Volume II

Appendix B Ranked lists of recommended flood risk reduction solutions

Texas Water Code § 16.061 requires the state flood plan to include a ranked list of all recommended flood risk reduction solutions. Ranking methodologies primarily focused on criteria related to flood risk and flood risk reduction to life and property.

The overarching goal of the regional and state flood plans is to protect against the loss of life and property by (1) identifying and reducing the risk and impact to life and property that already exists, and (2) avoiding increasing or creating new flood risks by addressing future development within areas known to have existing or future flood risks. The ranking criteria and methodology are generally intended to:

- identify areas with the worst existing risk of flooding in the 1 percent (100-year) annual chance floodplain;
- identify flood risk mitigation solutions that may result in greater overall reduction in flood risk;
- and primarily focus on projects with the greater potential to mitigate the risk to life and property.

The TWDB's state flood plan flood risk reduction solutions ranking methodology is intended to provide a consistent approach for use across Texas to systematically address flood hazard with the population, properties, and critical facilities most at risk during a 1 percent (100-year) annual chance event. The ranking process aims to focus on severity of flood risk and reducing flood risk and impact to life and property as described by the legislature. The basic approach is described in Chapter 7 of this text.

The results of TWDB flood risk reduction solutions rankings as described in Chapter 7 include three ranked lists of flood risk reduction solutions:

- B.1 Recommended flood management evaluations;
- B.2 Recommended flood mitigation projects; and
- B.3 Recommended flood management strategies with non-recurring, non-capital costs.

Appendix B.1 Recommended flood management evaluation (FME) rankings

Flood management evaluation (FME) ranking criteria			Weighted value	Max values for score normalization
Reported data from FME GIS feature classes	1	Estimated number of structures at 100-year risk (#)	15%	2,500,000
	2	Estimated Population at 100-year flood risk (#)	15%	8,000,000
	3	Critical facilities at 100-year flood risk (#)	25%	255,000
	4	Number of low water crossings at flood risk (#)	20%	2,500
	5	Estimated number of road closures (#)	5%	10,000
	6	Estimated length of roads at 100-year flood risk (miles)	10%	125,000
	7	Estimated farm & ranch land at 100-year flood risk (acres)	10%	6,000,000
		Total	**100%**	

Note: Data utilized for generating this ranking for the state flood plan is from the adopted amended regional flood plans approved by the TWDB in March 2024.

Appendix B.1 Recommended flood management evaluation (FME) rankings

Ranking Factor?						Yes			Yes			Yes			Yes			Yes			Yes				
Max values for score normalization						2,500,000			8,000,000			255,000			2,500			10,000			125,000		6,000,000		
Weight value						15%			15%			25%			20%			5%			10%		10%		
Ranking criteria						Estimated number of structures at 100-year risk			Estimated population at 100-year flood risk			Critical facilities at 100-year flood risk (#)			Number of low water crossings at flood risk (#)			Estimated number of road closures (#)			Estimated length of roads at 100-		Estimated farm & ranch land at		
ID	**Region**	**Flood management evaluation name**	**Sponsor**	**Description**	**Type**	**Estimated cost ($)**	**Structures at risk Raw**	**Structures at risk, ArcSinh (0-10)**	**ArcSinh (Weighted) Structures at risk**	**Pop at risk Raw**	**Pop at risk, ArcSinh (0-10)**	**ArcSinh (Weighted) Pop at risk**	**Critical Facilities Raw**	**Critical Facilities, ArcSinh (0-10)**	**ArcSinh (Weighted) Critical Facilities**	**LWC Raw**	**LWC, ArcSinh (0-10)**	**ArcSinh (Weighted) LWC**	**Road Closures Raw**	**Road closures, ArcSinh (0-10)**	**ArcSinh (Weighted) Road closures**	**Road miles raw**	**Road miles, ArcSinh (0-10)**	**Ag land raw**	**Ag land, ArcSinh (0-10)**	**Total score**	**Rank**
031000469	3	Trinity Basin Assessment of Flood Mitigation and Performance of Nature-based Solutions	The Nature Conservancy (TNC)	Analysis of the flood mitigation value of select nature based solutions at varying scales and land use types basin wide.	Watershed planning	742,000	2454974	9.99	14.98	7854082	10.0	14.98	251531	9.99	24.97	2415	9.96	19.92	0	0	0	123077.77	9.99	5968380.00	10.00	94.84	1
031000284	3	Predicted Maximum Probable Inundation Map	Trinity River Authority	Use NWS gage height forecasts from the River Forecast Center to generate a potential floodplain along the main stem of the Trinity River.	Watershed planning	2,000,000	186744	8.32	12.48	882992	8.7	13.01	981	5.77	14.42	1737	9.57	19.14	0	0	0	7605.60	7.75	3629.90	5.45	72.25	2
131000174	13	Nueces Basin early flood warning system	Nueces River Authority	Develop Flood Preparedness Toolsets Using Streamgaging and Flood Inundation Mapping to develop a basin wide early flood warning system.	Preparedness	250,000	60967	7.59	11.39	136543	7.5	11.32	445	5.17	12.92	526	8.17	16.34	7401	9.70	4.85	3214.53	7.05	251436.97	8.05	71.92	3
131000175	13	Nueces Basin low water crossing study and upgrade prioritization	Nueces River Authority	Conduct an inventory of low water crossings (LWC), characterize risk, and rank low water crossings to prioritize those with high risk. Prepare a large scale public outreach campaign aimed at reducing loss of life. Address top 30% of high risk LWC.	Project planning	700,000	60967	7.59	11.39	136543	7.5	11.32	445	5.17	12.92	526	8.17	16.34	7401	9.70	4.85	3214.53	7.05	251436.97	8.05	71.92	3
131000176	13	Nueces Basin High Hazard Dam identification and risk assessment	Nueces River Authority	The region currently has 116 TCEQ regulated dams. Of these, 7 are 'non-functional' and 9 are 'deficient'. This study would identify all deficient high hazard dams in the region and recommend the removal or rehabilitation of the most high hazard dams.	Project planning	1,355,000	60967	7.59	11.39	136543	7.5	11.32	445	5.17	12.92	526	8.17	16.34	7401	9.70	4.85	3214.53	7.05	251436.97	8.05	71.92	3
131000178	13	Nueces Basin Assessment of Flood Mitigation and Performance of Nature-based Solutions (NBS)	Nueces River Authority	Basin-wide analysis on the flood mitigation value of select nature-based solutions (NBS) at a variety of scales and land use types, looking for consistent, accurate, and broadly applicable methods to quantify flood mitigation benefits of NBS.	Other	100,000	60967	7.59	11.39	136543	7.5	11.32	445	5.17	12.92	526	8.17	16.34	7401	9.70	4.85	3214.53	7.05	251436.97	8.05	71.92	3
131000179	13	Scaling Up Nature Based Solutions (NBS) in the Nueces Flood Planning Region to support community resilience and enhance flood and hazard mitigation planning	Nueces River Authority	Multi-jurisdictional feasibility analyses will be performed in targeted areas to identify a prioritized portfolio of NBS flood mitigation projects and strategies that consider both risk reduction and ecological benefits.	Other	1,000,000	60967	7.59	11.39	136543	7.5	11.32	445	5.17	12.92	526	8.17	16.34	7401	9.70	4.85	3214.53	7.05	251436.97	8.05	71.92	3
131000177	13	Nueces Basin Floodplain Map Updates	Nueces River Authority	Develop floodplain maps to NFHL level for HUC 12 watershed areas that have a high flood risk (risk score > 3.0 per the Regional Flood Plan) but do not currently have accurate mapping. Accurate mapping is defined as NFHL level accuracy.	Watershed planning	51,628,000	60967	7.59	11.39	136543	7.5	11.32	445	5.17	12.92	526	8.17	16.34	4499	9.19	4.60	3214.53	7.05	251436.97	8.05	71.67	8
061000175	6	Regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management	Harris County Flood Control District	Further study of regional Implementation of Large Diameter Deep Tunnel Systems for Storm Water Management.	Project planning	20,000,000	143547	8.15	12.22	590942	8.4	12.64	2132	6.36	15.90	89	6.08	12.17	89	5.23	2.62	2407.74	6.82	5993.47	5.76	68.13	9
061000197	6	Harris County Wide - Investigation of City of Houston Properties for Conversion to Stormwater Detention Basins	Harris County Flood Control District	Further study for design and construction of stormwater detention basins on various City of Houston properties could reduce the risk of flooding in the area.	Project planning	500,000	143547	8.15	12.22	590942	8.4	12.64	2132	6.36	15.90	89	6.08	12.17	89	5.23	2.62	2407.74	6.82	5993.47	5.76	68.13	9
011000114	1	Region-Wide Dam Safety	Panhandle Regional Planning Commission	Coordinate region-wide investigation into current dam safety status; selected based on stakeholder feedback	Other	1,718,000	11544	6.51	9.77	26657	6.6	9.84	160	4.39	10.97	791	8.65	17.30	1250	7.90	3.95	2299.42	6.79	2425093.50	9.44	68.06	11
101000194	10	Identify and Assess Flood Risk and Potential Mitigation Solutions for Low SVI Communities	Lower Colorado River Authority	Proactively sek out these communities to more fully assess and document their flood risk, consider potential solutions, and lay out a path to implement feasible and appropriate solutions.	Watershed planning	150,000	67825	7.66	11.49	149869	7.6	11.40	94	3.98	9.96	1132	9.07	18.14	0	0	0	2373.86	6.81	2268491.50	9.40	67.21	12
031000040	3	Dallas County Dam Inundation Study	Dallas County	Conduct studies to develop dam inundation maps and models	Watershed planning	587,000	22226	6.94	10.41	3202062	9.4	14.17	369	5.03	12.56	387	7.81	15.62	0	0	0	790.82	5.93	31559.98	6.78	65.47	13
031000517	3	Phase #2 of Stormwater Master Plan	Denton	Part of the City of Denton's Comprehensive Storm Water Master Plan. This study identifies potential flood risk and develops projects that will reduce flooding by improving the efficiency of the storm sewers.	Watershed planning	250,000	38076	7.29	10.93	146472	7.6	11.38	4157	6.87	17.17	41	5.17	10.35	0	0	0	1717.31	6.55	33143.91	6.81	63.19	14
031000047	3	Tarrant County Dam Inundation Study	Fort Worth, Tarrant County	Identify and evaluate high hazard dams.	Watershed planning	604,000	14855	6.68	10.02	2048394	9.2	13.77	164	4.41	11.02	531	8.18	16.36	0	0	0	467.79	5.50	20102.00	6.50	63.17	15
111000108	11	Guadalupe-Blanco River Authority FEMA Cooperating Technical Partners (CTP) Modeling and Mapping	Guadalupe-Blanco River Authority	GBRA has entered into a partnership with FEMA by which GBRA commissions an engineering firm to perform flood inundation modeling and mapping, and dams in series modeling.	Watershed planning	250,000	22831	6.96	10.43	55779	7.0	10.51	127	4.21	10.53	467	8.03	16.06	0	0	0	767.49	5.90	304947.22	8.17	61.61	16
091000110	9	Upper Colorado Warning System Outreach and Study	Menard County	Basin-wide Study Program: Improve on Warning signs, lights, or systems.	Other	100,000	36361	7.26	10.89	81195	7.2	10.85	56	3.59	8.98	255	7.32	14.64	0	0	0	4338.39	7.30	719343.06	8.70	61.35	17
071000204	7	Upper Brazos Dam Inventory Evaluation	South Plains Association of Governments	Develop a baseline understanding of the risks associated with high and significant hazard and NRCS dams within the basin, including coordination with the Texas State Soil & Water Conservation Board dam maintenance plan.	Other	750,000	28532	7.10	10.65	60299	7.1	10.58	44	3.41	8.52	292	7.48	14.96	0	0	0	5944.06	7.55	869137.94	8.81	61.07	18
071000205	7	Upper Brazos Industry Flood Losses Inventory Evaluation	South Plains Association of Governments	Reduce the vulnerability of agriculture, ranching, energy and forestry to flood-related losses by establishing a baseline measurement.	Other	100,000	28532	7.10	10.65	60299	7.1	10.58	44	3.41	8.52	292	7.48	14.96	0	0	0	5944.06	7.55	869137.94	8.81	61.07	18
041000090	4	Lower Sabine FIF Phase 2	Sabine River Authority	Development of detailed hydraulic models for additional areas of high flood risk identified in Phase 1. Perform alternatives analysis and develop FMPs for second cycle of the State Flood Plan.	Project planning	250,000	20900	6.90	10.35	31194	6.7	9.98	313	4.90	12.25	37	5.05	10.11	37	4.35	2.17	26444.14	8.75	26444.14	6.67	60.28	20
061000098	6	Study of Texas City Hurricane Flood Protection Project	Galveston County	Corp of Engineers study of the Texas City Hurricane Flood Protection Project to improve the current levee system to provide protection from category 5 storm.	Project planning	1,590,000	48545	7.44	11.17	102745	7.4	11.06	667	5.48	13.69	30	4.81	9.61	30	4.13	2.07	910.36	6.04	3412.03	5.42	59.06	21
061000107	6	Storm water detention ponds & Widening of drainage systems feasibility study	Galveston County	Study of area to identify problem areas and recommend flood mitigation alternatives that consider detention ponds & widening drainage systems.	Project planning	11,000,000	48545	7.44	11.17	102745	7.4	11.06	667	5.48	13.69	30	4.81	9.61	30	4.13	2.07	910.36	6.04	3412.03	5.42	59.06	21
061000134	6	Corp of Engineers study of the Galveston County Water Reservoir Dam and Levee system	Galveston County	Review findings of potential breach to dam/levee system and develop/implement mitigation actions as applicable.	Project planning	1,590,000	48545	7.44	11.17	102745	7.4	11.06	667	5.48	13.69	30	4.81	9.61	30	4.13	2.07	910.36	6.04	3412.03	5.42	59.06	21
061000151	6	Evaluation of Mitigation Alternatives for Repetietive Flood Claims Properties in Galveston County	Galveston County	Evaluate Mitigation Alternatives of Repetitive Flood Claim Properties in Galveston County.	Project planning	11,000,000	48545	7.44	11.17	102745	7.4	11.06	667	5.48	13.69	30	4.81	9.61	30	4.13	2.07	910.36	6.04	3412.03	5.42	59.06	21
061000163	6	Galveston County Drainage System Improvement Study	Galveston County	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	Project planning	1,590,000	48545	7.44	11.17	102745	7.4	11.06	667	5.48	13.69	30	4.81	9.61	30	4.13	2.07	910.36	6.04	3412.03	5.42	59.06	21
061000304	6	Galveston Flood Mapping Updates	Galveston County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	2,960,000	48545	7.44	11.17	102745	7.4	11.06	667	5.48	13.69	30	4.81	9.61	30	4.13	2.07	910.36	6.04	3412.03	5.42	59.06	21

