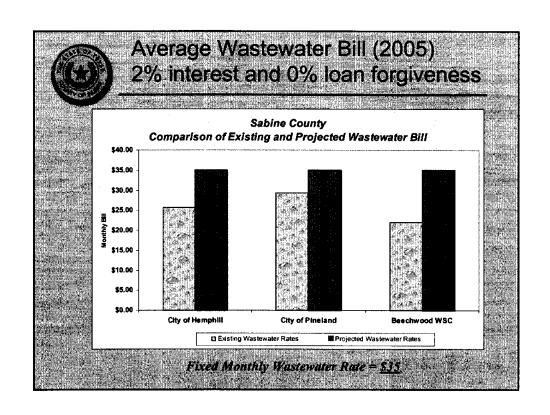


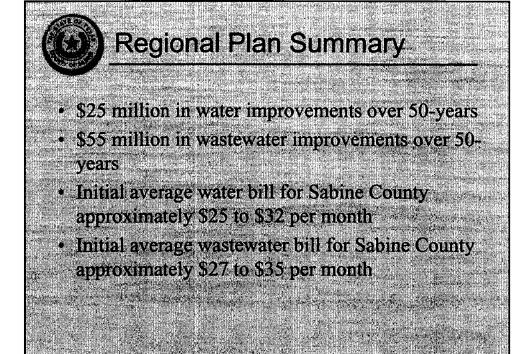
| | | | | the Application | |
|--------------------------------|--------------------|---------------------------|-----------------------|---------------------------|-----------------------|
| | The second | | 1 10 T | | 1 |
| Entity | Treatment
Plant | Collection and
Pumping | Total
Construction | Total
Non-Construction | Total
Capital Cost |
| | , igni | r unping | CONSTRUCTION | Tion Construction | Capital Cost |
| Beechwood/South
Sabine Area | \$1,440,000 | \$9,512,676 | \$10,952,676 | \$5,147,75 8 | \$16,100,434 |
| Timberlane Area | \$870,000 | \$5,788,298 | \$6,658,298 | \$3,129,400 | \$9,787,698 |
| El Camino Bay Area | \$1,530,000 | \$6,786,495 | \$8,316,495 | \$3,908,753 | \$12,225,248 |
| vlidlake Area | \$650,000 | \$4,389,079 | \$5,039,079 | \$2,368,367 | \$7,407,446 |
| North Area | \$650,000 | \$5,677,385 | \$6,327,385 | \$2,973,871 | \$9,301,256 |
| TOTAL | \$5,140,000 | \$32,153,933 | \$37,293,933 | \$17,528,149 | \$54,822,082 |
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Benefits of Regional Plan

- Addresses deficiencies in existing water systems
- Addresses long-term growth of Sabine County
- Addresses the need for wastewater improvements along Toledo Bend Reservoir
- Provides economy of scale to reduce average water bills for Sabine County
- Results in monthly water bills comparable to most residents in Sabine County



Freshwater Supply District Creation

- · Created by Petition, Hearing, and Election
- Petition presented to the County Commissioners Court
- Petition signed by 50 or a majority of electors who own land
- Hearing held between the 15th and 30th day of following petition:
- Five temporary supervisors appointed to serve on District Board
- Election held to determine if district will be established



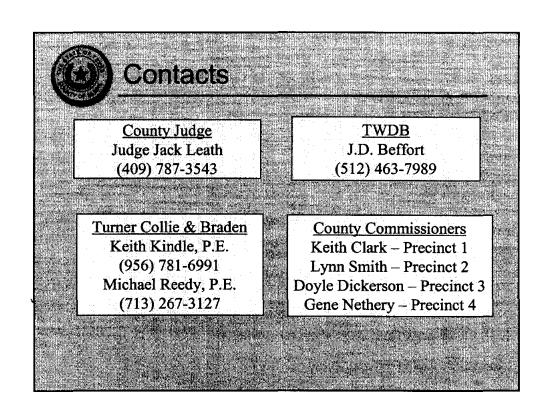
Freshwater Supply District Restrictions

- Elections required for all bond issues
- Revenue notes with terms no greater than
 20 years can be issued without elections
- Creation of district inside ETJ of city requires city consent
- District can not be created outside county without annexations



Upcoming Activities

- Review of Draft Plan by participants (2 to 3 weeks)
- Public Hearing on Environmental Information Document (Oct 2001)
- Submittal of Draft Plan to TWDB (Oct 2001)
- Final Regional Plan Approved (Dec 2001)
- Finalize Sabine County FWSD legal boundary description (Nov/Dec 2001)
- Sabine County FWSD Petition, Hearing, and Election (Jan/Feb 2002)



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| 1 | REGIONAL WATER AND WASTEWATER |
| 2 | PLANNING |
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| 9 | |
| 10 | PUBLIC HEARING |
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| 17 | |
| 18 | TRANSCRIPT OF PUBLIC HEARING |
| 9 | ON SEPTEMBER 27, 2001, 7:00 P.M. |
| 20 | IN HEMPHILL, TEXAS |
| 21 | |
| 22
23 | Computer-Aided Transcription By: |
| 24 | EXCEL REPORTING & ASSOCIATES |
| | P.O. Box 151601, Lufkin, Texas 75915 |
| 25 | ANDREA K. SIMMONS, CSR |
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| | Page 2 | | Page 4 |
|---|--|---|--|
| 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | Page 2 A P P E A R A N C E S Jack Leath, County Judge Keith Kindle, P.E. Michael Reedy, P.E. | 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 | I would remind you if you came up the elevator you probably passed by the sign-in sheet. If you would, before you leave tonight make sure you sign in. And when we get to the question-and-answer portion of this, make sure you state your name for the record so Andrea can get that because otherwise she's going to really get after me. I'll have to ask you again for that. Without further ado, although I would with your permission, Judge I know y'all have probably done this several times a little bit, but with our President's instructions to never forget and never rest I'd like to take a moment of silence for the events of September the 11th. (Moment of silence observed) Thank you. I appreciate that. What have we done? This is our third public meeting that we have had up here. We had our first kickoff meeting in February in 2001. At that meeting, we told you what the objectives of the regional plan were and as well as what we were going to do. And we had a meeting in June of 2001 telling you what stage we |
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23 | | 23 | were at. |
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25 | | 24
25 | The meeting agenda tonight we are supposed to cover is the water and wastewater improvements, the |
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JUDGE LEATH: If we could have your attention, please. Once again, we want to thank you for coming. Mr. Kindle has, I believe, pretty much finalized the plans. Still some environmental things to do but he's going to have some information, probably the information that we've all been waiting for.

During the meeting tonight, I'll ask that you come up here if you want to make a statement because all of this has to be recorded by the court reporter here. And when you -- make sure that you identify yourself so that she will have that as part of the record also.

And with nothing else from me, I'll ask Keith Kindle to introduce himself once again and proceed with the presentation.

MR. KINDLE: Thank you, Judge. I'm going to go ahead and use this microphone. Can everybody hear me okay, or is that too loud? It's all right. Okay.

As the Judge said, my name is Keith
Kindle. I'm principal and project director for Turner,
Collie & Braden. Mr. Mike Reedy has been the project
manager for this regional planning effort. Ms. Jennifer
Elms has assisted him as one of our planners, and also
Ms. Jamie who is in the back. And last but certainly
not least, Ms. Andrea who is our court reporter tonight.

Page 5

evaluation of alternatives, the analysis and selection, 2 proposed water and wastewater improvements that have 3 been included in the draft stage. We've also done an 4 evaluation of water and wastewater areas proposed 5 through the support that calls for the proposed improvements. We also have information on creation of the fresh water supply district, more importantly the 7 mechanism and the time that has been proposed for this regional facility plan, as well as our future 10 activities. And the last part of this presentation 11 tonight will be the question and answers. 12

What have we completed? Well, we've done a few public meetings, as I've talked about. We have also completed a draft EDAP facilities plan. For some of those who haven't been at the prior meetings, EDAP is the Economically Distressed Areas Program. It is a grant program by which we've had four areas identified as eligible: Bronson, Toledo Hills, McGee's Landing and Beechwood IV. That is significant in the fact since it's mostly 100 percent grant we plan to use it to leverage the regional improvements. By that, I mean the more grant that I get the less loan that the district

more grant that I get the less loan that the d
 has to take on to do these improvements.
 Mike Reedy at that time will cover

Mike Reedy at that time will cover the proposed water improvements, proposed wastewater

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improvements and also probably most interesting the 2 proposed water and wastewater rates. And then last but 3 not least the draft regional facilities plan which is the highlight of the summary. The draft EDAP facilities 5 plan, as I mentioned, the four areas that are eligible,

6 the total cost is 3.6 million, which 1.2 million is the water improvements and 2.4 million is wastewater 8 improvements.

As I discussed earlier, the EDAP grant will be used to leverage the regional planning cost. What that does is reduce the loan amount that we need.

At this point in time, I'm going to turn it over to Mike Reedy. He's going to cover the meat of the presentation and I'll come back on creation of the district and cover that with you and where we're going on the future tasks. Mike.

MR. REEDY: Thank you, Keith. And thank everybody for showing up tonight. I'm going to try to get through this as quick as I can because I want to leave enough time at the end of this for questions and open discussions.

As far as the improvements, both water and wastewater, I'm not going to spend a lot of time on all the technical specifics but I am going to hit the highlights and try to spend most of the time on cost and white is what the TNRCC will require in 2050. All the

2 water facilities planned are out to that period, 50-year

3 planning cycle. The water recommendations that are

4 included in the plan, again in general, these are the

5 high points. We've got the Hemphill Sabine River

6 Authority water treatment plant expansion, roughly two

7

million gallons per day expansion over the next 50

8 years. We've got a new plant proposed for Beechwood

9 which would serve all of Beechwood's existing demand and

10 their growth and would provide water for future growth

11 for South Sabine. And we're looking at roughly three

quarters of a million gallons per day over the next 50 12

13 years. We've provided enough capacity to provide a

14 backup water supply for the City of Pineland. We're

15 looking at connecting El Camino Bay directly

16 to the G-M water supply corporation. And we've got 17 roughly 200,000 gallons planned over the next 50 years

18 in additional storage for G-M.

19 And again, we've got lots of improvements 20 to existing distribution systems pretty much throughout

21 Sabine County. In terms of rates and cost, what we're

22 looking at right now is two phases of construction for

these improvements. The first phase would take place, 23

24 say, roughly 2005 to 2010. Could be a little earlier,

25 could be little later. But this is what we're dealing

Page 7

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rates.

The basis of our water planning thus far has been that we realize that in Sabine County today there is inadequate water treatment capacity to meet TNRCC requirements. Through our work we've also found that there are improvements needed to existing distribution systems in order to deliver peak hour demands. We also know that there are storage capacity requirements in certain parts of the county. And there are two water supply corporations existing today that have enforcement actions against them by the TNRCC that 12 need to be addressed.