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000438	6	Greens Bayou, Jackson Bayou, White Oak Bayou, Cypress Creek and San Jacinto River Areas Subdivision Drainage Mitigation Project	Harris County	This proposed solution recommends establishing positive drainage and clear flow lines, which are expected to reduce the water surface elevation in the subdivision to mitigate the structural flood risk for all 1,445 beneficiaries.	Project planning	30,000	42056	7.35	11.03	205981	7.8	11.69	745	5.56	13.90	27	4.68	9.37	27	4.03	2.01	789.50	5.93	1543.44	4.93	58.85	27
061000022	6	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Dickinson Bayou Alternative 2	League City	Further refine the DB Alt. 2 in the LCCDBFMP (2021), including alternative analysis to McFarland Detention Basin, W Cemetery Rd. Detention Basin, Hilton Detention Basin, Magnolia Bayou & Borden Gully Detention Basins, and Diversion Channel at Desel Dr..	Project planning	1,090,000	40129	7.32	10.98	89177	7.3	10.93	636	5.44	13.60	26	4.64	9.28	26	3.99	2.00	722.78	5.85	2683.21	5.27	57.91	28
061000439	6	Greens Bayou, White Oak Bayou and Cypress Creek Areas Subdivision Drainage Mitigation Project	Harris County	The mitigation solution for Cypress Creek Estates is to install storm sewer systems along West Shadow Lake, East Shadow Lake, North Shadow Lake and Winding Lane, to re-grade the roadside ditches, and to remove and replace of all driveways and culverts.	Project planning	30,000	33835	7.21	10.82	176096	7.7	11.55	425	5.13	12.83	32	4.88	9.77	32	4.20	2.10	601.41	5.71	1841.86	5.04	57.81	29
031000464	3	Dalworth SWCD Watershed-wide Dam Evaluations	Dalworth SWCD	Dalworth watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	923,000	39636	7.31	10.97	5381556	9.8	14.64	0	0	0	1299	9.23	18.46	0	0	0	1361.28	6.36	78806.60	7.34	57.78	30
141000015	14	Prioritize arroyos on their likelihood of producing sediment/ debris flows	El Paso Water, El Paso County, EPCWID1	Investigate uncontrolled arroyos that have created flood damages and high maintenance costs. Develop method to estimate relative production of sediment for uncontrolled arroyos and estimate added flood risk associated with drainage conveyance blockage.	Preparedness	70,000	21373	6.91	10.37	20411	6.4	9.60	37	3.28	8.19	132	6.55	13.09	841	7.50	3.75	607.25	5.71	48551.00	7.04	57.76	31
041000084	4	Orange County Flood Hazard Mapping	Orange County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,500,000	16974	6.76	10.15	26881	6.6	9.85	269	4.78	11.96	22	4.44	8.89	22	3.82	1.91	13578.93	8.21	13578.93	6.26	57.23	32
041000085	4	Orange County Drainage Master Plan	Orange County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	675,000	16974	6.76	10.15	26881	6.6	9.85	269	4.78	11.96	22	4.44	8.89	22	3.82	1.91	13578.93	8.21	13578.93	6.26	57.23	32
031000036	3	East Fork Trinity HUC-8 - East Fork Trinity and Tributaries Flood Risk Identification	North Central Texas Council of Govt	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	4,582,000	5222	6.00	9.00	1156225	8.8	13.25	49	3.49	8.72	151	6.70	13.41	0	0	0	273.17	5.07	60443.34	7.18	56.63	34
031000049	3	West Fork of the Trinity River Levee Failure Hydrologic Study	River Oaks	Hydrologic study to determine threat, risk, and potential impacts of flooding from levee failure along the West Fork of the Trinity River.	Watershed planning	2,000,000	7235	6.21	9.32	331355	8.1	12.12	64	3.69	9.23	127	6.50	13.00	0	0	0	308.16	5.17	114016.70	7.57	56.41	35
031000007	3	Denton County FEMA Mapping	Denton County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,140,000	4675	5.93	8.89	687183	8.5	12.78	89	3.94	9.86	97	6.19	12.37	0	0	0	245.07	4.98	53344.36	7.10	55.99	36
031000042	3	Denton County Dam Inundation Study	Denton County	Inundation studies of all high and moderate hazard dams	Watershed planning	613,000	4675	5.93	8.89	687183	8.5	12.78	89	3.94	9.86	97	6.19	12.37	0	0	0	245.07	4.98	53344.36	7.10	55.99	36
031000277	3	Denton County USDA (NRCS) Dam Studies and Rehabilitation	Denton County	USDA (NRCS) Dam Studies and Rehabilitation	Other	2,000,000	4675	5.93	8.89	687183	8.5	12.78	89	3.94	9.86	97	6.19	12.37	0	0	0	245.07	4.98	53344.36	7.10	55.99	36
011000038	1	Wichita County FIS	Wichita County	Update flood insurance study for the county and develop regulatory mapping	Watershed planning	643,000	3986	5.82	8.74	10515	6.0	9.00	72	3.78	9.45	170	6.84	13.69	267	6.34	3.17	193.12	4.79	49700.41	7.06	55.90	39
011000189	1	Wichita County Drainage Master Plan	Wichita County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on stakeholder feedback.	Watershed planning	500,000	3986	5.82	8.74	10515	6.0	9.00	72	3.78	9.45	170	6.84	13.69	267	6.34	3.17	193.12	4.79	49700.41	7.06	55.90	39
151000411	15	Hidalgo County Colonia Stormwater Drainage Planning Study Update	Hidalgo County	Hidalgo County Colonia Stormwater Drainage Planning Study Update	Project planning	119,520	70668	7.69	11.53	227375	7.9	11.78	76	3.82	9.56	16	4.07	8.14	0	0	0	1910.84	6.64	256096.91	8.07	55.71	41
011000207	1	Wichita Dams	Petrolia, Iowa Park, Byers	Perform a watershed-wide evaluation of 4 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	189,000	4093	5.84	8.76	10521	6.0	9.00	72	3.78	9.45	154	6.73	13.46	154	5.79	2.89	181.26	4.74	85638.73	7.39	55.70	42
011000215	1	Wichita County Streams Evaluation	Wichita County	Perform hydrologic, hydraulic, and geomorphic assessments of County- and drainage district-maintained channels to identify long-term, reach-level solutions for drainage capacity and channel stability issues	Watershed planning	500,000	3986	5.82	8.74	10515	6.0	9.00	72	3.78	9.45	169	6.84	13.67	169	5.88	2.94	193.12	4.79	51683.26	7.08	55.68	43
031000519	3	Mill Creek Drainage Relief System - Upper-Middle Improvements	Dallas	Proposed lateral improvements, tunnel alignments, and trunk improvements for overall drainage relief. Anticipated const. cost = $35,509,837	Project planning	500,000	28854	7.11	10.66	284307	8.0	11.98	2321	6.42	16.06	9	3.40	6.79	0	0	0	1293.61	6.32	172.01	3.58	55.40	44
061000307	6	Montgomery Flood Mapping Updates	Montgomery County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	4,700,000	21175	6.91	10.36	42121	6.8	10.26	116	4.14	10.36	72	5.84	11.67	72	5.02	2.51	409.34	5.40	852.38	4.57	55.12	45
051000010	5	Jefferson County Update Flood Hazard Mapping	Jefferson County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,900,000	12869	6.58	9.88	26027	6.5	9.82	316	4.91	12.27	22	4.44	8.89	22	3.82	1.91	473.80	5.51	33019.38	6.81	55.08	46
051000031	5	Jefferson County Master Drainage Plan	Jefferson County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,100,000	12869	6.58	9.88	26027	6.5	9.82	316	4.91	12.27	22	4.44	8.89	22	3.82	1.91	473.80	5.51	33019.38	6.81	55.08	46
041000046	4	Feasibility Assessment and Conceptual Design of Increasing the Size of Culverts and Railroad Trestles on Major Drainage Structures	Orange County Drainage District	H&H Study and Modeling for Determination of Need and Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County	Project planning	500,000	16974	6.76	10.15	26881	6.6	9.85	276	4.80	12.01	22	4.44	8.89	22	3.82	1.91	364.50	5.30	17171.20	6.41	54.51	48
041000047	4	Feasibility Assessment and Conceptual Design of Increasing Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods	Orange County Drainage District	H&H Study and Modeling for Determination of Need and Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County	Project planning	1,000,000	16974	6.76	10.15	26881	6.6	9.85	276	4.80	12.01	22	4.44	8.89	22	3.82	1.91	364.50	5.30	17171.20	6.41	54.51	48
041000050	4	Orange County Drainage Improvements at Kinard Estates Study	Orange County	First-time sewer service, detention pond, and other drainage improvements to reduce flooding and environmental impacts.	Project planning	250,000	16974	6.76	10.15	26881	6.6	9.85	276	4.80	12.01	22	4.44	8.89	22	3.82	1.91	364.00	5.30	17171.20	6.41	54.51	50
061000465	6	Catalina	Houston	Study to develop a BCR and other data needed to elevate project to a FMP. FIF application information unavailable.	Project planning	30,000	33641	7.21	10.81	92712	7.3	10.97	392	5.07	12.68	16	4.07	8.14	16	3.50	1.75	578.02	5.67	596.69	4.35	54.37	51
131000224	13	Various Flood Warning gages	Uvalde County	Project to develop flood warning systems across Uvalde county (more gages, flashing signs, night lights, etc).	Preparedness	250,000	5502	6.03	9.05	5722	5.6	8.45	26	3.01	7.52	177	6.89	13.78	502	6.98	3.49	403.20	5.38	26260.62	6.67	54.34	52
141000034	14	Develop FMPs for additional projects in City of El Paso/El Paso Water Stormwater Master Plan	El Paso Water	Develop all required datasets and models for 52 projects from the City of El Paso/El Paso Water Stormwater Master Plan to be recommended as FMPs in the Regional Flood Plan.	Project planning	1,288,000	13881	6.63	9.95	55807	7.0	10.51	26	3.01	7.52	51	5.43	10.86	614	7.18	3.59	374.95	5.33	6056.93	5.77	53.52	53
011000179	1	Detailed Hydrologic and Hydraulic Study of the Wichita River	Wichita Falls	Perform a detailed H&H study of the Wichita River watershed with a focus on the area in and around Wichita Falls; selected based on stakeholder feedback	Watershed planning	528,000	2818	5.60	8.40	6756	5.7	8.60	28	3.06	7.66	123	6.46	12.93	178	5.93	2.97	182.03	4.74	271232.66	8.10	53.40	54
041000089	4	Hunt County Countywide Drainage Study - Phase 2	Hunt County	Development of detailed hydraulic models for additional areas of high flood risk identified in Phase 1. Perform alternatives analysis and develop FMPs for second cycle of the State Flood Plan.	Project planning	250,000	3043	5.65	8.47	6896	5.7	8.62	45	3.42	8.56	28	4.73	9.45	28	4.06	2.03	46890.87	9.21	46890.87	7.02	53.37	55