This gives you a little graphic of what I was just talking about in terms of water treatment needs. The six entities that we've dealt with on this planning study are shown on the bottom. What you'll see is that the G-M water supply corporation is significantly inadequate in terms of plant capacity. The City of Hemphill which provides all the water to G-M, they have got adequate capacity of right now. City 20 of Pineland appears to be right at their capacity, as well as South Sabine. And again, Beechwood water supply corporation are inadequate. What I forgot to just mention to you, the blue is the existing capacity today,

the maroon is what the TNRCC will require today and the

with in the plan. The next phase will be roughly 2025 2 to 2030. These improvements would take us all the way out to 2050 in terms of water demand.

there is just certain soil along Toledo Bend that really

3 4 Over onto wastewater improvements. The 5 basis on our wastewater planning, we realize the 6 documents that we've been able to pull together that

8 aren't suitable for on-site treatment or septic tanks. 9 We also recognize that the protection of primary and

10 vital water source for Sabine County in this whole area,

that being Toledo Bend Reservoir, is an important goal. 11 12

What that led us to is, in terms of wastewater the focus 13 of our study really has been along the Toledo Bend

14 Reservoir. What that's going to require is multiple

15 treatment facilities along the reservoir. It's a fairly

16 extensive collection of pumping facilities. And one

17 thing that I do want to note in terms of our rate study,

18 based on some information that we received from the city

19 of Hemphill we do have cost that was provided to us for 20

plant improvements in the City of Hemphill in order to 21 develop our rates.

We looked at two different alternatives

22 23 for wastewater. The first is locating somewhat larger 24 plants that would connect 200 or more connections.

25 These would be conventional-type, package-type plants.

3 (Pages 6 to 9)

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The other alternative that we looked at was locating smaller natural-type treatment systems. When I say natural-type, that's treatment technology using maybe a large septic tank that would handle the solids. Something like a sand filter or something like that to treat the wastewater. But again, it would take a lot of these systems to cover this because we would be connecting less than 200 connections, far less than 200 in most cases.

We looked at two different types of collection facilities in individual subdivisions. The first is just your common gravity collection system. The other one we looked at is something that we call STEP, actually septic tank effluent pumps. These are pumps that would be installed in existing septic tanks so that existing septic tanks would still handle the solids but all the water would come off and we would treat those in these natural treatment systems.

After we ran all the cost and based on a lot of other criteria, what we have come up with in the plan is really the best approach if we were to do this would be the conventional centralized treatment systems. In terms of collection, we would probably look at for the most part gravity-type sewers. If certain

subdivisions the topography really doesn't allow it, we

improvements that are recommended in that plan. And

2 there's a lot of them. The rate structure pays for all

3 the capital costs and all the operational costs to

4 operate a district. What we've also done is made sure

5 that in every year the district would have a year-end

6 cash balance of at least \$300,000. That's \$300,000 in

the water and the wastewater fund. So for the district

it's actually a \$600,000 year-end cash fund.

8 9 These are the current water rates. These 10 were provided to us by these entities. All the rates consist of a flat monthly rate. And it varies and the 11 12 variances really have to do more with who's using 13 groundwater, who's using surface water. Pineland and 14 South Sabine are both groundwater systems. And that flat monthly fee is based on certain volume of water up to a certain volume of water. That varies anywhere from 17 2 to \$4,000. Then they also have a per 1,000 gallon 18 second tier rate. And that's applying any water that's above that maximum volume. And for two of them they

19 20 actually have a third tier rate. 21 We did some calculations to try to

22 determine what an average water bill is today for these 23 various entities. And the way we went about this is, we

24 collected water production data from these six entities.

25 We also determined the number of connections that these

Page 11

might have to use these STEP systems that I just talked 1

2 about. But for the most part, we would try to stick

3 with the gravity lines. Again, that would be a very

extensive network of force mains and lift stations over 4

5 the next 50 years to convert over to conventional

wastewater treatment. We're looking at approximately 11 6

wastewater treatment plants over the next 50 years.

Right around one million gallons per day of capacity. And really what we're doing, it's a

conversion of a majority of the properties along Toledo Bend from what is now septic systems to centralized facilities. For wastewater we're actually looking at three phases in terms of developing, cost and rates. Those phases are roughly 2010, 2020 and 2030. And again, those would take us out to 2050 in terms of wastewater demand.

17 This is where we're going to talk about 18 the money here. These are just some of the objectives 19 that we have in developing a rate analysis. What we 20 tried to do was develop an equitable rate structure for all the participants that we looked at. We didn't want 21 22 to put too much burden on any one entity. We also tried to develop consistent monthly bills across the county. 23 24 And what's important is that the rates that we're going

to go over here in a second, they fund all the

Page 13

entities serve. So we took that water production data,

2 basically divided it by the number of connections to

3 come up with some estimate of a monthly water usage per

connection. Then once we had those numbers we applied 4

5 the rate I just showed you to come up to what we

6 calculated as an average water bill. And it appears to

7 vary across the county, depending on water use. We also

8 calculated an average water bill for the county as a

Q whole. And that would be an average of all six. And

10 the average, at least based on this analysis, the 11

average today in Sabine County appears to be around \$28.

These are the capital costs for water

13 improvements that we have in our plan as of today. We

14 divided these costs out by entity as well as we have

15 shown a little bit of division between those costs that

16 are in the plan for treatment plant expansion. Those

17 costs would include the plant as well as some of the

ancillary pumps and intakes. We've got system 18

19 distribution cost and then the total construction cost.

20 You can see for all six entities over the next 50 years

21 total construction costs are roughly 17 1/2 million.

22 The total non-construction cost that you see include

23 things like legal, physical, engineering.

24 And we also have 15 percent contingency 25 all the way into this, just to be on the safe side. So

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the total cost for the next 50 years for water improvements is right around \$25 million.

This graph shows you our projection of an average water bill over the next 50 years with those capital cost improvements that I just showed you. What this indicates to us is that the water bill would need to start out -- the average water bill is going to start out around \$25. We're going to see an increase in the next 10 years to somewhere in the 28 to 29 range. And ultimately when we get out to the year 2030, we're going to be in the 37 to \$38 range.

One thing I want to point out, the graph looks a little funny, is that we did a long straight line there. The reason that it's like that is actually when you get out to 30 years and beyond, theoretically we could actually see a decline in water rates as you start paying off your debt service. That's 30 years from now and we really didn't want to show something like that at this point. It's kind of unknown. So water rate was just -- stayed flat because of that.

Another thing I need to point out, through the Texas Water Development Board Sabine County has currently approved their drinking water fund for, I think it's \$16 million; is that correct?

MR. KINDLE: 16.2 million.

our projected water bills. What you will see is that

most cases the projected water bill is pretty close or

3 even below what we believe the existing water bill is

4 today. The rate structure that we would have to use,

5 and again this is a zero percent interest loan, 35

6 percent loan forgiveness, again the best-case, the water

7 rate that we would have to use is right around \$23 per

8 month per connection for the first 6,000 gallons. And

9 then we would apply a dollar per 1,000 gallons for usage

10 above 6,000. We did the same analysis and came up with

11 an average water bill for the entire county of roughly 12 \$25. And if you can remember a few slides back, the

13 current average water bill, I believe, was about \$28.

14 So we think we're pretty close to what the average water 15 bill is today.

16 This graph shows you the same thing, only 17 using a 2 percent interest and zero percent loan 18 forgiveness. You see, the 2 percent makes a difference.

19 It raises the average water bill to roughly \$32. And

20 our fixed monthly water rate would have to be something

21 more like \$30 per month for the first 6,000 gallons.

22 And then again another dollar per 1,000 gallons used 23

beyond that. 24

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What we did here with this graph, we took the total capital cost dollars that I showed you on that

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MR. REEDY: Because of Sabine County and the way they rank there are two different -- or we have shown two different types of loans. They could be approved for a loan as good as zero percent interest and 35 percent debt forgiveness. That's really what this graph represents. So this graph represents the best-case scenario for water rates.

This next graph shows what we believe to be the worst-case scenario for water rates. This is a 10 2 percent interest and no loan forgiveness. Under these conditions, the water bill would start out around 32, 12 33. In the next 10 years we would see an increase up to 36 or 37. And then again, out to 2030 we would be up in 14 the \$44 range.

We also tried to look at what the 16 projected average water bill might be for these individual entities because all these entities have a 18 different water usage. Some entities just -- the people are just using more water, primarily because they're not as trained as those that are along the lake. But what this does is try to compare what our projected average water bill is versus what we think the average water bill is today.

24 The lighter blue column represents 25 existing water bills today, the darker blue represents other table for each entity, we took those costs and we

2 said, okay, what if each individual entity made these

3 capital improvements but made them on their own, they

4 did their own thing. What we found was that the dark 5

blue columns represent the average water bill for each 6

of these individual entities if they implemented the 7

capital cost improvements that we've shown. The dark or

the lighter blue shows what the average water rate would

be in a district or a regional-type plan.

10 What this shows, long-winded, but what it 11 shows is the economy of scale. That as a large group of 12 little over 5,000 connections you can do a lot of improvements in Sabine County and still keep the average 13 14 water bills relatively low, whereas an individual entity 15 that may be dealing with 300 connections, 400 16 connections, it's harder for them to make improvements,

capital improvements, without impacting water bills. Okay. On the wastewater rates, these are

the wastewater rates that were provided to us for three of the entities in Sabine County that currently offer centralized wastewater treatment. Again, we have a flat

21 22 monthly rate, \$11 up to \$22. And then two of them have

23 a second-tier rate on a per 1,000 gallon basis of the 24 maximum volume. Right now, the current average

25 wastewater bill based on the water use data we have for

5 (Pages 14 to 17)

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each entity is somewhere, anywhere from 21 to maybe \$29, with an average being roughly 25. The capital cost for wastewater improvements we have in our plan through the next 50 years totals roughly \$55 million. And again, that would be done over three phases over the next 50 years, 2010, 2020 and 2030.

We have it divided similarly as the water. We have got treatment plant costs. Most of the cost associated with wastewater is in your collection and pumping. There's just not enough density in any one area on that lake to make collection and pumping an easy task. A similar analysis that we did for water -- one thing I want to point out here is, we did the similar analysis using a zero percent interest, 35 percent loan forgiveness and then also the 2 percent. We don't think that Sabine County is going to be eligible, at least on the wastewater side, for a loan of zero percent interest and 35 percent loan forgiveness. It's probably going to be more like the 2 percent we are going to show you, but we went ahead and did these for comparative purposes.

What this shows is initially a wastewater rate somewhere around \$28 and then over the next 50 years it grows as high as \$53 per month. This is a 2 percent interest. And this probably is more 25 representative of what this plan will actually cost.

Page 20 would be somewhere around 27 to \$35 per month.

2 So what are the benefits of all this? 3 Well, our plan will address the deficiencies of existing 4 water systems today. We know that. It also addresses 5 long-term growth for Sabine County. We have growth numbers that are provided by the water development 7 board. Those are in there. And it addresses the need 8 for wastewater improvements along the Toledo Bend 9 reservoir. If you remember the slide I showed you 10 earlier we definitely can provide some economies of scale to help reduce average water bills. And for the 11 12 most part results in monthly water bills anyway 13 comparable to most residents today in Sabine County.

Okay. At this point I think I'll hand it back over to Keith and he'll talk a little bit about putting together a fresh water supply district.

MR. KINDLE: Thank you, Mike. For those of you that thought that was a long presentation, that's what Mike was covering, in a very short amount of time. Those are the drafts that we plan to give to the planner participants. They had been involved in this for quite a while, over the past nine months.

I need to quickly summarize in the creation of a district is there's two points or two parts of this presentation tonight. One, of course, is we were

Page 19

The average wastewater bill started out 34, \$35, and by 2020 we would be up in the \$70 range. This again shows 2 a comparison of existing wastewater rates versus the 3

projected rates. And this is at the zero percent

interest and 35 percent loan forgiveness.

At that type of interest rate we would see a fixed monthly wastewater rate for the county of about \$27 per month. And for a 2 percent interest which is probably more typical, the fixed monthly wastewater rate in the county would have to be something around \$35. So in that case, the projected wastewater rates are quite a bit more than existing wastewater rates today. And on top of that most of our improvements are planned for areas that are currently on septic tanks, so those individuals would see a wastewater rate go from basically zero today to these numbers.

Just kind of a summary on the regional plan. What we're looking at is roughly \$25 million in water improvements over the next 50 years, \$55 million in wastewater improvements over the next 50 years. Right now, we're seeing initial average water bills for Sabine County of approximately 25 to \$32 per month.

Again, that is going to depend a lot on the type of loan 23 we get. Initial average wastewater bill for Sabine

County if we were to implement all these improvements

charged to develop a regional plan that provides a water

2 and wastewater plan for the next 50 years. Those are

3 our requirements that we're supposed to fulfill to the

Texas Water Development Board. When you see \$55 million 4

5 in wastewater that provides the blueprint for

individuals or a district to proceed when the need 6

7 arises. 8 I want to make a distinction because our 9 recommendations on this right now because you don't have

10 the population density you do not have enough data to 11 support that the septic tanks are working the way they

should be, you do not have enough data to support that 12 13 Toledo Bend Lake is at risk due to septic tanks and you

14 don't have the population density. But the only

15 wastewater improvements we're recommending at this point

16 would be the EDAP improvements, those that are 100

17 percent graphed. Now, the water improvements that we

18 have fortunately, this is coincidentally, the county is

19 eligible, this was approved last month, for 16.2 million

20 drinking water SRF funds. That's equivalent to the

phase one water improvements. Worst-case scenario, the 21

22 2 percent that was shown the rates are still comparable.

That is the worst-case. Best-case scenario the 35 23

percent loan forgiveness which we believe they will 24

25 achieve, the preliminary calculations show that they are

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eligible, it's going to be a substantial save, presents quite an opportunity for the district and for the county.

I do want to make a distinction when we talk about the district. The county has the ultimate on this drinking water SRF. How will these projects be funded? The county would receive the money and through contract revenues by the district, the district would be responsible for the debt service through contract with the county.

Now before I go any further on that, the 12 last thing I want to say before I get into creation of a district is recognizing achievement in the last nine 14 months. First and foremost, you now have a digital map of the entire county, water, wastewater, all the 15 infrastructure within the county. Believe me, there was 16 a stack of maps that we -- one map about this high off the table. Quite a bit of work. We identified all the problems, water and wastewater, that were not both TNRCC, talking with the individual water supply corporations, talking with the individual cities, and listed all those and we defined water and wastewater solutions after identifying all the alternatives and costs and have supplied the rate analysis to show you

what has been the cost for that.

Well, that's going to be the registered voters within

2 the district boundary. I want to make that distinction.

3 If the district boundary doesn't include South Sabine,

4 then voters in South Sabine cannot vote on the creation

5 of the district, only the registered -- and if you think

about this, it's what the Texas water code requires. If 6

7 you are going to be in the district and you're a

8 registered voter, then you get to vote on creation of

9 the district. If you are not affected by the district, 10

if you're not within the boundary of the district, even 11 if you are a registered voter you do not get to vote on 12 creation of a district or you're not eligible to vote.

Put it that way.

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Any bond issues of the district, of course, our first recommendation right now of any debt service funding is to utilize the EDAP funding as well as the drinking water SRF. That will be done by the county. The district itself can incur debt. The elections are required for all bond issues of the district with the

19 20 issue. Also revenue notes with terms no greater than 20

21 years can be issued without an election.

22 The creation of a district inside, these 23 are just some of the restrictions of the ETJ or the 24 extra territorial jurisdiction. The city -- requires

25 the city's consent. With Hemphill, once our boundary

Page 23

And then what I am up to now is, of course, how can a district be created and what are the benefits of that. One of the benefits you have already seen, the economy of scale. And individual cities and water supply corporations had to make improvements on our own. And as we talked about several times before, these improvements will have to be done, the majority of them. We have already got two or three by TNRCC. You're going to do something regardless. Somebody's going to pay for these improvements. There isn't any doubt or isn't any discussion. It'll have to be. Or somebody else will start operating them, one or the other.

Creation of a district. Petition, hearing and election. Those are our three major steps for creation of a fresh water supply district. The petition is presented to the county commissioners' court. That petition must be signed by 50 or a majority of the electors who own land in Sabine County. A hearing is held by the county court between the 15th and 30th day after the petition is submitted. The court may appoint five temporary supervisors to serve on the district board. An election is then held to determine if the district will be established.

One of the things -- I know I've had this 24 question several times -- is who's eligible to vote. 25

will go around Hemphill or include Hemphill it has to be done, obviously, with their consent. And the district, 3 the first creation of it cannot go outside the county 4 line unless -- again, the water supply corporation goes 5 a little bit into San Augustine County. That could be 6 annexed at a later point. But the original, the first 7 initial creation of the district has to be within Sabine 8 County lines.

All right. That's very brief on the creation of the district because I'm obviously not an attorney, I'm an engineer. But I do want to show you what the steps are. And it really doesn't get a lot more complicated than that.

Our upcoming activities, we are submitting 15 the draft plan tonight to the participants. We're allowing two to three weeks for comments. We're going to have a public hearing next month on the environmental information document. That's the last part on our effort that we have done. And if we're going to get

19 20 funding for all of these improvements, you have to get

21 the environmental clearance for that. That's what the 22 environmental information document is. It takes all of

23 these proposed improvements, describes the environmental

24 impact, it does all the regulatory coordination, parks

25 and wildlife, U.S. Fish and Wildlife Service, all the

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Sabine River Authority, all the regulatory agencies that are out there that has to be done. And we get what we call the issuance of the finding and no significant

After we've done that public hearing we'll submit the draft plan to the Texas Water Development Board. They are the ones funding this regional plan. Final regional plan approved hopefully in December of 2001 by the Texas Water Development Board. Also the time in November/December expect to finalize the Sabine County fresh water supply district boundary. We have to provide legal descriptions of that. What that is, and that's a pretty significant statement, is who's in, who's out, who wants to wait a while, et cetera, et cetera.

At that point in time, there will have to be a legal boundary defined, obviously before the elections. We are looking at the petition hearing election through January or February of 2001. Excuse me. That's the time frame that the Judge and the county commissioners' court have come up with. These are the contacts.

This brings us to the point now, Judge, unless you have any or commissioners you have anything I'm going to open it up to questions and answers.

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2 water, SRF, are you talking about the property line to 3 the household? If we're talking about that for water, I can't imagine that being over \$400, depending on the 5 length of how far you are away from the main line. 6 Wastewater side, for that we are talking about on the

installation to each household? Well, the drinking

7 STEP systems, that's included in the cost that we've 8 shown. It wouldn't be a cost per household. We would 9 go ahead and put in a septic tank and a pump and a line.

For a sewer gravity line, all you're 11 talking about is a service line. I would not think that 12 would be much more than \$600. I'm using very high 13 rates. A lot of that would be covered within the cost 14 of, since most, for wastewater side especially, there's 15 not going to be a lot of gravity lines. Relief is such it's just not cost efficient to put in gravity lines and 16 lift stations everywhere. That's why we're talking 17 18 about these small diameter high-pressure lines and/or 19 just using septic tanks.

So -- and again, I'll emphasize receive 20 enough feedback that wastewater doesn't appear to be 21 22 supported. But more importantly, even if it wasn't 23 supported the data could support that there is 24 environmental and there is health or risk to the public, 25 it would probably go ahead and do that. But that data

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JUDGE LEATH: No. I expect we'll get questions from the --

MR. KINDLE: I suspect we will. That's why I wanted to make clear that, of course, one of the obvious questions that comes across is what if we don't participate? Do the rates go up even more because you've lost a certain number of connections. We did a sensitivity analysis, construction cost. If you don't participate we're obviously not going to be doing those improvements. Pay for those improvements. It really does -- really does impact the rates that we have shown.

I will remind you once again, if you have a question please state your name for the record so that Andrea doesn't get after me at the end of the evening. I'll open it up to questions. Yes, sir?

MR. TERRY: Projected installation cost each household?

MR. KINDLE: I'm sorry? Could you state your name for the record.

MR. TERRY: Hiram Terry. El Camino Bay. MR. KINDLE: And your question was? I'm

22 sorry? 23

MR. TERRY: What's the projected cost of

24 installation of each household?

MR. KINDLE: The projected cost of the

and those studies are not conclusive enough to make that 2 recommendation.

Now, areas such as Bronson and McGee's 3 4 Landing, yes. Texas Department of Health went out there 5 and they did their studies and found raw sewage in the ditches coming out from septic tanks, found mosquito 6 larvae that were breeding year round. Raw sewage. 7 8 Would also associate that with gastrointestinal disease and everything else that comes along with that. What you see human waste elevated enough in Toledo Bend along 11 the shoreline which, privately they know it's there but 12 the studies just haven't been done conclusively stating 13 that is a problem at this point in time. Yes, sir? 14 MR. COWGILL: Jerry Cowgill. Back to the 15

water hookup. When you put the water line in you're going to put the tap for the houses that want water. And you're going to run the tap over and you're going to put a meter in. That's going to be the cost of

19 installing. And our expense would just be from the

20 meter to our house? 21

MR. KINDLE: Yes, sir, that's correct. MR. COWGILL: So there would be no cost to

23 me?