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
071000225	7	Upper Clear Fork Brazos Dams	Abilene, Abilene, Abilene, West Central Texas Municipal Water District, Sweetwater, Sweetwater	Perform a watershed-wide evaluation of 6 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	277,000	12219	6.55	9.83	26785	6.6	9.85	12	2.42	6.05	98	6.20	12.39	98	5.33	2.66	396.54	5.37	57148.69	7.14	53.30	56
031000467	3	Floodplain Evaluation of Kings Branch and Farmers Branch	Westworth Village	Flood study to identify areas that will be suitable for an FMP for future floodplain cycles.	Project planning	250,000	11323	6.50	9.75	43362	6.9	10.28	1012	5.79	14.48	23	4.50	8.99	0	0	0	509.64	5.57	444.07	4.17	53.24	57
061000513	6	San Jacinto River - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto River watershed.	Watershed planning	52,736,000	19487	6.85	10.28	41110	6.8	10.23	361	5.01	12.52	15	3.99	7.99	15	3.44	1.72	446.10	5.47	801.18	4.53	52.73	58
061000519	6	San Jacinto River Watershed Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in San Jacinto River watershed.	Watershed planning	3,288,000	19487	6.85	10.28	41110	6.8	10.23	361	5.01	12.52	15	3.99	7.99	15	3.44	1.72	446.10	5.47	801.18	4.53	52.73	58
061000509	6	Greens Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Greens Bayou watershed.	Watershed planning	92,079,000	25037	7.02	10.52	97307	7.3	11.01	291	4.84	12.11	17	4.14	8.28	17	3.56	1.78	333.18	5.23	163.53	3.55	52.49	60
061000517	6	Greens Bayou Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Greens Bayou watershed.	Watershed planning	21,649,000	25037	7.02	10.52	97307	7.3	11.01	291	4.84	12.11	17	4.14	8.28	17	3.56	1.78	333.18	5.23	163.53	3.55	52.49	60
061000185	6	Upper Greens Bayou Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	980,000	24220	6.99	10.49	94337	7.3	10.98	287	4.83	12.08	17	4.14	8.28	17	3.56	1.78	320.20	5.20	161.01	3.54	52.37	62
041000042	4	Feasibility Assessment and Conceptual Design of Dredging of Segments of Adams Bayou	Orange County Drainage District	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Adams Bayou	Project planning	2,000,000	10571	6.46	9.68	18428	6.3	9.51	306	4.88	12.21	15	3.99	7.99	15	3.44	1.72	239.69	4.97	9260.38	6.03	52.10	63
041000044	4	Feasibility Assessment and Conceptual Design of Dredging of Segments of Little Cypress Bayou	Orange County Drainage District	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Lttle Cypress Bayou	Project planning	1,000,000	10571	6.46	9.68	18428	6.3	9.51	306	4.88	12.21	15	3.99	7.99	15	3.44	1.72	239.69	4.97	9260.38	6.03	52.10	63
041000052	4	Adams Bayou Detention Ponds Study	Orange County Drainage District	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	Project planning	600,000	10571	6.46	9.68	18428	6.3	9.51	306	4.88	12.21	15	3.99	7.99	15	3.44	1.72	239.69	4.97	9260.38	6.03	52.10	63
061000421	6	Clear Creek - Hughes Stormwater Detention (SWD) Basin	Harris County Flood Control District	Develop BCA to become a FMP. Project identified in Clear Creek Federal Project study for flood management but did not yield high enough cost benefit ratio for Federal funding. Therefore, Harris and Galveston County have decided to fund this effort.	Project planning	30,000	27153	7.07	10.60	75345	7.2	10.78	231	4.67	11.67	12	3.73	7.47	12	3.21	1.61	458.14	5.49	532.73	4.28	51.89	66
061000508	6	Clear Creek - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Clear Creek watershed.	Watershed planning	75,233,000	27153	7.07	10.60	75345	7.2	10.78	231	4.67	11.67	12	3.73	7.47	12	3.21	1.61	458.14	5.49	532.73	4.28	51.89	66
061000520	6	Clear Creek Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Clear Creek watershed.	Watershed planning	3,008,000	27130	7.07	10.60	75345	7.2	10.78	231	4.67	11.67	12	3.73	7.47	12	3.21	1.61	458.14	5.49	532.73	4.28	51.89	68
141000035	14	Develop FMPs for additional projects from the El Paso County Stormwater Master Plan	El Paso County	Develop all required datasets and models for 21 projects from the El Paso County Stormwater Master Plan to be considered as FMPs in the Regional Flood Plan.	Project planning	276,000	7480	6.23	9.35	20421	6.4	9.60	10	2.28	5.70	81	5.97	11.95	224	6.16	3.08	228.22	4.93	42408.60	6.96	51.57	69
031000005	3	Collin County FEMA Mapping	Collin County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,041,000	2842	5.60	8.41	929048	8.7	13.05	26	3.01	7.52	55	5.52	11.04	0	0	0	145.78	4.57	34153.61	6.83	51.41	70
031000038	3	Collin County Dam Inundation Study	Collin County	Inundation studies of all high and moderate hazard dams	Watershed planning	855,000	2842	5.60	8.41	929048	8.7	13.05	26	3.01	7.52	55	5.52	11.04	0	0	0	145.78	4.57	34153.61	6.83	51.41	70
031000123	3	Collin County Retention Structures Rehabilitation Project	Collin County	Conduct hazard/vulnerability assessment and inundation study on NRCS flood retention structures and rehabilitate structures found to be a high hazard.	Project planning	500,000	2842	5.60	8.41	929048	8.7	13.05	26	3.01	7.52	55	5.52	11.04	0	0	0	145.78	4.57	34153.61	6.83	51.41	70
031000274	3	Collin County flooding hazard/vulnerability assessment	Collin County	Conduct a hazard/vulnerability assessment for personal properties and structures located in the floodplain.	Preparedness	500,000	2842	5.60	8.41	929048	8.7	13.05	26	3.01	7.52	55	5.52	11.04	0	0	0	145.78	4.57	34153.61	6.83	51.41	70
151000291	15	City of Peñitas - Peñitas Drainage Infrastructure	Hidalgo County Drainage District 1	Create drainage ditch to drain Peñitas area	Project planning	1,006,504	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000408	15	Alton MDP - FM 676 at Stewart Road	Hidalgo County Drainage District 1	Alton MDP - FM 676 at Stewart Road	Project planning	9,000	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000409	15	Alton MDP - South Stewart Boulevard Alternative 2A	Hidalgo County Drainage District 1	Alton MDP - South Stewart Boulevard Alternative 2A	Project planning	636,000	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000410	15	Southwest Weslaco No.76	Hidalgo County Drainage District 1	Southwest Weslaco No.77	Project planning	311,880	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000436	15	Drain J01 Improvements	Hidalgo County Drainage District 1	Extension of Ditch J01 west	Project planning	1,033,200	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000437	15	Mercedes Lateral Improvements	Hidalgo County Drainage District 1	Widening of Mercededs Lateral	Project planning	848,400	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000438	15	Panchitas outfall structure BP 6	Hidalgo County Drainage District 1	Rehab of the outfall structure, including concrete embankment replacement	Project planning	367,200	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000439	15	Pharr-McAllen Lateral Bond Project 9	Hidalgo County Drainage District 1	3 miles of channel improvements, widening lateral within exisitng right of way	Project planning	679,200	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
151000440	15	PSJA Drain Bond Project 16	Hidalgo County Drainage District 1	2 miles of chanlle improvements includes widening the PSJA Drain within existing Right of Way, from Nolana to I2	Project planning	130,800	51070	7.48	11.22	161810	7.6	11.47	63	3.68	9.20	5	2.72	5.43	0	0	0	1323.54	6.34	102217.80	7.50	51.16	74
031000008	3	Ellis County FEMA Mapping	Ellis County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,182,000	2712	5.57	8.36	145930	7.6	11.38	32	3.16	7.91	57	5.56	11.12	0	0	0	214.41	4.88	90231.04	7.43	51.08	83
031000043	3	Ellis County Dam Inundation Study	Ellis County, Alma, Bardwell, Ennis, Ferris, Garrett, Italy, Maypearl, Midlothian, Milford, Oak Leaf, Ovilla, Palmer, Red Oak, Waxahachie	Inundation studies of all high and moderate hazard dams	Watershed planning	758,000	2712	5.57	8.36	145930	7.6	11.38	32	3.16	7.91	57	5.56	11.12	0	0	0	214.41	4.88	90231.04	7.43	51.08	83
031000428	3	Lower Five Mile Creek Management Plan	Dallas	Proposed ecosystem restoration and economic redevlopment with 41- acres to be reclaimed and the conversion of a pond to a wetland on Lower Five Mile Creek. Anticipated const. cost = $30,973,737	Watershed planning	500,000	8301	6.30	9.45	22581	6.5	9.69	926	5.73	14.31	8	3.26	6.52	0	0	0	570.81	5.66	2979.58	5.33	50.97	85
081000939	8	Dam Emergency Action Plan	Williamson County	Complete EAPs for Sites 9, 29, 2, 3, 6, 7, 17, 18, and 25 to be in compliance with TCEQ standards.	Preparedness	500,000	3519	5.74	8.62	7496	5.8	8.69	5	1.76	4.40	167	6.82	13.65	728	7.35	3.68	167.45	4.68	67369.60	7.25	50.95	86
031000084	3	Johnson County DMP	Johnson County	Evaluate County and identify future projects.	Watershed planning	500,000	1851	5.33	7.99	92966	7.3	10.97	12	2.42	6.05	372	7.76	15.53	0	0	0	61.68	3.87	18202.78	6.44	50.85	87

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000263	3	Johnson County Low Water Crossings - East Side	Johnson County	Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.	Project planning	250,000	1851	5.33	7.99	92966	7.3	10.97	12	2.42	6.05	372	7.76	15.53	0	0	0	61.68	3.87	18202.78	6.44	50.85	87
031000264	3	Johnson County Low Water Crossings - West Side	Johnson County	Hydraulic evaluation to determine how to reduce flooding risk at multiple low water crossings.	Project planning	250,000	1851	5.33	7.99	92966	7.3	10.97	12	2.42	6.05	372	7.76	15.53	0	0	0	61.68	3.87	18202.78	6.44	50.85	87
151000412	15	Cameron Colonia Stormwater Drainage Planning Study Update	Cameron County	Cameron Colonia Stormwater Drainage Planning Study Update	Project planning	119,520	22451	6.94	10.42	59981	7.1	10.58	48	3.47	8.68	2	1.69	3.39	1741	8.23	4.12	896.61	6.03	98416.71	7.48	50.69	90
031000019	3	Johnson County FEMA Mapping	Johnson County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	977,000	1839	5.32	7.98	92966	7.3	10.97	12	2.42	6.05	372	7.76	15.53	0	0	0	61.68	3.87	13054.41	6.24	50.64	91
111000111	11	Guadalupe County LWC Project Planning	Guadalupe County	Project planning for proposed project to mark and place electric gates at low water crossings.	Project planning	2,000,000	7310	6.22	9.33	18183	6.3	9.50	15	2.59	6.47	167	6.82	13.65	0	0	0	179.03	4.73	41053.07	6.94	50.61	92
111000112	11	Hays County Dam Inundation Maps	Hays County	Conduct study and work with TCEQ to continue to develop inundation maps for all High Hazard dams.	Preparedness	500,000	5372	6.02	9.03	20150	6.4	9.59	19	2.77	6.92	178	6.90	13.80	0	0	0	143.50	4.55	26087.06	6.66	50.55	93
111000113	11	Hays County Harden Critical Infrastructure Project Planning	Hays County	Project planning to ensure new structures are structurally reinforced against natural hazards. To include, flood-proofing (if needed), freeboard, higher levels of soil compaction and proper perimeter drainage systems.	Project planning	100,000	5372	6.02	9.03	20150	6.4	9.59	19	2.77	6.92	178	6.90	13.80	0	0	0	143.50	4.55	26087.06	6.66	50.55	93
111000114	11	Hays County Drainage Project Planning (Willow Springs Creek between McCarty Lane and Hunter Road)	Hays County	Project planning for channel improvement and/or property acquisition project to reduce flood damages along Willow Springs Creek from McCarty Lane to Hunter Road.	Project planning	800,000	5372	6.02	9.03	20150	6.4	9.59	19	2.77	6.92	178	6.90	13.80	0	0	0	143.50	4.55	26087.06	6.66	50.55	93
111000115	11	Hays County Drainage Project Planning (Willow Springs Creek between Hunter Rd and the Railroad)	Hays County	Project planning for detention project to reduce flood damages along Willow Springs Creek from Hunter Road to the railroad.	Project planning	1,200,000	5372	6.02	9.03	20150	6.4	9.59	19	2.77	6.92	178	6.90	13.80	0	0	0	143.50	4.55	26087.06	6.66	50.55	93
111000118	11	Hays County Community Flood Mitigation Project Planning	Hays County	Hays County Community Flood Mitigation Project Planning	Project planning	238,035	5372	6.02	9.03	20150	6.4	9.59	19	2.77	6.92	178	6.90	13.80	0	0	0	143.50	4.55	26087.06	6.66	50.55	93
151000131	15	Webb County	Webb County	Develop Flood risk maps for the county of Webb and develop CIP	Watershed planning	1,000,000	9178	6.36	9.55	35624	6.7	10.10	13	2.48	6.20	26	4.64	9.28	509	6.99	3.50	356.80	5.29	8856.20	6.00	49.91	98
151000142	15	Webb County Hwy 359 Colonias Drainage	Webb County	Study would identify areas of frequent flooding, hazardous risk of flooding, land acquisition for public drainage improvements. Study would also develop a mitigation plan to minimize flood impacts and highlight evacuation routes. Developing an early warning system to notify the local community officials and residents of impending flood hazards due to weather events.	Project planning	100,000	9178	6.36	9.55	35624	6.7	10.10	13	2.48	6.20	26	4.64	9.28	509	6.99	3.50	356.80	5.29	8855.99	6.00	49.91	99
151000168	15	ML06f Thornwood	Mission	693 feet of storm sewer upgrade	Project planning	51,737	8873	6.34	9.51	34571	6.7	10.08	13	2.48	6.20	25	4.59	9.19	465	6.90	3.45	345.29	5.26	8520.29	5.98	49.67	100
031000392	3	Arlington Johnson Creek - JC-2 at Pioneer Parkway and Center Street Buyout	Arlington	Property acquisition of thirty (30) structures at Pioneer Parkway and Center Street. No channel improvements planned.	Project planning	231,000	1839	5.32	7.98	16784	6.3	9.42	11914	7.67	19.17	1	1.03	2.07	0	0	0	17099.34	8.40	17.07	2.17	49.22	101
111000109	11	Guadalupe County Drainage Improvements Study	Guadalupe County	Study of solutions to upgrade undersized stormwater drains and culverts.	Watershed planning	3,000,000	5822	6.07	9.10	14109	6.2	9.27	14	2.54	6.34	130	6.53	13.06	0	0	0	116.74	4.39	25477.21	6.65	48.81	102
111000110	11	Guadalupe County Voluntary Buyout Program Project Planning	Guadalupe County	Project planning to develop a land acquisition program in flood hazard areas. Acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	Project planning	150,000	5822	6.07	9.10	14109	6.2	9.27	14	2.54	6.34	130	6.53	13.06	0	0	0	116.74	4.39	25477.21	6.65	48.81	102
111000170	11	Guadalupe County Drainage Master Plan	Guadalupe County	Creation of drainage master plan for Guadalupe County, possibly in multiple phases, by watershed	Watershed planning	2,500,000	5822	6.07	9.10	14109	6.2	9.27	14	2.54	6.34	130	6.53	13.06	0	0	0	116.74	4.39	25477.21	6.65	48.81	102
131000136	13	San Patricio County Repetitive Loss Property Reduction	San Patricio County	San Patricio County Hazard Mitigation Action Plan - San Patricio County, County Wide, Action #1: Identify and implement actions such as flood proofing, elevation, acquisition, relocation, and retrofitting to reduce risk for repetitive loss properties.	Other	795,000	5577	6.04	9.06	10683	6.0	9.02	23	2.91	7.28	13	3.83	7.65	914	7.58	3.79	287.60	5.11	30916.99	6.77	48.69	105
061000504	6	Brays Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Brays Bayou watershed.	Watershed planning	66,091,000	40914	7.33	11.00	216118	7.8	11.73	545	5.32	13.30	2	1.69	3.39	2	1.46	0.73	537.16	5.62	45.19	2.76	48.54	106
061000180	6	Brays Bayou Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	620,000	40914	7.33	11.00	216118	7.8	11.73	545	5.32	13.30	2	1.69	3.39	2	1.46	0.73	537.14	5.62	45.19	2.76	48.54	107
061000534	6	Brays Bayou Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Brays Bayou watershed.	Watershed planning	334,000	40914	7.33	11.00	216118	7.8	11.73	545	5.32	13.30	2	1.69	3.39	2	1.46	0.73	537.14	5.62	45.19	2.76	48.54	107
101000158	10	Citywide Storm Drain Infrastructure Modeling	Austin	The goal of this project is to prepare 1D and 2D storm drain models for the entire City.	Watershed planning	12,600,000	5694	6.06	9.08	45817	6.9	10.33	10	2.28	5.70	128	6.51	13.02	0	0	0	111.76	4.35	7305.66	5.88	48.37	109
031000168	3	Big Bear Creek, Little Bear Creek, and Marshall Branch Stream Bank Erosion Study	Keller	Study to reduce stream bank erosion impacts along Big Bear Creek, Little Bear Creek, and Marshall Branch to improve drainage within the City of Keller	Project planning	50,000	1369	5.13	7.70	278329	8.0	11.96	18	2.73	6.82	50	5.41	10.81	0	0	0	91.37	4.19	28753.88	6.72	48.21	110
061000420	6	Clear Creek - Friendswood Detention Basin Near FM 528 in Friendswood	Harris County Flood Control District	Develop BCA to become a FMP. ROW acquisition, design, and construction of 39 ac stormwater detention basin holding 500 ac-ft near FM 528; Additional solutions include buyouts, improving channel conveyance, and tributary detention.	Project planning	30,000	14912	6.68	10.02	43960	6.9	10.29	153	4.36	10.89	9	3.40	6.79	9	2.92	1.46	264.18	5.04	161.83	3.55	48.05	111
031000045	3	Navarro County Dam Inundation Study	Navarro County, Corsicana, Kerens	Conduct inundation studies of all high and moderate hazard dams.	Watershed planning	744,000	1805	5.31	7.97	48586	6.9	10.38	11	2.35	5.88	64	5.70	11.39	0	0	0	211.14	4.86	109464.70	7.54	48.04	112
031000026	3	Navarro County FEMA Mapping	Navarro County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,482,000	1759	5.29	7.94	48586	6.9	10.38	11	2.35	5.88	64	5.70	11.39	0	0	0	211.14	4.86	106570.30	7.53	47.99	113
071000075	7	Taylor County DMP	Taylor County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	11167	6.49	9.74	25896	6.5	9.82	11	2.35	5.88	72	5.84	11.67	0	0	0	244.59	4.98	7516.34	5.90	47.99	114
071000113	7	Taylor County GIS Development	Taylor County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	11167	6.49	9.74	25896	6.5	9.82	11	2.35	5.88	72	5.84	11.67	0	0	0	244.59	4.98	7516.34	5.90	47.99	114
071000195	7	Taylor County Dam Inspection Program	Taylor County	Annual dam inspection, partner with SWCD to help fund repairs and maintenance, partner with property owners to report new damage or erosion, and patrol for illegal dumping at dams.	Other	100,000	11167	6.49	9.74	25896	6.5	9.82	11	2.35	5.88	72	5.84	11.67	0	0	0	244.59	4.98	7516.34	5.90	47.99	114
071000196	7	Taylor County DCM	Taylor County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	11167	6.49	9.74	25896	6.5	9.82	11	2.35	5.88	72	5.84	11.67	0	0	0	244.59	4.98	7516.34	5.90	47.99	114
071000197	7	Taylor County Stream Restoration Program	Taylor County	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	Project planning	500,000	11167	6.49	9.74	25896	6.5	9.82	11	2.35	5.88	72	5.84	11.67	0	0	0	244.59	4.98	7516.34	5.90	47.99	114
111000180	11	Hays County Drainage Master Plan	Hays County	Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects, in guadalupe watershed, approximately half of county footprint	Watershed planning	1,500,000	4329	5.88	8.82	17647	6.3	9.47	15	2.59	6.47	117	6.41	12.81	0	0	0	98.04	4.25	10528.00	6.11	47.92	119
031000461	3	Cooper Creek Drainage Study	Denton	Flood study in the City of Denton to quantify existing flooding severity and proposed mitigation strategies to protect hydraulic structures and property adjacent to Cooper Creek.	Watershed planning	250,000	9523	6.39	9.58	16765	6.3	9.42	779	5.59	13.98	3	2.14	4.27	0	0	0	380.04	5.34	2745.89	5.28	47.88	120