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24 MR. KINDLE: No, sir. Yes, sir? 25

MR. NETHERY: Jim Nethery. If we went

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along with this regional water plan would your employer, 2 would we have a waiver from TNRCC about all this stuff 3 that we're under right now, even though this is going to 4 be three or four years down the road before we get this? 5 Will we still have to do --

MR. KINDLE: Well, one of the things I wanted to -- the reason I had Mike make that statement is his study is 2005 I think because, you know, you're eligible for this drinking water SRF for one year. I thought, frankly, if the district is created expect improvements starting within a year. But you have to take a commitment. So that's why what Mike was alluding to is don't take the 2005 as that.

14 But in direct answer to your question, I 15 would say that I can't speak for the TNRCC. If you're taking the steps, the county has created the district. 16 And I think more importantly once the district was 17 created, say the election did pass, well, then I would 18 think you could get an extension over what you've 19 already got before because you're taking the steps, and 20 21 particulary if G-M becomes part of the district. The county has secured, obviously, the funding to take the steps and improvement is being provided, schedule 23 because the funding is in place. Yes, ma'am? 24

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MR. KINDLE: No, it wouldn't. The only 2 thing that you, obviously as a district would be run as 3 a business. We have funding available to do 4 improvements and we have a plan to do those 5 improvements. It really would depend on the funding 6 available because the district also has a decision. 7 They may decide if you want to come in later, they may 8 be in the position of, we really can't afford to do 9 these improvements for you; we don't have the funding 10 available. I'm sorry, you're going to have to fund it yourself, if you need to do those improvements. So 11 12 that's the other side of that coin. The district. 13 Again, it's also their consideration of do they want to 14 take you or not at that point in time, too. 15

MS. MCPHERSON: One other base of that question. I did not hear you mention El Camino Bay as being one of those that would be under a grant; is that correct?

19 MR. KINDLE: That is correct. We did not 20 get enough of a survey response in those areas. We 21 originally had 25 areas identified when we went through 22 the EDAP surveys. Everybody always asks this question. It's my biggest sore point throughout the last nine 23 24 months that I had, was that I had an opportunity to get

25 grant funds for nearly all of these areas. Because we

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Camino Bay. What happens if our subdivision does not decide to go on this county water system initially cost-wise? What would we be looking at if we decided to do it at a later time? Be responsible totally ourselves or could we....

MS. MCPHERSON: Katherine McPherson, El

MR. KINDLE: No, you could come in to the district later through annexation at that point. And again, if improvements were done to El Camino Bay, obviously, depending on where your rates fall it may, you know, you may actually see a reduction on your basin and inquiries. As you've seen, it has a lot of variety.

Most of El Camino Bay and particularly you're talking about interconnect and some improvements, but the wastewater side -- and I think this is a general question, does all the cost go back. If El Camino Bay comes in later and do several thousand dollars' or million dollars' worth of improvements, does El Camino Bay only pay for that? No. That cost is spread across the district to the providers because that is part of the regional -- it really is as a benefit of all and/or a benefit to none. You can't separate that. One, it's against the law if you're going to be a freshwater supply district. Does that answer your question?

MS. MCPHERSON: Basically do not cost us 25 any more to come in now or later?

1 did not get at least a 30 percent response rate 21 of 2 the areas were taken out, were no longer considered. 3 That's just one of the board requirements.

I do know the Judge spent an extensive amount of time from door to door with surveys, hanging surveys on the doors, stamped envelopes, a lot of other things. We just did not get the response from a lot of the majority of the area. Subsequently, any improvements done will be under the loans and not grant funds. Yes, sir?

MR. TERRY: Is there going to be a charge for the main going down the street to the property owners?

MR. KINDLE: No, sir.

14 15 MR. TERRY: No charge for the main? 16 MR. KINDLE: For the main? Just what you 17 get on your monthly rate. Or the water usage that you

18 have. Yes, sir? 19 MR. ILES: I'm Don Iles, city of Hemphill. 20 First, I'd like to thank Mike and Jennifer. They've 21 helped me out a lot. They sent me a lot of information. I know they've worked very hard on this project. I'd be 22 23 asking questions a long time. I want to keep it short

but I've got a few that I think the public should be

25 aware of. ì

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No. 1, the consensus right now with the city council, City of Hemphill, is opt out of joining the district. And after conversations with the mayor of Pineland, Mr. Booker, City of Pineland is going to opt out, preliminary. And did you take into account these cost figures if you lose two such large entities?

MR. KINDLE: Yes, sir, we did. That's what I was saying earlier about that sensitivity analysis, is when you look at that one of the things we wanted to examine is if we lose that large number of connections like that, well, then what does it do to the rates? Will the rates have to go way up or not? Well, it's also because those improvements aren't done. In other words, some of the additional improvements that would be 15 done for the city of Hemphill would be done for the city of Pineland. Those costs you saw in that table would not be done by the district. So then you're taking less debt service and so that keeps your rates about -that's where we came to the sensitivity analysis showing what....

MR. ILES: I don't quite follow that 21 22 because \$12 million of the \$25 million are G-Ms capital 23 expenses. So 50 percent of the capital expense is going to G-M. And if you lose these connections you still 24 have that large capital expenditure so I don't see how

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MR. ILES: Also on the rates, I just want 2 to clear a couple of items up. Your methodology for 3 determining rates on the city of Hemphill on your chart, 4 both the city of Hemphill's average rate per connection 5 and the city of Pineland's was grossly overstated, just 6 about 60 percent, based on actual meter readings, volume 7 of water delivered per volume. Okay. And I wanted to know, though, my question is on the population estimates 9 you're considering about 80 percent growth in the 10 population of Sabine County between now and 2050, I 11 think it runs 77 percent growth, almost double the 12 population. Is that population estimate included in your cost estimates? Are you considering our 13 14 connections to grow that much and if our connections 15 don't grow that much that extra cost has to be passed 16 along to our current residents? 17

MR. KINDLE: Well, Mike, you want to answer that?

19 MR. REEDY: The growth rates are important and what they are, the growth rates of the water 20 21 development board --

UNIDENTIFIED SPEAKER: Can't hear you. MR. REEDY: Yes. We use the same growth rate that the water development board provided in the Region I planning. And I forget the percentage, say, it

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it could not be, you know, pertinent.

MR. KINDLE: I know what you're saying but when we took those off -- and I recognize that as a large cost from G-M but G-M also has a large number of the accounts as well, over 80 percent of the accounting. So it wasn't as sensitive as you might be saying, although it has a larger cost. The other part of that is the majority of the improvements that we're doing is really helped along by the drinking water SRF fund. The interest.

I would be glad for Mike to send you the 11 12 information and/or make it available to the public and 13 obviously we will, once we know who opts out and who will be joining in. Part of the public information for 14 15 the voters to decide on the district is here are your 16 rates, you know, these are the rates that we've established now at this point in time, based on all the 17 18 participants. As we determine who is out and who is in 19 we'll adjust what the proposed improvements are, what debt service would be incurred by the county and the 21 proposed district, and what those rates would be. But I tell you when Mike and I went through it and knocked some of that off, we really did not see a big change. 23 24 Change, yes, but not the huge change that I thought it

was 70 or 80.

MR. ILES: 50-year period about 80 percent growth.

MR. REEDY: We use the same annual growth rate that the water development board used. You're right. If Sabine County doesn't see, you know, that same growth, then the rates over time are going to be different than what -- you're right.

MR. ILES: I didn't know if you'd taken that into consideration. I'll let someone else talk.

MR. KINDLE: No, that's fine. That's a good point. That's always the risk of any improvements you do. You know, the only distinction G-M and Beechwood is they're going to have to do some improvements whether they grow or not, in that respect. And also any time the city does future improvements, they're obviously planning on future growth.

But if we do not give the one percent or whatever that annual growth rate is over the 50 years, obviously, one, you wouldn't do the phase two improvements, which you would have already heard the cost of the phase plan three. And that would still be, that debt service will be paid by the existing customers. Yes, sir. Next question. Yes, sir?

MR. HEUGEL: I'm Bill Heugel. In figuring

would, too.

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the rates did you use the present day graph or was there an escalation?

MR. KINDLE: Did you use the present day factor?

MR. REEDY: Yes.

MR. HEUGEL: The other question is, in our particular area, South Sabine, we have a lot of zero use meters. So when you figure your average cost and you were figuring the average including all those zero use meters, those people that would be actually using water are actually higher rates....

MR. KINDLE: What he's saying is they have a lot of zero use. As I believe when you came up with your average, though, you were counting all the connections?

> MR. REEDY: That's right. MR. KINDLE: Yes, sir?

MR. LINDSEY: I'm Don Lindsey from El Camino Bay. If the City of Hemphill opts not to go into the water district, what's that going to do for that water treatment plant over there at Mid County? Are they still going to do improvement and expansion that it's going to need to take in El Camino Bay?

MR. KINDLE: Well, that's one of the --25 one of the alternatives we examined was putting a water 1 MR. KINDLE: Yes, sir.

2 MR. KIMLER: Why would you -- talking about building possibly a plant in the north area, why would 3 4 you not consider drilling wells over there?

5 MR. KINDLE: For South Sabine area and also we 6 looked at the Region I study, they recommend that

7 groundwater continue for industrial use in some of the

8 areas. Region I did make a recommendation 50-year 9 horizon Sabine should consider converting over to

10 surface water at that time. We are complying with those

11 recommendations within the Region I plan because at some point within the Region I, and I don't think they talk 12

13 about groundwater studies, but it does -- they did do

14 enough, and I know we have one of the regional planning 15 members here to look at that, and it does not appear

16 that groundwater throughout the entire county area is as 17 good quality as in other areas of the county or the

18 quantity available within that. 19

One of the things you would have and one of the biggest considerations of this, what this district creates is, and what I think it does is secures

22 a water supply for the future of the area. We're

23 sitting next to the largest freshwater supply source in

the state of Texas. It's the only one left. Toledo 24 25 Bend is the largest part that is left in the state of

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plant in the older part of the county as well. Wasn't a

lot of cost there between that to some extent. And

3 really, it's a question that I can't answer because if

4 one SRA owns the plant, City of Hemphill operates it. I

5 don't think I want to have access to the 35 percent loan

forgiveness on the drinking water SRF expand the plant.

Of course, G-M is the one that's impacted most by not 8

having a treatment plant. So whether you expand the 9 plant in the city of Hemphill or you do a northern water

10 treatment plant I can't answer that, and I really don't

think Hemphill opting in or out has a great impact on 11

it. I think that's really going to be more of SRAs, 12

13 where they stand and what they want to do as well.

MR. LINDSEY: The cost to expand the plant 15 or the cost to build a new water treatment plant is virtually the same?

MR. KINDLE: What you were doing is at the time we were also including the city of Hemphill as well. No, it costs more to build a new plant but it wasn't substantially different when counted over 30

21 years.

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MR. KIMLER: Randy Kimler.

23 MR. KINDLE: Yes, sir.

MR. KIMLER: You mentioned -- some of the areas 24

25 have wells?

1 Texas, period. It has more available than any other

2 reservoir or any other lake in the state of Texas. What

3 the district can do is secure that water supply for the 4 future growth of Sabine County. I think that's probably

the biggest benefits that I see.

MR. KIMLER: One reason I asked that question because of capital cost of installation, whatever you're going to do and also your operation maintenance cost. Difference in the groundwater --

MR. KINDLE: There is no doubt if you've got good quality groundwater and all of the regulations that are proposed don't come through and groundwater is always going to be more cost effective to treat surface water.

15 MR. KIMLER: One other question. I've got dates for the area, various areas. What are those, 16 prior to the January/February election district-wide? 17 18 Is that what you're calling an opt out/opt in, prior to 19 the election?

> MR. KINDLE: Yes, prior to that. MR. KIMLER: What are those dates?

21 MR. KINDLE: November, December is in or 22

23 out because at that time we'll have, do the legal --

that's the dates I gave the legal boundary. So 24

November, December in and out. And we do the legal.

11 (Pages 38 to 41)

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Page 42
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      Yes, sir.
                                                                        distribution where you've got the lines looped together.
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              MR. KIMLER: Deadline?
                                                                        All right. Next question. Yes, sir?
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              MR. KINDLE: I prefer to do it before
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                                                                                MR. COWGILL: Jerry Cowgill. You had
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      December the 15th. Yes, sir?
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                                                                       mentioned, and I maybe misunderstood, that the treatment
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              MR. ILES: I'd like to make a
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                                                                       plant that we have now for the city of Hemphill is owned
 6
     clarification.
                                                                       by the Sabine River Authority and the City of Hemphill
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           MR. KINDLE: Yes, sir.
                                                                       manages it or operates it.
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           MR. ILES: The city of Hemphill, if we opt out,
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                                                                                MR. KINDLE: Yes, sir.
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     are we just opting out of the centralized management of
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                                                                                MR. COWGILL: Is it a possibility that
     this district? We still have excess capacity in the
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                                                                       Sabine River Authority would build other treatment
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     water plant. We can produce 1.5 million gallons a day.
                                                                       plants and we buy the treated water from them?
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     We're currently producing less than a million gallons a
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                                                                                MR. KINDLE: Yeah, I can't say that Sabine
     day. So in my conversations with Mike, we can still
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                                                                       River Authority would build other treatment plants or
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     provide water to the freshwater district. That's not a
                                                                  14
                                                                       not, but is that a possibility to buy treated water?
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     problem. But I just want to make it clear that we
                                                                  15
     wouldn't be just alone, we could provide capacity to the
16
                                                                  16
                                                                                MR. COWGILL: The other question is, the
17
     freshwater district.
                                                                  17
                                                                       City of Hemphill apparently has a contract with Sabine
                                                                       River Authority. Is that being operated now?
18
              MR. KINDLE: That's an important point.
                                                                  18
19
    I'm glad you brought that up. I do want to make --
                                                                  19
                                                                                MR. KINDLE: Yes.
     there's a lot of relations that exist in the district.
20
                                                                  20
                                                                                MR. COWGILL: How long is that contract
21
     You're in or you're out of the district. Our human
                                                                  21
                                                                       good for?
     nature is if you're out you must be opposed to it.
                                                                  22
                                                                                MR. REEDY: Through 2030.
23
     There's a lot of different relationships between the
                                                                  23
                                                                                MR. COWGILL: 2030.
     district and a lot of the cities and part of the
24
                                                                  24
                                                                                JUDGE LEATH: Let me say this.
25
     district. But what it does do is it helps support the
                                                                  25
                                                                                MR. KINDLE: Yes, sir.
                                                       Page 43
                                                                                                                         Page 45
 1
     other areas. There can be interconnects with a
                                                                   1
                                                                               JUDGE LEATH: Sabine River Authority has
                                                                      been approached with the proposal to build an additional
 2
     wholesale meter between the district and South Sabine or
 3
     an interconnect done between the city of Hemphill and
                                                                      treatment plant on the north end of the county. At this
     the treated water provided to the district in those
 4
                                                                   4
                                                                      point they have not answered it, and they couldn't be
 5
     areas.
                                                                   5
                                                                      here tonight. I don't think he would be able to answer
             What the district is trying to do is
                                                                      it even if he were here. But that proposal has been
6
                                                                   6
 7
     secure, supply water and also supply economy of scale
                                                                   7
                                                                      made.
 8
     with water distribution improvements. Because fact of
                                                                   8
                                                                               MR. LINDSEY: Lindsey again. Would you go
9
     the matter is for G-M and Beechwood, they do not meet
                                                                   9
                                                                      over one more time -- Mr. Terry asked the question, how
10
     the TNRCC requirements for treatment capacity or
                                                                  10
                                                                      much is it going to cost for each individual subscriber
11
     distribution of water or for the storage of water,
                                                                  11
                                                                      to tie on to the water district when they get it in
                                                                      place and I understood it was $400 for this district.
12
     period. Cost and improve those. G-M doing it on their
                                                                  12
13
    own or through the creation or being part of the
                                                                  13
                                                                               MR. KINDLE: Well, I was using an
14
     district. G-M I will flat out tell you is I think
                                                                  14
                                                                      estimate. Whatever your cost for your PVC line, putting
15
    critical if they're in and out of the district because
                                                                  15
                                                                      a meter to your household.
16
    they cover the largest majority of the county.
                                                                  16
                                                                               MR. LINDSEY: What if it's already there?
17
             But what I want to emphasize is, there's a
                                                                  17
                                                                               MR. KINDLE: If it's already there, it's
18
    lot of different contracts between districts, a lot of
                                                                  18
                                                                      not going to cost you anything.
```

different relationships between cities and water supply

corporations. What you want to try to get to is where

everybody has a second source of water at some point.

access to another route of water, whether that be

interconnect and future improvement for water

through another entity or whether it be through an

That way, if your groundwater goes out you've got some

19

20

21

22

23

24

19

20 in?

21

22

23 24

25

MR. LINDSEY: Okay. Just set the meter

MS. MCPHERSON: Pauline McPherson, El

Camino Bay. Would you know prior to the election which

MR. KINDLE: Yes. Yes. ma'am?

loan you're going to be able to get as far as rate

interest since that 10 percent and that zero percent

Page 48

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Page 46
    makes quite a difference.
 2
             MR. KINDLE: Yes, we will.
 3
             MS. MCPHERSON: And that will be made
 4
    public?
 5
             MR. KINDLE: Yes, ma'am.
 6
             MS. MCPHERSON: One other question. What
    happens to our preexisting water treatment plant? Is
 8
    that just -- becomes obselete, or will that be used as a
9
    backup?
10
             MR. KINDLE: It will probably be used as a
11
    backup if it meets the requirements and still operating.
    Are you talking about if you join the district, what
12
    happens to the existing facilities? It becomes part of
13
14 the district. Would they continue to operate? It's
15 hard for me to answer because I don't know. If we do an
16 interconnect and continue to keep the plant operating
17
    they may want to continue operating it as a backup, like
18
    you said, or maintain the pressures up within that area
19
    or may want to mothball it and keep it for future. I
20
    really can't answer that, that part of it.
21
          MR. LINDSEY: Let me ask you one other and then
22
    I'll be through.
23
          MR. KINDLE: Yes, sir.
24
          MR. LINDSEY: Are you on a time schedule now
25
    for these meetings for October, November and December
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solutions to those problems. If the county, the city or
2
    district or whoever so wishes to be, at least if there
3
    are some problems thought out, some costs applied to
4
    that and also some very good data, analysis and exhibits
5
    and maps done. And also last but not least, a water
6
    model for the entire county that's available through
7
    this planning effort. Yes, sir?
8
             MR. OWENS: Wayne Owens. Would a copy of
9
    this document here, study plan or whatever, be made
10
    available to the public or perhaps put one in the
11
    library or --
12
             MR. KINDLE: I'm glad you asked that. It
13
    will be. It will not be right now. We want to get
14
    their comments first, obviously. The plan participants
15
    are going to get to look at it. When we send it to the
16
    water development board for their review and comment,
    both the environmental information document and this
17
18
    document will be available at the library for the
19
    public. Yes, sir?
20
             MR. ENGELHARDT: Chad Engelhardt. In the
21
    four areas that the EDAP funds are available, doesn't
    EDAP funds make everyone that's in that area, doesn't it
22
23
    make it mandatory for all of them to hook up? And do
24
    you have in those areas, do you have any specific
```

Page 47

25

```
with the election being definite sometime in January or
 2
    February?
 3
             MR. KINDLE: Definite in February. If I
    don't hear it in February, they're going -- you probably
    won't see me again. I'll put it that way.
 5
 6
             MR. LINDSEY: I mean, --
 7
             MR. KINDLE: Well, when I say that, this
    is actually for the regional planning. That's why I
 8
    want to make the distinction. This meeting that we're
 9
10
    having tonight with the court reporter is our next to
    the last meeting as far as the regional plan. The last
11
12
    one will be the environmental information document and
    we're required under the national environmental policy
13
    act to have one public hearing advertised 30 days in
14
15
    advance and have a court reporter. That meeting in
    October will be the last meeting as far as regional
16
17
    planning effort. After that, this plan goes to the
18
    Texas Water Development Board, they review and comment
19
    and we have it finalized. That's why I wanted to make
20
    that distinction.
             This is completely separate in some
21
22
    respects from the creation of a district. The district
    is getting into who is in or who is out. What this
23
    provides (pointing) hopefully where the money is, one of
24
```