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000153	3	Liberty County Re-canalization	Liberty County	Evaluate alternatives to dechannelize existing feeder creeks that flow from north to south and improve drainage for storm water runoff	Project planning	500,000	8682	6.33	9.49	46649	6.9	10.35	87	3.93	9.81	6	2.93	5.85	0	0	0	256.55	5.02	71161.52	7.28	47.81	121
131000125	13	County Wide Drainage Master Plan Study	Bee County	Drainage Master Planning Study - Bee County	Watershed planning	500,000	1617	5.24	7.86	6275	5.7	8.53	27	3.04	7.59	34	4.95	9.91	400	6.75	3.37	113.09	4.36	10462.88	6.10	47.73	122
041000002	4	Newton County Flood Hazard Mapping	Newton County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	2,340,000	3237	5.69	8.53	2585	5.2	7.73	324	4.93	12.32	10	3.52	7.04	10	3.03	1.51	152.48	4.60	8621.12	5.98	47.72	123
031000086	3	Liberty County DMP	Liberty County	Evaluate County and identify future projects.	Watershed planning	500,000	7897	6.27	9.40	46649	6.9	10.35	87	3.93	9.81	6	2.93	5.85	0	0	0	256.55	5.02	69006.02	7.26	47.70	124
031000048	3	Irving Levee District Flood Risk Assessment	Irving	Conduct review of the area in the four levee districts that would be inundated by a levee failure. Analyze all available routes out of the Levee Districts and any new streets that would not be flooded.	Watershed planning	250,000	4589	5.92	8.87	384117	8.2	12.25	31	3.14	7.85	30	4.81	9.61	0	0	0	85.33	4.14	1397.40	4.87	47.60	125
031000358	3	City of Irving DMP	Irving	Evaluate city and identify future projects	Watershed planning	500,000	4589	5.92	8.87	384117	8.2	12.25	31	3.14	7.85	30	4.81	9.61	0	0	0	85.33	4.14	1397.40	4.87	47.60	125
031000022	3	Liberty County FEMA Mapping	Liberty County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,214,000	8682	6.33	9.49	46649	6.9	10.35	87	3.93	9.81	6	2.93	5.85	0	0	0	256.55	5.02	48897.01	7.05	47.58	127
081001068	8	FBCDD Drop Structures - Condition Assessments & Upgrades	Fort Bend County	Create inventory of structures and condition, prioritize and design upgrades to structures as needed.	Preparedness	2,712,000	14277	6.65	9.98	26966	6.6	9.85	28	3.06	7.66	2	1.69	3.39	1167	7.83	3.92	299.90	5.15	95253.60	7.46	47.40	128
061000181	6	Cypress Creek Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	1,230,000	4159	5.85	8.78	13877	6.2	9.25	87	3.93	9.81	18	4.21	8.42	18	3.62	1.81	109.48	4.34	1659.60	4.97	47.38	129
061000521	6	Cypress Creek Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cypress Creek watershed.	Watershed planning	10,768,000	4159	5.85	8.78	13877	6.2	9.25	87	3.93	9.81	18	4.21	8.42	18	3.62	1.81	109.48	4.34	1659.60	4.97	47.38	129
061000522	6	Cypress Creek - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cypress Creek watershed.	Watershed planning	67,763,000	4159	5.85	8.78	13877	6.2	9.25	87	3.93	9.81	18	4.21	8.42	18	3.62	1.81	109.48	4.34	1659.60	4.97	47.38	129
111000122	11	Kerr County Center Point Storm Drainage Infrastructure Project Planning	Kerr County	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Project planning	125,000	4224	5.86	8.79	7638	5.8	8.71	6	1.90	4.74	159	6.77	13.53	0	0	0	131.69	4.48	29308.75	6.74	46.99	132
111000123	11	Kerr County Dam Integrity Study	Kerr County	Create a dam integrity study and identify repairs to be made to County dams as necessary.	Preparedness	500,000	4224	5.86	8.79	7638	5.8	8.71	6	1.90	4.74	159	6.77	13.53	0	0	0	131.69	4.48	29308.75	6.74	46.99	132
111000127	11	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Upper Guadalupe River Authority	Study to evaluate the flood benefits and cost-effectiveness of UGRA's existing nine Kerr County facilities. Evaluation would include H&H modeling and financial data to determine flood risk reduction. Results could guide decisions on future facilities.	Watershed planning	250,000	4224	5.86	8.79	7638	5.8	8.71	6	1.90	4.74	159	6.77	13.53	0	0	0	131.69	4.48	29308.75	6.74	46.99	132
091000056	9	Midland County DMP	Andrews County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	8432	6.31	9.46	23148	6.5	9.71	22	2.88	7.20	28	4.73	9.45	0	0	0	289.52	5.12	8596.42	5.98	46.93	135
091000057	9	Midland County FEMA Mapping	Andrews County	Update existing FEMA Mapping	Watershed planning	926,000	8432	6.31	9.46	23148	6.5	9.71	22	2.88	7.20	28	4.73	9.45	0	0	0	289.52	5.12	8596.42	5.98	46.93	135
091000058	9	Midland County GIS Development	Andrews County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	8432	6.31	9.46	23148	6.5	9.71	22	2.88	7.20	28	4.73	9.45	0	0	0	289.52	5.12	8596.42	5.98	46.93	135
031000037	3	Denton HUC-8 - Hog Branch Flood Risk Identification	North Central Texas Council of Govt	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,115,000	1002	4.93	7.39	248093	7.9	11.86	19	2.77	6.92	30	4.81	9.61	0	0	0	107.25	4.32	30212.21	6.75	46.86	138
031000376	3	Project 14 – Ridgeway Circle and Ridgeway Drive System	Richardson	Study to reduce flooding at residential structures along Laguna Drive by replacing undersized storm sewer and constructing additional curb inlets. Est const cost = $1,700,000	Project planning	250,000	7440	6.23	9.34	49656	6.9	10.40	323	4.92	12.31	9	3.40	6.79	0	0	0	231.39	4.94	66.64	3.00	46.79	139
111000179	11	Kerr County Drainage Master Plan	Kerr County	Drainage Master Plan, implemented in multiple phases by watershed, with a focus on developing new Atlas 14 flood risk models and maps, and identification of flood reduction projects	Watershed planning	3,000,000	3831	5.80	8.70	7416	5.8	8.69	6	1.90	4.74	158	6.76	13.52	0	0	0	124.14	4.44	28073.85	6.71	46.78	140
011000206	1	Upper Prairie Dog Town Fork Red Dams	Donley County SWCD, Hall Childress SWCD	Perform a watershed-wide evaluation of 4 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	189,000	1785	5.30	7.95	4434	5.5	8.22	21	2.84	7.11	22	4.44	8.89	22	3.82	1.91	183.88	4.75	146815.02	7.72	46.56	141
011000098	1	Wichita Falls City Drainage Master Plan	Wichita Falls	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Update existing drainage mater plan. Selected based on survey responses and needs analysis.	Watershed planning	1,000,000	3091	5.66	8.49	9885	6.0	8.94	51	3.52	8.80	46	5.31	10.62	53	4.71	2.35	121.38	4.42	43.71	2.74	46.37	142
051000019	5	Smith County Update Flood Hazard Mapping	Smith County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,225,342	2347	5.48	8.22	6216	5.7	8.53	72	3.78	9.45	42	5.20	10.40	42	4.47	2.24	50.01	3.71	216.39	3.72	46.27	143
051000040	5	Smith County Master Drainage Plan	Smith County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	538,612	2347	5.48	8.22	6216	5.7	8.53	72	3.78	9.45	42	5.20	10.40	42	4.47	2.24	50.01	3.71	216.39	3.72	46.27	143
051000154	5	Smith County Drainage Capacity Upgrades	Smith County	Study to evaluate existing culverts within Smith County and identify culverts that need to be upgraded.	Project planning	225,000	2347	5.48	8.22	6216	5.7	8.53	72	3.78	9.45	42	5.20	10.40	42	4.47	2.24	50.01	3.71	216.39	3.72	46.27	143
071000118	7	John Montford Dam Evaluation	Lubbock County	Access the current condition of the intake tower, bridge and structure at John Montford Dam. Evaluate the seepage through the Dam.	Project planning	417,000	6880	6.18	9.27	20269	6.4	9.59	9	2.20	5.50	29	4.77	9.54	0	0	0	357.54	5.29	50570.15	7.07	46.26	146
071000177	7	Lubbock County DCM	Lubbock County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	6880	6.18	9.27	20269	6.4	9.59	9	2.20	5.50	29	4.77	9.54	0	0	0	357.54	5.29	50570.15	7.07	46.26	146
071000178	7	Lubbock County Floodplain Open Space Program	Lubbock County	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	1,000,000	6880	6.18	9.27	20269	6.4	9.59	9	2.20	5.50	29	4.77	9.54	0	0	0	357.54	5.29	50570.15	7.07	46.26	146
071000212	7	Lubbock County Floodplain Open Space Program	Lubbock County	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	1,000,000	6880	6.18	9.27	20269	6.4	9.59	9	2.20	5.50	29	4.77	9.54	0	0	0	357.54	5.29	50570.15	7.07	46.26	146
061000191	6	Spring Creek - Construction of a Reservoir along Spring Creek	Harris County Flood Control District	Further study for design and construction of a future flood control dam and reservoir in the Spring Creek watershed.	Project planning	870,000	4185	5.86	8.78	17055	6.3	9.44	44	3.41	8.52	27	4.68	9.37	27	4.03	2.01	106.13	4.31	231.65	3.77	46.20	150
061000515	6	Spring Creek - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Creek watershed.	Watershed planning	7,219,000	4185	5.86	8.78	17055	6.3	9.44	44	3.41	8.52	27	4.68	9.37	27	4.03	2.01	106.13	4.31	231.65	3.77	46.20	150
061000539	6	Spring Creek Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Creek watershed.	Watershed planning	343,000	4185	5.86	8.78	17055	6.3	9.44	44	3.41	8.52	27	4.68	9.37	27	4.03	2.01	106.13	4.31	231.65	3.77	46.20	150
061000463	6	Southeast Montgomery County Master Drainage Plan	Montgomery County	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	1,170,000	10008	6.42	9.63	16360	6.3	9.40	37	3.28	8.19	17	4.14	8.28	17	3.56	1.78	212.79	4.87	296.67	3.92	46.07	153
071000018	7	City of Abilene Update FEMA Mapping	Abilene	Update City of Abilene models to modern software, update FEMA maps	Watershed planning	321,000	10861	6.47	9.71	25333	6.5	9.80	10	2.28	5.70	58	5.58	11.16	0	0	0	218.50	4.89	1234.78	4.79	46.06	154
071000127	7	City of Abilene Higher Standards Program	Abilene	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulativ	Project planning	100,000	10861	6.47	9.71	25333	6.5	9.80	10	2.28	5.70	58	5.58	11.16	0	0	0	218.50	4.89	1234.78	4.79	46.06	154

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000463	3	Denton SWCD Watershed-wide Dam Evaluations	Denton SWCD	Denton watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	618,000	4555	5.91	8.87	659580	8.5	12.74	0	0	0	96	6.17	12.35	0	0	0	240.59	4.97	53563.59	7.11	46.03	156
071000215	7	Mackenzie Park South - Santa Land Rd	Lubbock County	Mackenzie Park South - Santa Land Rd Area of Interest	Project planning	100,000	1700	5.27	7.91	3067	5.3	7.89	6	1.90	4.74	67	5.75	11.50	0	0	0	1255.68	6.30	122194.66	7.61	45.95	157
031000516	3	Kaufman County Countywide Drainage Study - Phase 2	Kaufman County	Kaufman Countywide Drainage Study – Phase 2. Development of detailed hydraulic models for additional areas of high flood risk identified in Phase 1. Perform alternatives analysis and develop FMPs for second cycle of the State Flood Plan.	Watershed planning	250,000	4233	5.86	8.79	478856	8.3	12.45	0	0	0	91	6.11	12.22	0	0	0	230.37	4.93	108152.98	7.54	45.94	158
151000447	15	Cameron County - Holistic HUC Flood Protection Study	Cameron County	Develop flood risk maps for the Cameron County and develop CIP.	Watershed planning	1,500,000	18210	6.81	10.21	49595	6.9	10.40	39	3.32	8.29	0	0	0	1461	8.06	4.03	733.67	5.87	54851.84	7.12	45.92	159
091000105	9	Tom Green County DMP	Tom Green County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	5166	5.99	8.99	9987	6.0	8.95	7	2.01	5.03	47	5.33	10.67	0	0	0	253.47	5.01	48794.72	7.05	45.70	160
091000107	9	Tom Green County GIS Development	Tom Green County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	5166	5.99	8.99	9987	6.0	8.95	7	2.01	5.03	47	5.33	10.67	0	0	0	253.47	5.01	48794.72	7.05	45.70	160
061000419	6	Houston Huntington Village Area Flood Mitigation	Houston	Further study to develop this project into a FMP. The project includes storm sewer improvements in the Huntington Village neighborhood to reduce structural flood loss.	Project planning	30,000	32098	7.18	10.76	177410	7.7	11.56	402	5.09	12.73	1	1.03	2.07	1	0.89	0.44	412.20	5.40	41.83	2.72	45.68	162
091000106	9	Tom Green County FEMA Mapping	Menard County	Update Existing FEMA Mapping	Watershed planning	1,457,000	5164	5.99	8.99	9987	6.0	8.95	7	2.01	5.03	46	5.31	10.62	0	0	0	252.77	5.01	48639.63	7.05	45.65	163
031000020	3	Kaufman County FEMA Mapping	Kaufman County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	985,000	2086	5.40	8.11	106075	7.4	11.09	13	2.48	6.20	16	4.07	8.14	0	0	0	148.13	4.58	88118.05	7.41	45.53	164
101000213	10	Wharton County Drainage Master Plan Update	Wharton County	Watershed Study, implemented in several phases by watershed and based on local match funds available	Watershed planning	4,000,000	7119	6.20	9.30	15780	6.2	9.37	8	2.11	5.28	18	4.21	8.42	0	0	0	367.95	5.31	177474.02	7.84	45.52	165
111000003	11	Caldwell County Bridge Improvements Project Planning	Caldwell County	Project planning for proposed project to replace antiquated bridges built before 1950. These bridges cannot support the weight of emergency vehicles. In addition, upgraded bridge infrastructure would reduce backwater flooding at undersized crossings.	Project planning	256,000	2042	5.39	8.09	5352	5.6	8.39	8	2.11	5.28	102	6.24	12.49	0	0	0	100.64	4.27	42986.46	6.97	45.48	166
061000184	6	White Oak Bayou Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	800,000	17090	6.77	10.15	85064	7.3	10.89	145	4.31	10.79	4	2.46	4.92	4	2.12	1.06	280.87	5.09	28.37	2.48	45.38	167
061000523	6	White Oak Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for White Oak Bayou watershed.	Watershed planning	46,676,000	17090	6.77	10.15	85064	7.3	10.89	145	4.31	10.79	4	2.46	4.92	4	2.12	1.06	280.87	5.09	28.37	2.48	45.38	167
061000524	6	White Oak Bayou Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in White Oak Bayou watershed.	Watershed planning	4,897,000	17090	6.77	10.15	85064	7.3	10.89	145	4.31	10.79	4	2.46	4.92	4	2.12	1.06	280.87	5.09	28.37	2.48	45.38	167
131000041	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Construct Storm Drainage Infrastructure (Jim Wells County)	Jim Wells County	This action proposes constructing new storm drainage infrastructure to reduce the potential impacts of future flood events.	Project planning	159,000	2398	5.49	8.24	8685	5.9	8.83	9	2.20	5.50	13	3.83	7.65	624	7.20	3.60	201.29	4.83	25815.62	6.66	45.31	170
131000042	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Purchase Portable Pumps	Jim Wells County	This action proposes purchasing portable pumps that can be deployed as needed to reduce the potential impacts of future flood events.	Project planning	40,000	2398	5.49	8.24	8685	5.9	8.83	9	2.20	5.50	13	3.83	7.65	624	7.20	3.60	201.29	4.83	25815.62	6.66	45.31	170
131000043	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Conduct Dam / Levee Failure Studies (Jim Wells County)	Jim Wells County	Jim Wells County will work with local dam / levee owners to conduct relevant studies to identify peak flow rates and expected inundations in the event of local dam failures.	Project planning	689,000	2398	5.49	8.24	8685	5.9	8.83	9	2.20	5.50	13	3.83	7.65	624	7.20	3.60	201.29	4.83	25815.62	6.66	45.31	170
071000220	7	Double Mountain Fork Brazos Dams	Lubbock	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	1740	5.29	7.93	5456	5.6	8.41	5	1.76	4.40	25	4.59	9.19	25	3.95	1.98	821.16	5.96	93895.36	7.45	45.31	173
011000041	1	Randall County FIS	Randall County	Update flood insurance study for the county and develop regulatory mapping	Watershed planning	872,000	1781	5.30	7.95	4663	5.5	8.27	21	2.84	7.11	20	4.33	8.66	20	3.73	1.86	152.68	4.60	32847.93	6.81	45.26	174
011000057	1	Randall County Drainage Master Plan	Randall County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	1781	5.30	7.95	4663	5.5	8.27	21	2.84	7.11	20	4.33	8.66	20	3.73	1.86	152.68	4.60	32847.93	6.81	45.26	174
031000027	3	Parker County FEMA Mapping	Parker County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,144,000	1953	5.36	8.04	86160	7.3	10.90	18	2.73	6.82	22	4.44	8.89	0	0	0	60.73	3.86	25497.34	6.65	45.16	176
031000046	3	Parker County Dam Inundation Study	Parker County, Willow Park	Conduct a dam inundation study	Watershed planning	569,000	1953	5.36	8.04	86160	7.3	10.90	18	2.73	6.82	22	4.44	8.89	0	0	0	60.73	3.86	25497.34	6.65	45.16	176
031000088	3	Parker County DMP	Parker County, Willow Park	Evaluate County and identify future projects.	Watershed planning	500,000	1953	5.36	8.04	86160	7.3	10.90	18	2.73	6.82	22	4.44	8.89	0	0	0	60.73	3.86	25497.34	6.65	45.16	176
071000226	7	North Fork Double Mountain Fork Brazos Dams	Ransom Canyon	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	6495	6.14	9.21	19818	6.4	9.57	9	2.20	5.50	9	3.40	6.79	9	2.92	1.46	467.75	5.50	53624.61	7.11	45.15	179
031000426	3	Woody Branch Floodplain Management Study	Dallas	Proposed minor channel reccification to alleviate the flooding of five (5) houses on Woody Branch, a tributary in Fivemile Creek.	Watershed planning	250,000	9512	6.39	9.58	29393	6.6	9.93	716	5.53	13.82	1	1.03	2.07	0	0	0	547.86	5.63	350.26	4.02	45.06	180
051000145	5	Feasibility Assessment for Increase in Size of Culverts and Railroad Trestles on Major Drainage Structures Throughout Orange County	Orange County Drainage District	H&H Study to analyze most efficient alternatives for dredging, widening, or otherwise improving culverts and railroad trestles within Orange County.	Project planning	150,000	5007	5.97	8.96	8737	5.9	8.83	36	3.25	8.14	20	4.33	8.66	20	3.73	1.86	136.13	4.51	346.02	4.01	44.98	181
051000146	5	Feasibility Assessment of the Capacity of Drainage Ditches and Channels that Convey Stormwater from Neighborhoods Located Within Orange County	Orange County Drainage District	H&H Study to analyze most efficient alternatives for improving existing drainage ditches and channels linked to neighborhoods within Orange County.	Project planning	100,000	5007	5.97	8.96	8737	5.9	8.83	36	3.25	8.14	20	4.33	8.66	20	3.73	1.86	136.13	4.51	346.02	4.01	44.98	181
051000147	5	Orange County DD Harvey Repairs	Orange County Drainage District	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of repairing damage to drainage ditches, crossings, culverts, levees, and right-of-ways caused by Hurricane Harvey to restore pre-flood capacity.	Project planning	130,000	5007	5.97	8.96	8737	5.9	8.83	36	3.25	8.14	20	4.33	8.66	20	3.73	1.86	136.13	4.51	346.02	4.01	44.98	181
051000148	5	Orange County DD SW Detention/Retention Facilities	Orange County Drainage District	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of stormwater detention/retention facilities throughout OCDD.	Project planning	130,000	5007	5.97	8.96	8737	5.9	8.83	36	3.25	8.14	20	4.33	8.66	20	3.73	1.86	136.13	4.51	346.02	4.01	44.98	181
051000013	5	Orange County Update Flood Hazard Mapping	Orange County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	760,000	5007	5.97	8.96	8737	5.9	8.83	36	3.25	8.14	20	4.33	8.66	20	3.73	1.86	136.13	4.51	346.02	4.01	44.98	185