the problems identified in the framework to implement

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Page 49
    be put in or if they're not there now where they're
 1
 2
    going to be located?
3
             MR. KINDLE: The water plants or the
4
    wastewater plants?
 5
             MR. ENGELHARDT: Wastewater.
6
             MR. KINDLE: Yeah, the wastewater plants
7
    we do, because that's actually part of the regional
8
    plan. Now, one of the things that I would like to see,
9
    obviously, we use all the grant funds but that's going
10
    to be a consideration by the county, too, since they are
11
    the applicant, will they get a lot of resistance. I'll
12
    say from the Bronson surveys, the McGee Landing surveys
13
    was probably 80 percent overwhelming in support of
14
    wastewater improvements. But again, that total survey
15
    might represent maybe 35 or 40 percent of the entire
16
    area.
17
             If you don't see the support for that and,
18
    you know, the county made their own decision from the
```

locations that the water treatment plants are going to

engineering recommendation and from a health recommendation based on the studies that were done by the Texas Department of Health.

MR. ENGLEHARDT: Maybe I missed something. As far as the -- as far as the tie-ins on the wastewater --

MR. KINDLE: It is madatory, yes, sir.

13 (Pages 46 to 49)

19

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21

22

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Page 50
                                                                                                                     Page 52
             MR. ENGLEHARDT: It is mandatory any time
                                                                             MR. KINDLE: Yeah. Mike mentioned the
    EDAP funds are involved?
 2
                                                                 2
                                                                    2 percent -- it's not the 2 percent that makes the big
                                                                    difference. It's 35 percent loan forgiveness that makes
 3
             MR. KINDLE: Yes, sir. They have to pass
                                                                3
 4
     what they call a mandatory program.
                                                                 4
                                                                    a big difference.
 5
             JUDGE LEATH: That would only be effective
                                                                 5
                                                                             MR. KIMLER: I assume this is -- I'm
    if they were getting the water?
 6
                                                                 6
                                                                    looking at here, looks like to me $20 currently to 22 --
             MR. KINDLE: Yes, sir. It's only
 7
                                                                7
                                                                    30. Projected.
    effective if you use the EDAP funds and only for the
                                                                8
 8
                                                                             MR. KINDLE: Yeah. Is there a question in
    EDAP areas. In other words --
                                                                9
 9
                                                                    there?
             JUDGE LEATH: Within, say, within the EDAP
10
                                                               10
                                                                             MR. KIMLER: Well, I'm assuming I'm
    area like Bronson, if they were not using the district
                                                                    looking at this correctly.
11
                                                               11
                                                                             MR. KINDLE: Yes, sir. Yeah, I believe it
    water they would not be required to hook on to the
12
                                                               12
                                                                    is, sir. I don't have it in front of me but if that's
13
    wastewater?
                                                               13
             MR. ENGLEHARDT: Well, the EDAP -- isn't
14
                                                               14
                                                                    what the graph is showing, yes, sir,
    EDAP strictly on the wastewater anyway?
15
                                                               15
                                                                             MR. KIMLER: Maybe I'll get with you
             MR. KINDLE: You have EDAP funds for water
                                                               16
                                                                    afterwards.
16
17
    as well.
                                                               17
                                                                             MR. KINDLE: That would be fine. Anybody
             MR. ENGLEHARDT: Okay.
18
                                                               18
                                                                    else? Judge, commissioners, anything else?
             MR. KINDLE: Most of the time -
                                                               19
                                                                             JUDGE LEATH: Well, I don't have anything
19
            MR. ENGLEHARDT: But if the county
                                                               20
                                                                    and, once again, I appreciate everyone coming. I hope
20
    receives EDAP funds for wastewater in that specific
                                                                    you will take these things the plant participants or the
21
                                                               21
                                                               22
                                                                    projected participants, take the information with you
22
            MR. KINDLE: In that specific area. You
                                                               23
23
                                                                    tonight, study it carefully so that you can go back to
    are required to hook up.
                                                               24
                                                                    the people that will make the decision for your
24
            MR. ENGLEHARDT: Mandatory for them to
                                                                    particular water supply corporation and they can take a
25
                                                     Page 51
                                                                                                                    Page 53
                                                                    good hard look at it and make a good informed decision,
    hook up?
            MR. KINDLE: Yes, sir. And the same for
                                                                    because we do have to make the decision of who's in and
2
                                                                2
3
    water, too, although water is usually not an issue.
                                                                3
                                                                    who's out, if that's the proper terminology, by around
    Most everybody -- water is usually not the big issue but
                                                                4
                                                                   December 15th. And you will need all the information
    wastewater is. But that's just one of the rules. If
                                                                5
                                                                   you can get in order to make that decision.
5
    you want a 100 percent grant funds or --
                                                                            Thanks again for coming. If no one else
                                                                6
6
7
            MR. ENGLEHARDT: Did you say you do have
                                                                7
                                                                   has anything, we'll stand adjourned.
    specific areas where these wastewater plants --
8
                                                                8
                                                                            MR. KINDLE: Please sign in. If you have
            MR. KINDLE: Yes, we do. That would be
                                                                    not signed in, Ms. Jennifer Elms is in the back.
9
                                                                9
    part of the environmental information document that will
                                                               10
                                                                            (Proceedings concluded at 8:17 p.m.)
10
    be shown in the next month's hearing.
                                                               11
11
            MR. ENGLEHARDT: Do you have any at this
                                                               12
12
    point in time?
                                                               13
13
            MR. KINDLE: I have it at this point in
                                                               14
14
    time, but I want to be able to review and comment before
                                                               15
15
    I give it to the public.
                                                               16
16
            JUDGE LEATH: It will be available at the
                                                               17
17
```

Yes, sir?

October meeting?

MR. KINDLE: Yes, sir. Anybody else?

would vary between \$2 to \$30 based on what type of loan.

your charts, bill for about 6,000 gallons in El Camino

Bay, \$20 right now based on your chart. And 2005 it

25 I mean, looking at your information I'm --

MR. KIMLER: Randy Kimler. Looking at

18 19

20

21

22

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| | Page 54 | |
|----------|--|--|
| 1 | CERTIFICATE OF REPORTER | |
| 2 | | |
| 3 | | |
| 4 | I, Andrea K. Simmons, CSR, for the State of Texas, | |
| 5 | do hereby certify that the foregoing transcript is a | |
| 6 | true, accurate, and complete record. | |
| 7 | I further certify that I am neither related to nor | |
| 8 | counsel for any party to the cause pending or | |
| 9 | interested in the events thereof. | |
| 10 | | |
| 11
12 | | |
| 13 | | |
| 14 | October, 2001 | |
| 15 | | |
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| 17 | | |
| 18 | Andrea K. Simmons, CSR | |
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Sabine County Regional Planning Public Hearing September 27, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | | Affiliation | Address | Phone |
|-----------------|-----------|------------------|---------------------------|--------------|
| 1601 | tong | | PUBOX 1519, Hem shill Two | 409 787 3443 |
| 405 | sene | | 118 Bay share | 2872060 |
| Kirly (| Jimans | | 103 Lapreview Dr | 787-2339 |
| WBO | Ce Cus | | Rt. Box 1501-D Hendrice | 6254137 |
| Homer 1 | P. Taylor | | HCL BX 680 Aunpland | 579-4065 |
| RL BIGGERS | TAFF | | HCG BOX 678 HEMPHILL TX | 5793953 |
| Paulin | Mythan | | P.O Bay 635 Henrichell TX | 787-4498 |
| $ \mathcal{L} $ | efhuso | | P.O. Box 635 Hemphil 7x | 787 4488 |
| Chad M | 1/22 | 6-MWateR | Po Box 727 Hemphill tr | 787 - 2755 |
| Mel Kin | | G-MWATER | P.O Box 92 Henry lultx | 5792219 |
| Jack 1 | dans | | 102 Onerloop Ch Temp. | 787-7457 |
| IL L La | nyford | | 145 Bineties In Hempfiell | 187-2432 |
| Bill He | ugel | 95W50_ | HC 6 Bex 828 Hamphill | 579-3525 |
| Wan I | lee | CITY OF HEMPHILL | P.O. BOX 788 HEMPHILL | 787-2251 |
| | | | | |

Sabine County Regional Planning Public Hearing September 27, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name/ | | Affiliation | Address | Phone |
|------------|----------------|---------------------|---|--------------|
| Xeury. | Bartlett | El Camrio Bay | 116 BAYSHORE DR | 409-787-2543 |
| Rande | Kimler | El Camino Bay | 1045. Shore Dr. | 409784-0422 |
| Bill 9 kg | er | FL CAMINO BAY | 137 PINETREE LN | 409 787-3997 |
| Charles 91 | Danda Encelish | 210 Oak Leaf Circle | 137 PINETREE LN
Hemphill 210 Ook Leaf Civila | 409 787-3781 |
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Sabine County Regional Planning Public Hearing September 27, 2001 7:00 p.m. County Courthouse, Hemphill Texas

| Name | Affiliation MOTT RD | Address 13thurst | Phone |
|----------------------|---------------------|----------------------------|--------------|
| B. CHED ENCELHARDT | PROPERTY CIMER | 1 3280 BILL BAKS BUD | 4097822299 |
| | C-1 CALLINO BAY | | 757-3728 |
| Heram Terry | Clamino Beg | | |
| Donald B. Smith | | HC4-BOX 550 A Hemphill | 409-579-4083 |
| Donald W. Smith | Oak Ridge | H.C.L Box 825 | 409-579-4126 |
| Ecy Erelin | OAK Ridge | HC & B B04829 Hamphill | 409-5-794293 |
| Dick + Stady Wester, | Property OUNER | 101 Riverbend Dr. Hemphill | 409-787-3242 |
| MAURICE PATTERSON | SOUTH SABINE | HC52 BOX 930 HEMPHILL | 409 579 3947 |
| John Booker | Pineland | City of Pineland | 409-584-2851 |
| JERRY &SISAN COW9,11 | GMESTELL | P.O. Box 264 HenpHill | 405-787-4333 |
| LOE ELEAH GOODSON | | RT4 BOX 687 Hempfull | 409-787-1947 |
| Jih Nethon | EMUL | Rt1 Bx 1770 " | 625-4869 |
| 1 | GMW | HCR 1 Buy 190 Milam | 625-3284 |
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TEXAS WATER DEVELOPMENT BOARD



William B. Madden, Chairman Jack Hunt, Member Noc Fernández, Member

Craig D. Pedersen

Executive Administrator

Wales H. Madden, Jr., Vice-Chairman William W. Meadows, Member

January 10, 2002

The Honorable Jack H. Leath County Judge, Sabine County P.O. Box 716 Hemphill, TX 75948

Re:

Regional Facility Planning Grant Contract Between Sabine County, (County) and the Texas Water Development Board (Board), TWDB Contract No. 2001-483-372, Draft Report Comments

Dear Judge Leath:

Staff members of the Texas Water Development Board have completed a review of the draft report under TWDB Contract No. 2001-483-372. Board staff has determined that the Environmental Information Document (EID) "Task C" was not included with delivery of the draft final report. The EID must be submitted for review prior to the final report delivery. As stated in the above referenced contract, the County will consider incorporating comments from the EXECUTIVE ADMINISTRATOR shown in Attachment 1 and other commentors on the draft final report into a final report. The County must include a copy of the EXECUTIVE ADMINISTRATOR's comments in the final report.

After the EID has been accepted, you will be required to submit one (1) electronic copy, one (1) unbound single-sided camera-ready original, and nine (9) bound double-sided copies of the final report on this study. Please contact Mr. Bill Roberts at (512) 936-0853 if you have any questions about the Board's comments.

Sincerely,

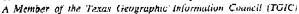
Tommy Knowles, Ph.D., P.E. Deputy Executive Administrator

Office of Planning

cc: B

Bill Roberts, TWDB

Our Mission





ATTACHMENT 1

TEXAS WATER DEVELOPMENT BOARD Review of the Draft Final Report: Contract No. 2001-483-372

"Sabine County Regional Water and Wastewater Facilities Plan"

- 1. Page 3 of the report correctly cites the TWDB approved population for 2000 for the Cities of Hemphill and Pineland. In the paragraph following those population estimates the report incorrectly cites the basin names for the two river basins in Sabine County. The report cites the Sabine River Basin correctly, however the other basin is cited as the "Angelina-Neches River Basin". TWDB uses standardized terminology for river basins and the basin cited is not in that list. Please use the correct reference for the basin, which is "Neches River Basin".
- 2. The water quality determinations made for the Senate Bill 1 Regional Planning Area (Task A, 3) and an Environmental Information Document (EID) were not provided as required by Task C. Please provide the water quality determinations made for Regional Planning Area
- 3. Page 34, Beechwood/South Sabine Planning Area, the Plan indicates that a Wastewater Treatment Plant (WWTP) would be located in the western portions of the planning area near the Shawnee Shores and Holiday Forest subdivisions. The TWDB is currently financing a conventional WWTP for the Shawnee Shores and Holiday Forest area under a Brookeland Fresh Water Supply District (FWSD) Economically Distressed Area Program (EDAP) Project, so the project listed for the Shawnee Shores and Holiday Forest subdivision is not necessary. Please update Table 6.6 and any other information relating to this project.
- 4. Page 76, Table 10.5, Financial Model Assumptions, and the Interest Rate for Debt Service will be approximately 3.30%, not 0% to 2%. Please amend Table 10.7, Table 10.9, Table 10.10, Table 10.12, and any other Financial Information relating to this interest rate.

300 E. Nolana Łoop Pharr, Texas 785*77* Tel: (956) 781-6991 Fax: (956) 781-6986

Engineers • Planners • Project Managers

February 13, 2002

TC&B Job No. 48-06035-002 Sabine County Regional Water and Wastewater Planning

Dr. Tommy Knowles, Ph.D., P.E. Deputy Executive Administrator Texas Water Development Board 1700 North Congress Avenue P.O. Box 13231 Austin, Texas 78711-3231

Re: Sabine County Regional Water and Wastewater Facilities Plan Response to Comments to the Draft Report TWDB Contract No. 2001-483-372

Dear Dr. Knowles:

We have received your letter dated January 10, 2002 and offer the following responses to comments made in regard to the above reference document.

- 1) The basin cited as the Angelina-Neches River Basin (Page 3 of Draft Final Report) has been correctly identified as the Neches River Basin in the Final Report document.
- 2) Additional information regarding the water quality of the water supply for Sabine County has been added to the report text. See page 10 of Final Report. Also, three copies of the Environmental Information Document, corresponding to the Facilities Plan, were submitted under separate cover on October 26, 2001 to Jose Rodriguez, P.E. of the TWDB. Our understanding is that Mr. Danny Fox reviewed the documents.
- 3) The wastewater treatment plant proposed for the Shawnee Shores and Holiday Forest subdivisions has been removed from the facilities plan. Corresponding text, tables, and cost estimates have been revised to reflect such. Please see Sections 6.0 and 8.0.
- 4) Cost tables and financial assumptions have been revised to reflect the that the interest rate for debt service will be approximately 3.3%, rather than the 0 to 2% previously assumed.

Turner Collie & Braden Inc.

Mr. Tommy Knowles, Ph.D., P.E. February 13, 2002 Page 2

With these revisions, and responses to other public comments received during public participation events, we respectfully submit these nine hard copies of the Final - Sabine County Regional Water and Wastewater Facilities Plan in addition to the electronic and camera-ready format versions of the Final Report per the scope of services outlined in the agreement between the TWDB and Sabine County.

Should you or your staff have any additional concerns, please contact me at (956) 781-6991 or Mike Reedy at (713) 267-3127.

Respectfully,

Keith P. Kindle, P.E. Principal/Project Director

Michael V. Reedy, P.F.

Senior Project Manager

Hemphill, Texas 75948

Jack H. Leath, County Judge

Commissioners

Keith Clark Lynn Smith Doyle Dickerson Gene Nethery

Precinct #1 Precinct #2 Precinct #3 Precinct #4

October 11, 2001

RE: Comments to Preliminary Draft of Sabine County Regional Water and Wastewater Facilities Plan

Mr. Michael V. Reedy, P.E. Senior Project Manager Turner Collie & Braden, Inc. P.O. Box 130089 Houston, TX 77219-0089

Dear Mike,

Pursuant to your request of October 4, and our telecom late last week, I wish to make the following observations concerning the draft report.

- 1. The design criteria seems to be lacking. There is little discussion on what the completed facilities will likely look like. We must address dead end line issues. That seems to be one of the most significant contributions to poor water quality presently.
- 2. It currently appears that the new district may only include GM, El Camino and maybe Frontier Park. If that is true then we need to be sure of the financial impact that will cause. There remains the possibility of Beechwood becoming part of the district. If they choose to do so, then the financial impact of adding Beechwood with and without the currently planned treatment facility should be included.
- 3. More discussion among all interested parties concerning the other cost along with debt service needs to be had prior to our acceptance of your first report. As an example, it simply doesn't look right if \$ 25.00 / month minimum bill is now required, without debt service, and a number in the low 30's with debt service. I do not believe we have adequately identified all cost associated with the new district.
- 4. We need information concerning preliminary scheduling. How much engineering lead time, status of when construction could begin, what type and size of packaging of contracts etc. The locals will want to see dirt moved quickly if they vote this issue up. We need to be able to discuss a realistic time frame with them.

Thank you for giving me the opportunity to comment. Your attention to my points will be appreciated.

Best regards.

R. G. Nethery

Commissioner Pct. 4

GN/cc

TurnerCollie@Braden Inc.

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February 13, 2002

TC&B Job No. 48-06035-002 Sabine County Regional Water and Wastewater Planning

Mr. R. G. Nethery Commissioner Precinct 4 Sabine County P.O. Box 720 Hemphill, Texas 75948

Re: Response to Comments to the Draft Regional Facilities Plan

Commissioner Nethery:

Thank you for providing comments to the Preliminary Draft of the Sabine County Regional Water and Wastewater Facilities Plan. It is our intention that the following responses will adequately address the concerns you have raised.

- 1) The purpose of the Regional facilities Plan was to analyze the water and wastewater infrastructure needs in Sabine County and to make recommendations for long-term improvements based on planning level study criteria. Relative sizes and locations of treatment facilities have been provided in the study. However, detailed information concerning individual facilities will be addressed during Preliminary Engineering Design. Due to the configuration of existing water facilities in Sabine County it is neither currently feasible nor cost effective to provide the water lines necessary to alleviate dead end lines. Dead end lines will need to be addressed by the District through operation and maintenance practices such as a routine scheduled flushing program.
- 2) The scope of work approved by the Texas Water Development Board included the requirement for planning improvements for all planning participants. A detailed analysis of the financial impacts associated with one or more entities not participating in a newly formed district was not part of this scope of work. While we agree that this analysis should be performed prior to the creation of a district and the establishment of projected rates, this analysis should be performed independent of this report.
- 3) Capital costs were estimated based on our experience related to water and wastewater infrastructure costs in Texas as well as information obtained from Engineering News Record (ENR). Operations and maintenance costs were estimated based on a review of

Turner Collie & Braden Inc.

Mr. R. G. Nethery January 15, 2002 Page 2

annual financial reports from municipalities and water supply corporations in Sabine County. The primary reason that significant debt service is projected to be paid at a relatively low rate structure is due to the assumption that all entities included in the analysis contribute. The inclusion of all entities in a district allows for the financing of debt service to be spread among a much larger customer base and therefore reducing individual service rates. However, as stated earlier, an analysis of the required rates for one or more parties participating in the creation of the district and the revised capital and O&M costs should be done separately from this planning effort.

4) The Regional Facilities Plan provides for two phases of construction for water improvements and three phases for wastewater improvements. The general schedule outlined in the report identifies initial construction taking place between 2003 and 2007 for water improvements with a second phase of improvements between 2025 and 2030. Wastewater improvements are identified for construction using the same time frames as water improvements with the exception that an additional phase of construction is identified between 2015 and 2020 for wastewater improvements. While we agree that additional scheduling and planning for construction activities needs to be performed for specific improvements that are funded, it is beyond the scope of work for this planning study and should be performed independent of this report.

Thank you again for taking time to take part in this public participation effort. Your comments are appreciated and we hope that we have adequately addressed your concerns. Should you have any additional concerns please contact me at 956-781-6991 or Mike Reedy at 713-267-3127

Respectfully.

Keith P. Kindle, P

Tioject Director

Michael V. Reedy, P.E.

Senior Project Manager

G-M WATER SUPPLY CORPORATION

P. O. BOX 727 HEMPHILL, TEXAS 75948-0727 PHONE: (409) 787-2755 FAX: (409) 787-2780

OCTOBER 22, 2001

TURNER, COLLIE & BRADEN INC. PO BOX 130089 HOUSTON, TX 77219-0089

ATTN: MICHAEL REEDY, P.E.

I WOULD LIKE TO THANK TURNER, COLLIE & BRADEN FOR THE HARD WORK PUT IN TO THE REGIONAL WATER PLANNING STUDY. G-M WATER SUPPLY WILL APPRECIATE ANY KIND OF HELP THAT WE CAN GET FINANCIALLY AS WELL AS UPGRADING THE QUALITY OF OUR SYSTEM.

I WOULD LIKE YOUR GROUP TO KNOW THAT G-M WATER NOT ONLY RUNS THE LARGEST WATER SUPPLY WITH THE SMALLEST NUMBER OF OPERATORS IN THIS REGION BUT HAS THE CAPABILITY OF RUNNING A SURFACE TREATMENT PLANT AND PROCESS SUPERIOR QUALITY WATER. G-M ALSO HAS THE EXPERIENCE AND CAPABILITY OF OPERATING A WASTEWATER FACILITY.

WE ARE READY TO MOVE FORWARD WITH THIS AND HELP IN ANY WAY POSSIBLE.

IF YOU HAVE ANY OUESTIONS OR COMMENTS, PLEASE CALL ME AT 409-787-2755.

THANK YOU.

MARK KIRKPATRICK GENERAL MANAGER

TurnerCollie&Braden Inc.

Engineers • Planners • Project Managers

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February 13, 2002

TC&B Job No. 48-06035-002 Sabine County Regional Water and Wastewater Planning

Mr. Mark Kirkpatrick General Manager G-M Water Supply Corporation P.O. Box 727 Hemphill, Texas 75948

Re: Comments to the Preliminary Draft for the Sabine County Regional Water and Wastewater Facilities Plan

Dear Mr. Kirkpatrick:

Thank you for providing comments to the Sabine County Regional Water and Wastewater Facilities Plan and the planning effort on behalf of G-M Water Supply Corporation. Your time and interest throughout this project has helped in the development of a comprehensive long-range plan to provide a safe and adequate water supply and improved wastewater service to the people of Sabine County.