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
051000034	5	Orange County Master Drainage Plan	Orange County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	450,000	5007	5.97	8.96	8737	5.9	8.83	36	3.25	8.14	20	4.33	8.66	20	3.73	1.86	136.13	4.51	346.02	4.01	44.98	185
091000130	9	City of Odessa Flood Early Warning System	Odessa	Install a flood early warning system along flood prone waterways for the City of Odessa.	Preparedness	10,000	18125	6.81	10.21	42321	6.8	10.26	21	2.84	7.11	49	5.38	10.77	49	4.63	2.31	104.00	4.29	0	0	44.96	187
151000126	15	City of Laredo	Laredo	Develop Flood risk maps for the city of Laredo and develop CIP	Watershed planning	1,000,000	7772	6.26	9.39	31298	6.7	9.99	12	2.42	6.05	18	4.21	8.42	429	6.82	3.41	249.12	5.00	36.12	2.63	44.87	188
091000031	9	Ector County DMP	Andrews County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	13045	6.59	9.89	31733	6.7	10.00	13	2.48	6.20	34	4.95	9.91	0	0	0	306.47	5.16	168.51	3.57	44.73	189
091000032	9	Ector County GIS Development	Andrews County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	13045	6.59	9.89	31733	6.7	10.00	13	2.48	6.20	34	4.95	9.91	0	0	0	306.47	5.16	168.51	3.57	44.73	189
091000034	9	Ector County FEMA Mapping	Andrews County	Update existing FEMA Mapping.	Watershed planning	857,000	13045	6.59	9.89	31733	6.7	10.00	13	2.48	6.20	34	4.95	9.91	0	0	0	306.47	5.16	168.51	3.57	44.73	189
091000035	9	Ector County Stormwater Contaminant Study	Andrews County	Conduct a study to determine pollutant levels in County areas nearby sewer system for level of contaminants before and after a flood event.	Preparedness	100,000	13045	6.59	9.89	31733	6.7	10.00	13	2.48	6.20	34	4.95	9.91	0	0	0	306.47	5.16	168.51	3.57	44.73	189
091000033	9	Ector County Buyout Program Study	Andrews County	In the area of 61st Street and Benefield, Florida in north western area of county, structures have experienced repetitive losses from flooding. Proposed evaluation of potential mitigation project.	Project planning	100,000	13045	6.59	9.89	31733	6.7	10.00	13	2.48	6.20	34	4.95	9.91	0	0	0	306.46	5.16	168.39	3.57	44.73	193
111000096	11	Comal County Evacuation and Dam Safety Plan	Comal County	Develop evacuation and dam safety plan for coordination with USACE and dam re-enforcement.	Preparedness	50,000	3677	5.77	8.66	9129	5.9	8.87	6	1.90	4.74	77	5.91	11.83	0	0	0	92.61	4.20	9463.31	6.04	44.34	194
111000098	11	Comal County Voluntary Buyout Program Project Planning	Comal County	Project planning to remediate repetitive losses along the Guadalupe River by acquiring flood damaged structures and converting acquired land to open(green)space.	Project planning	357,000	3677	5.77	8.66	9129	5.9	8.87	6	1.90	4.74	77	5.91	11.83	0	0	0	92.61	4.20	9463.31	6.04	44.34	194
111000099	11	Comal County Retention Dam Project Planning	Comal County	Project planning for proposed project to design and construct 4 retention dams to assist in controlling flash flooding in municipalities and unincorporated areas of the county.	Project planning	8,000,000	3677	5.77	8.66	9129	5.9	8.87	6	1.90	4.74	77	5.91	11.83	0	0	0	92.61	4.20	9463.31	6.04	44.34	194
111000175	11	Comal County Drainage Master Plan	Comal County	Creation of drainage master plan for Comal County, possibly in multiple phases, by watershed	Watershed planning	3,000,000	3677	5.77	8.66	9129	5.9	8.87	6	1.90	4.74	77	5.91	11.83	0	0	0	92.61	4.20	9463.31	6.04	44.34	194
071000222	7	Yellow House Draw Dams	Parmer SWCD	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	995	4.92	7.39	1323	4.8	7.13	2	1.10	2.75	50	5.41	10.81	50	4.65	2.33	1176.50	6.25	126060.11	7.63	44.27	198
031000434	3	Coombs Creek Bridge @ Colorado	Dallas	Proposed bridge installment and to raise Colorado Road for flood protection. Anticipated const. cost = $1,439,000	Project planning	250,000	7688	6.25	9.37	20045	6.4	9.58	347	4.98	12.45	6	2.93	5.85	0	0	0	280.22	5.09	8.51	1.74	44.09	199
061000183	6	Sims Bayou Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	470,000	5854	6.07	9.11	22203	6.5	9.68	73	3.79	9.48	10	3.52	7.04	10	3.03	1.51	102.98	4.29	50.52	2.83	43.94	200
061000514	6	Sims Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Sims Bayou watershed.	Watershed planning	1,599,000	5854	6.07	9.11	22203	6.5	9.68	73	3.79	9.48	10	3.52	7.04	10	3.03	1.51	102.98	4.29	50.52	2.83	43.94	200
111000054	11	City of San Marcos Regional Detention Study	San Marcos	Study of solutions for regional detention and water quality strategies.	Watershed planning	200,000	3190	5.68	8.52	15045	6.2	9.32	15	2.59	6.47	38	5.08	10.17	0	0	0	70.96	3.99	3684.78	5.46	43.94	202
111000142	11	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	San Marcos	Alternatives analysis to determine if a feasible FMP exists at this location. Develop technical data required for FMPs.	Project planning	50,000	3190	5.68	8.52	15045	6.2	9.32	15	2.59	6.47	38	5.08	10.17	0	0	0	70.96	3.99	3684.78	5.46	43.94	202
031000459	3	Collin County SWCD Watershed-wide Dam Evaluations	Collin County SWCD	Collin county watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	858,000	2844	5.61	8.41	927410	8.7	13.05	0	0	0	55	5.52	11.04	0	0	0	145.97	4.57	34183.82	6.83	43.89	204
061000403	6	Halls Bayou - Design and Construction of a Stormwater Detention Basin in Brock Park	Harris County Flood Control District	Develop BCA to become a FMP. Provides additional stormwater detention in support of flood damage reduction as part of the Halls Ahead Bond Implementation Program. The project will be a partnership with the City of Houston.	Project planning	30,000	12415	6.56	9.84	34396	6.7	10.07	98	4.02	10.04	7	3.10	6.21	7	2.67	1.33	122.00	4.42	9.65	1.82	43.74	205
061000404	6	Halls Bayou - Planning, Right-Of-Way, Design and Construction of Halls Bayou Flood Risk Management Project	Harris County Flood Control District	Develop BCA to become a FMP. Projects as part of the Halls Ahead Bond Implementation Program, could reduce the risk of flooding for more than 700 structures in an Atlas 14 1% rainfall event.	Other	30,000	12415	6.56	9.84	34396	6.7	10.07	98	4.02	10.04	7	3.10	6.21	7	2.67	1.33	122.00	4.42	9.65	1.82	43.74	205
021000005	2	Lamar County FIS	Lamar County	Update County maps to Zone AE	Watershed planning	2,465,000	1644	5.25	7.87	3603	5.4	8.03	33	3.19	7.97	15	3.99	7.99	0	0	0	221.52	4.90	42825.27	6.97	43.74	207
051000099	5	Lateral B4A and B4A Ext. Improvements	Jefferson County Drainage District 7	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.	Project planning	225,000	5013	5.97	8.96	12745	6.1	9.17	83	3.89	9.72	3	2.14	4.27	3	1.84	0.92	160.41	4.64	9044.30	6.01	43.70	208
051000100	5	Rodair Pump Station	Jefferson County Drainage District 7	Evaluate project to quantify benefits, evaluate impacts, and begin design.	Project planning	2,000,000	5013	5.97	8.96	12745	6.1	9.17	83	3.89	9.72	3	2.14	4.27	3	1.84	0.92	160.41	4.64	9044.30	6.01	43.70	208
051000101	5	Upgrade to Lateral B4B	Jefferson County Drainage District 7	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.	Project planning	50,000	5013	5.97	8.96	12745	6.1	9.17	83	3.89	9.72	3	2.14	4.27	3	1.84	0.92	160.41	4.64	9044.30	6.01	43.70	208
011000210	1	Rita Blanca Dams	Dalhart	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	939	4.89	7.33	1496	4.8	7.24	5	1.76	4.40	57	5.56	11.12	57	4.78	2.39	80.23	4.09	46152.99	7.01	43.58	211
061000011	6	City of Galveston Master Drainage Study	Galveston	City wide drainage and flood risk reduction planning study of Galveston to include Atlas 14 rainfall.	Watershed planning	1,000,000	23114	6.96	10.45	64429	7.1	10.64	504	5.26	13.16	0	0	0	0	0	0	422.44	5.42	263.71	3.85	43.51	212
061000038	6	Brazoria County Costal River Flood Extent Analysis	Brazoria County	Study to determine flood extents, in Brazoria County, of recent hurricane disasters, by analyzing the post event aerial imagery through a GIS image classification process, and compare the flood extent area to other sources, such as LIDAR.	Watershed planning	50,000	18836	6.83	10.25	38615	6.8	10.18	246	4.72	11.79	0	0	0	0	0	0	328.07	5.22	8584.16	5.98	43.42	213
061000046	6	Brazoria County Drainage Improvements	Brazoria County	Drainage study needed and evaluated of alternatives include: Widen and reshape drainage ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	Project planning	350,000	18836	6.83	10.25	38615	6.8	10.18	246	4.72	11.79	0	0	0	0	0	0	328.07	5.22	8584.16	5.98	43.42	213
061000048	6	Brazoria County Property Protection	Brazoria County	Further study required to assess alternatives to restore drainage and mitigate flooding throughout the county.	Project planning	500,000	18836	6.83	10.25	38615	6.8	10.18	246	4.72	11.79	0	0	0	0	0	0	328.07	5.22	8584.16	5.98	43.42	213
061000078	6	Dam and Levee Failure Inundation Map Update	Brazoria County	Study by each jurisdiction to update their dam and levee failure inundation maps to identify the probability and impact of a dam and levee failures.	Watershed planning	2,200,000	18836	6.83	10.25	38615	6.8	10.18	246	4.72	11.79	0	0	0	0	0	0	328.07	5.22	8584.16	5.98	43.42	213
061000301	6	Brazoria Flood Mapping Updates	Brazoria County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	6,440,000	18836	6.83	10.25	38615	6.8	10.18	246	4.72	11.79	0	0	0	0	0	0	328.07	5.22	8584.16	5.98	43.42	213
061000055	6	City of Galveston Coastal Road Elevation	Galveston	Elevate coastal roads to better protect public during evacuation and to protect the roads from flood damage, where feasible.	Project planning	1,000,000	21848	6.93	10.39	64299	7.1	10.64	500	5.26	13.14	0	0	0	0	0	0	408.63	5.40	260.89	3.84	43.40	218