If you have any additional concerns, please contact me at 956-781-6991 or Mike Reedy at 713-267-3127.

Respectfully,

Keith P. Kindle, P.E.

Project Director

Michael V. Reedy, P.E.,

Senior Project Manger

October 18, 2001

Jennifer L. Elms Turner Collie & Braden, Inc. P.O. Box 130089 Houston, Texas 77219

Dear Ms. Elms;

This correspondence is in reference to our recent conversation concerning the TC &B Inc., draft regional water plan for Sabine County. This will document the discrepancies in the plan that will need to be corrected, with regard to the El Camino Bay subdivision. Our water system operator, Bill Kyser, brought these to my attention.

First, I want to note that the report states that the system has 112 customers while, as of October 1, 2001, it actually has 118 customers. Next, all four of the dead-end lines shown on the existing water facilities map end in one-inch lines. The map shows that only two of the lines end with one-inch lines, rather than all four. One final change needed is that the placement of the two-inch line shown running north of Pine Tree Lane. This line actually runs behind the lots facing Pinetree Lane and Hillside Drive. (This line is a fifth dead-end line but does not end in a one-inch line section.)

Thank you for giving us an opportunity to ensure the accuracy of the water plan. You have been most helpful.

Randy Kimler

Sincerely.

Randy Kimler Vice President

El Camino Bay Homeowners Association

2044 Llano Street

Port Neches, TX 77651



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February 13, 2002

TC&B Job No. 48-06035-002 Sabine County Regional Water and Wastewater Planning

Mr. Randy Kimler Vice-President El Camino Bay Homeowners Association 2044 Llano Street Port Neches, Texas 77651

Re: Comments to the Sabine County Regional Water and Wastewater Facilities Plan

Dear Mr. Kimler:

Thank you for providing comments to the Sabine County Regional Water and Wastewater Facilities Plan - Preliminary Draft. It is our intention that the following responses will adequately address the concerns you have raised.

All planning level models were developed with information that was received from the individual water supply companies in December 2000. While we understand that the number of customers and connections will vary, baseline data was used in the plan formation. Secondly, in the transition from hard-copy maps to Geographic Information Systems (GIS), a number of maps were unreadable and the best engineering judgement was used. We have corrected the line sizes of concern and moved the line running behind Pine Tree Lane lots in order to best represent actual conditions.

Thank you again for taking time to take part in this public participation effort. Your comments are appreciated and we hope that we have adequately addressed your concerns. Should you have addition concerns, please contact me at 956-781-6991 or Mike Reedy at 713-267-3127.

Respectfully

-Keith P. Kindle, P.E.

Project Director

Michael V. Reedy, P.E

Senior Project Manager

South Sabine WSC HC 52 Box 935 Hemphill, TX 75948

12 October, 2001

Turner Collie & Braden Inc. PO Box 130089 Houston, TX 77219-0089

Attention Michael V. Reedy, PE

Re: Comments to the Preliminary Draft of the Sabine County Regional Water and Wastewater Facilities Plan

Deer Mr. Reedy

We have reviewed the referenced document. We feel the proposed system does not consider several factors and has resulted in an overdesign. The effect of this overdesign is a significant cost associated with the South Sabine System. We did not review the wastewater sections and the water sections associated with other companies. We believe a meeting is necessary to discuss the system and resolve any differences. We particularly feel that a range of system solutions and associated cost range is necessary.

Specific comments:

- South Sabine is a ground water based system. We feel solutions considering additional ground water should be considered.
- 2. South Sabine is presently operating under a waiver of .3 GPM per meter. We see no reason why this should change in the future. In fact discussions with TWDB personnel have indicated that there is a relaxing of the .6 for many companies that can show the data to indicated their capability to supply water to the members. We believe the .3 GPM requirement should be considered in the analysis.
- 3. Our present pumping capability is 270 GPM. Not the 490 GPM which has been indicated in the report.
- 4. The Gulf Coast Aquifer is used to provide water for both of our wells and is anticipated to be used for future wells. There is no mention in the report of this aquifer for supplying Sabine County. The Region I planning group has been informed of the error in their data.
- 5. Table 6.1 seems to overstate the peak requirement for the system. We do not believe the 3.9 peaking factor is appropriate. A review of the maximum daily load for the system in the past three years is significantly less than the estimated value. Perhaps a statistical method or selection of the actual peak values would be more appropriate.
- 6. Page 19 lists the TNRCC criteria of 35 PSI during the peak load as well as the additional design criteria based on the velocity. While the design criteria listed in items 3&4 might be of value for a new system we feel it is excessive and represents a maximum cost. The South Sabine System should be evaluated based on the 35 PSI solution to indicate the minimum requirement.
- 7. We believe the velocity and head loss of the existing South Sabine system is within the defined criteria presented as items 3 &4 on page 19. We would like to review the pressure drop

South Sabine WSC HC 52 Box 935 Hemphill, TX 75948

profiles and the velocity profiles as well as the information used for friction factors and Reynolds numbers.

- 8. We have not been able to find Appendix C.
- 9. The construction costs shown in Appendix D appears to be high based on some of our recent projects.
- 10. The report does not consider Shawnee Shores and Holiday Forest subdivisions. These are in the southern part of the county and would most likely be supplied by water from the Beechwood or South Sabine.

Our opinion is that a range of options should be provided. We believe the proposed system represents the top of the line and we should have information on a more moderate system design. We believe a meeting to discuss some of the details identified above would help all concerned.

If our assumptions about the minimal system are correct it may have a major impact on the overall cost to the other water companies if South Sabine is not a part of the district. This also raises some questions about the requirements and costs applied to the other company systems.

If you have you would like to discuss the issues we have raised, please call us at 409-579-4185 or 409-579-3525

Sincerely,

Vice President

South Sabine WSC

CC Judge Jack Leath

Commissioner Lynn Smith

Commissioner Gene Nethery

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February 13, 2002

TC&B Job No. 48-06035-002 Sabine County Regional Water and Wastewater Planning

Mr. W.F. Heugel Vice-President South Sabine Water Supply Corporation HC 52 Box 935 Hemphill, Texas 75948

Re: Comments to the Sabine County Regional Water and Wastewater Facilities Plan - Preliminary Draft

Dear Mr. Heugel:

Thank you for providing comments on the Sabine County Regional Water and Wastewater Facilities Plan - Preliminary Draft. The planning team appreciates you time and effort in reviewing the document and providing comments. The following paragraphs respond to the issues you have raised and will hopefully address your concerns.

- 1) We recognize that groundwater is a significant source of water for Sabine County, however, in accordance with the recommendations and planning conclusions from the effort of the East Texas Regional Water Planning Group, the Regional Plan concluded that ground water from minor aquifers should not be relied upon as a sustainable supply source for municipal water. While some groundwater supply in Sabine County is provided by major aquifers, the majority of wells currently used are from minor aquifer systems. Senate Bill 1 requires that all future water planning be done within the confines of recommendations and conclusions from the regional planning efforts. Therefore, in accordance with the East Texas Regional Plan, Sabine County planning was based on a conversion from ground water dependence to surface water sources to meet long-term municipal water demands.
- 2) Current regulations of the Texas Natural Resource Conservation Commission (TNRCC) require a minimum of 0.60 gallons per minute (gpm) per connection for public drinking water systems. As you have stated, there are requirements in the rules for requesting a waiver to this regulation, based on back-up power facilities (i.e., generator) and other requirements. While we understand the variances are sometimes granted, it is our understanding that this waiver is subject to change at any time based on the discretion of the TNRCC. The Regional Facilities Plan prepared for Sabine

Turner Collie & Braden Inc.

Mr. W.F. Heugel February 13, 2002 Page 2

County addresses water supply for a 50-year period. The purpose of the planning effort is to provide a safe and secure long-term water supply for Sabine County based on current regulations and sound engineering judgement. Based on this, it is our opinion that long-term water planning for Sabine County be based on the current requirement for 0.60 gpm per connection.

- 3) Text and tables within the text have been revised to reflect that South Sabine's current pumping capacity is 270 gpm.
- 4) As previously stated, planning guidelines are based on the Senate Bill 1 Regional Planning effort. As those plans are revised and the Texas State Water Plan is updated, revisions to projects relying on that information will also be made.
- 5) Current water usage in Sabine County, particularly in the subdivisions along Toledo Bend Reservoir, is significantly less than State averages. This is due primarily to the transient (i.e., weekend and holiday occupancy) nature of the current population in Sabine County. A peaking factor for South Sabine, as well as other water supply corporations along Toledo Bend Reservoir, was developed to better reflect this weekend water usage and to represent a more average peak day and peak hour water usage when compared to other comparable areas of the State. While we agree that the estimated peak demands used in the analysis are higher than what is currently being experienced in your system, the transient nature of the population currently served by your system is primarily the cause of this lower than average peak demand. Due to the long-term nature of this planning study, it is our opinion that the estimated peak water demands (for which water modeling and pipe sizing are based) are prudent.
- 6) Criteria specified for evaluation of water facilities were based on TNRCC design criteria as well as engineering judgement and experience. Based on experience, increased velocity and headloss in water distribution facilities will result in, over time, increased probability of water main breaks, pipe scouring, decreased pump life, and increased energy costs. These standards are commonly used in the engineering community and are prudent when evaluating water supply facilities for long-term planning studies. The decision to replace water lines based on potential undesirable velocity or headloss conditions will ultimately be the decision of the district or water utility responsible for the system. However, we feel the criteria specified and used in the analysis is sound and provides the information required to make long-term decisions.
- 7) Appendix C in the Final Report provides a printout of the computer model output from the PIPE2000 water model. The information requested is provided in this output.
- 8) Due to the volume of printout from the modeling effort, we did not include this appendix for the Draft Report. The Appendix is included in the Final Report.

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Mr. W.F. Heugel February 13, 2002 Page 3

- 9) Projected costs were based on our experience related to current construction costs for water and wastewater facilities in Texas as well as utilizing the Engineering News Record (ENR) cost information. It is our understanding that many of the utilities in Sabine County currently conduct capital infrastructure projects using an in-house labor force. Due to the relatively large capital improvements recommended in the Regional Facilities Plan for Sabine County, independent construction contractors will likely be required. Therefore, the cost estimates provided in the plan include a cost for labor that may not be represented in the costs of recent projects in your area.
- 10) TWDB currently is funding a wastewater project through the Economically Depressed Areas Program in association with Brookeland Fresh Water Supply District and is therefore not a portion of the Sabine County study area.

Thank you again for taking time to contribute in this public participation effort. Your comments are appreciated and we hope that we have adequately addressed your concerns. Should you have additional concerns, please contact me at 956-781-6991 or Mike Reedy at 713-267-3127.

Respectfully,

Keith P. Kindle, P.E.

Project Director

//www.

Michael V. Reedy, P.E. Senior Project Manager