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000069	6	City of Galveston Shoreline Protection	Galveston	Further study and FMP development of a proposed shoreline protection for areas prone to coastal erosion.	Project planning	50,000	21848	6.93	10.39	64299	7.1	10.64	500	5.26	13.14	0	0	0	0	0	0	408.63	5.40	260.89	3.84	43.40	218
061000071	6	City of Galveston Dune Restoration	Galveston	Study of dune system to determine needs and flood damage reduction potential of restoration.	Project planning	1,000,000	21848	6.93	10.39	64299	7.1	10.64	500	5.26	13.14	0	0	0	0	0	0	408.63	5.40	260.89	3.84	43.40	218
061000213	6	City of Conroe Riverine Study and Mapping Improvements	Conroe	Study and new modeling for moderate to low quality areas and revise the flood maps using the results from the updated modeling.	Watershed planning	500,000	3460	5.73	8.60	9102	5.9	8.87	40	3.33	8.34	18	4.21	8.42	18	3.62	1.81	83.79	4.12	98.03	3.24	43.39	221
061000214	6	April Sound Subdivision Evaluation	Conroe	Detailed analysis to be completed for the entire development using detailed storm sewer modeling.	Project planning	1,700,000	3460	5.73	8.60	9102	5.9	8.87	40	3.33	8.34	18	4.21	8.42	18	3.62	1.81	83.79	4.12	98.03	3.24	43.39	221
061000215	6	City of Conroe Downtown Master Drainage Plan	Conroe	Full as-built storm sewer intventory survey and a full drainage study recommended.	Project planning	750,000	3460	5.73	8.60	9102	5.9	8.87	40	3.33	8.34	18	4.21	8.42	18	3.62	1.81	83.79	4.12	98.03	3.24	43.39	221
031000006	3	Cooke County FEMA Mapping	Cooke County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,133,000	1328	5.11	7.67	38195	6.8	10.17	6	1.90	4.74	32	4.88	9.77	0	0	0	81.36	4.10	40870.18	6.94	43.38	224
031000079	3	Cooke County DMP	Cooke County	Evaluate County to identify future projects.	Watershed planning	500,000	1328	5.11	7.67	38195	6.8	10.17	6	1.90	4.74	32	4.88	9.77	0	0	0	81.36	4.10	40870.18	6.94	43.38	224
031000125	3	Cooke County Low-Water Crossing Barriers Evaluation	Cooke County	Evaluate installation of automatic flood crossing barriers at low water crossing to prevent automobiles from driving through high water.	Project planning	500,000	1328	5.11	7.67	38195	6.8	10.17	6	1.90	4.74	32	4.88	9.77	0	0	0	81.36	4.10	40870.18	6.94	43.38	224
141000018	14	Conduct flood risk assessment at El Paso locations where drainage is controlled by river stage, and there are significant flood risks on the non-river side of the levee.	El Paso Water, El Paso County	Identify the Rio Grande outfalls that are most susceptible to blockage, and most likely to allow flood damage during periods of high river stage.	Preparedness	70,000	12341	6.56	9.84	34914	6.7	10.09	16	2.64	6.59	2	1.69	3.39	20	3.73	1.86	228.13	4.93	26706.90	6.68	43.37	227
141000001	14	Develop a plan for a Sediment and Vegetation Control Program in the Rio Grande at El Paso	El Paso Water, El Paso County, EPCWID1	Assess Rio Grande capacity in El Paso County considering updated hydrology, sediment, and vegetation conditions. Establish maintenance program with minimum risk-based channel capacity. Address maintenance agreements between U.S. and Mexico.	Preparedness	107,000	12341	6.56	9.84	34727	6.7	10.08	16	2.64	6.59	2	1.69	3.39	20	3.73	1.86	228.13	4.93	26706.90	6.68	43.37	228
031000059	3	City of Denton DMP	Denton	Evaluate City and identify future projects.	Watershed planning	1,000,000	935	4.88	7.33	146588	7.6	11.38	9	2.20	5.50	39	5.12	10.23	0	0	0	33.97	3.39	3799.85	5.48	43.32	229
061000235	6	City of Dickinson Master Drainage Plan	Dickinson	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	320,000	5622	6.05	9.07	15510	6.2	9.35	76	3.82	9.56	10	3.52	7.04	10	3.03	1.51	78.90	4.07	37.74	2.65	43.26	230
031000013	3	Henderson County FEMA Mapping	Henderson County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,295,000	2066	5.40	8.10	46636	6.9	10.35	15	2.59	6.47	11	3.63	7.26	0	0	0	74.63	4.03	40351.02	6.93	43.14	231
031000436	3	Coombs Creek Culvert @ Hampton	Dallas	Proposed storm drainage improvements by adding two (2) culverts along Hampton Road.	Project planning	465,000	6479	6.14	9.21	14271	6.2	9.28	300	4.87	12.17	6	2.93	5.85	0	0	0	224.65	4.91	7.37	1.65	43.07	232
051000090	5	Hardin County SE Area Drainage System	Hardin County	H&H study to identify alternatives for developing a large drainage system to drain Lumberton directly into the Neches River, instead of Pine Island Bayou.	Project planning	1,250,000	3678	5.77	8.66	7212	5.8	8.66	25	2.98	7.44	13	3.83	7.65	13	3.29	1.65	135.79	4.51	743.47	4.48	43.05	233
051000006	5	Hardin County Update Flood Hazard Mapping	Hardin County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,800,000	3678	5.77	8.66	7212	5.8	8.66	25	2.98	7.44	13	3.83	7.65	13	3.29	1.65	135.80	4.51	743.24	4.48	43.05	234
051000027	5	Hardin County Master Drainage Plan	Hardin County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,000,000	3678	5.77	8.66	7212	5.8	8.66	25	2.98	7.44	13	3.83	7.65	13	3.29	1.65	135.80	4.51	743.24	4.48	43.05	234
051000089	5	Hardin County South Area Drainage System	Hardin County	H&H study to identify alternatives for developing a drainage system to drain / retain flood waters around the communities of Pinewood, Countrywood, Bevil Oaks, and Rose Hill	Project planning	1,000,000	3676	5.77	8.66	7210	5.8	8.66	25	2.98	7.44	13	3.83	7.65	13	3.29	1.65	135.74	4.51	743.47	4.48	43.05	236
141000036	14	Install Instrumentation to Enhance Estimate of Flood Risk for City of Alpine	Alpine city, Brewster County	Procure and install 5 stage gages and 6 precipitation gages in and upstream of the City of Alpine, Texas.	Project planning	94,400	1877	5.34	8.00	4684	5.5	8.27	5	1.76	4.40	35	4.99	9.98	822	7.48	3.74	44.74	3.62	1762.48	5.01	43.01	237
011000040	1	Potter County FIS	Potter County	Update flood insurance study for the county and develop regulatory mapping	Watershed planning	929,000	1083	4.98	7.47	7035	5.8	8.64	13	2.48	6.20	14	3.91	7.83	14	3.37	1.68	78.98	4.07	53184.33	7.10	42.99	238
011000050	1	Potter County Drainage Master Plan	Potter County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	1083	4.98	7.47	7035	5.8	8.64	13	2.48	6.20	14	3.91	7.83	14	3.37	1.68	78.98	4.07	53184.33	7.10	42.99	238
011000113	1	Potter County GIS Development	Potter County	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	1083	4.98	7.47	7035	5.8	8.64	13	2.48	6.20	14	3.91	7.83	14	3.37	1.68	78.98	4.07	53184.33	7.10	42.99	238
031000135	3	Ten Mile Creek Channel Expansion Study	Lancaster	Study to improve and increase the capacity of storm water system by expanding the Ten Mile Creek downstream channel to prevent flooding in flood prone areas to include structural stormwater management projects	Project planning	500,000	1268	5.08	7.62	129300	7.5	11.27	9	2.20	5.50	33	4.92	9.84	0	0	0	39.53	3.52	2245.94	5.16	42.91	241
101000072	10	Prepare Evacuation Plan	Llano County	Create evacuation plan	Preparedness	25,000	2739	5.58	8.37	3718	5.4	8.06	3	1.38	3.46	142	6.63	13.26	0	0	0	15.17	2.75	44594.17	6.99	42.90	242
111000061	11	City of Seguin Drainage Improvements Study	Seguin	Study of solutions to increase drainage capacity, add stormwater detention and/or retention basins, and implement drainage improvements as deemed necessary to reduce flood risk.	Watershed planning	1,100,000	1956	5.36	8.04	4550	5.5	8.24	12	2.42	6.05	52	5.45	10.91	0	0	0	53.00	3.75	5800.23	5.74	42.74	243
111000062	11	City of Seguin Low Water Crossing Improvements Study	Seguin	Study of solutions for drainage improvements at low water crossings.	Watershed planning	1,500,000	1956	5.36	8.04	4550	5.5	8.24	12	2.42	6.05	52	5.45	10.91	0	0	0	53.00	3.75	5800.23	5.74	42.74	243
021000003	2	Fannin County FIS	Fannin County	Update County maps to Zone AE	Watershed planning	2,471,000	1077	4.98	7.46	2014	5.0	7.51	18	2.73	6.82	26	4.64	9.28	0	0	0	170.27	4.69	37510.70	6.89	42.65	245
101000221	10	Burnet County Lower Water Crossing Assessment	Burnet County	Assessment of LWC's includes the evaluation of existing condition LOS, average daily traffic, and emergency access routes to understand risk of each crossing. Post- assessment, LWC's can be prioritized to support future implementation of improvements	Project planning	150,000	3799	5.79	8.69	6359	5.7	8.55	4	1.59	3.98	69	5.79	11.57	0	0	0	34.19	3.40	16335.44	6.38	42.57	246
101000222	10	Burnet County Modeling and Mapping Update	Burnet County	The study should include the development of updated hydrologic and hydraulic models utilizing the best available science and data. Updated floodplain maps can then be used for regulation and update of outdated FEMA maps in this portion of Burnet County	Project planning	4,000,000	3799	5.79	8.69	6359	5.7	8.55	4	1.59	3.98	69	5.79	11.57	0	0	0	34.19	3.40	16335.44	6.38	42.57	246
061000182	6	Hunting Bayou Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	500,000	6241	6.11	9.17	24003	6.5	9.75	93	3.98	9.94	6	2.93	5.85	6	2.52	1.26	101.52	4.27	21.14	2.30	42.54	248
071000221	7	Middle Brazos-Millers Dams	Throckmorton, North Central Texas MWA, Seymour, Benjamin, Newcastle, Newcastle	Perform a watershed-wide evaluation of 6 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	277,000	1663	5.26	7.89	2043	5.0	7.52	4	1.59	3.98	16	4.07	8.14	16	3.50	1.75	400.36	5.38	174520.30	7.83	42.49	249
031000034	3	Wise County FEMA Mapping	Wise County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,317,000	601	4.60	6.90	54897	7.0	10.50	11	2.35	5.88	16	4.07	8.14	0	0	0	99.85	4.26	29584.51	6.74	42.42	250
031000137	3	Carrollton Flood Warning Barrier System Study	Carrollton	Procure and install flood warning barrier system to prevent motorists from driving into flooded areas.	Project planning	300,000	1068	4.97	7.46	174687	7.7	11.54	18	2.73	6.82	19	4.27	8.54	0	0	0	48.36	3.68	617.10	4.37	42.40	251
031000141	3	Carrollton Drainage Upgrades	Carrollton	Evaluate upgrades to drainage and targeted regrading of streets and properties. Add additional drains and supporting infrastructure in older neighborhoods to increase offloading of flash flood waters.	Project planning	1,000,000	1068	4.97	7.46	174687	7.7	11.54	18	2.73	6.82	19	4.27	8.54	0	0	0	48.36	3.68	617.10	4.37	42.40	251
111000107	11	Gonzales County Voluntary Buyout Program Project Planning	Gillespie County	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	Project planning	150,000	1649	5.25	7.88	2086	5.0	7.54	4	1.59	3.98	55	5.52	11.04	0	0	0	123.74	4.43	101450.45	7.50	42.37	253

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000457	3	Kaufman-Van Zandt SWCD Watershed-wide Dam Evaluations	Kaufman-Van Zandt SWCD	Kaufman-Van Zandt watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	738,000	3001	5.64	8.46	189548	7.7	11.62	0	0	0	33	4.92	9.84	0	0	0	218.80	4.89	110669.84	7.55	42.36	254
031000429	3	Coombs Creek Bridge @ Plymouth	Dallas	Proposed bridge installment and to raise Plymouth Road for flood protection. Anticipated const. cost = $6,400,000	Project planning	150,000	5757	6.06	9.09	10542	6.0	9.00	254	4.74	11.85	6	2.93	5.85	0	0	0	209.54	4.86	7.37	1.65	42.31	255
031000093	3	Wise County DMP	Wise County	Evaluate County and identify future projects.	Watershed planning	500,000	492	4.47	6.70	54897	7.0	10.50	11	2.35	5.88	16	4.07	8.14	0	0	0	99.85	4.26	30832.77	6.77	42.25	256
041000091	4	Upper Sabine FIF Phase 2	Sabine River Authority	Development of detailed hydraulic models for additional areas of high flood risk identified in Phase 1. Perform alternatives analysis and develop FMPs for second cycle of the State Flood Plan.	Project planning	250,000	2037	5.39	8.08	11278	6.0	9.06	20	2.81	7.02	3	2.14	4.27	3	1.84	0.92	4404.74	7.31	4404.74	5.57	42.23	257
031000425	3	Joes Creek - West Fork Channel and Culvert Improvements	Dallas	Floodplain study of Joes Creek for the purpose of evaluating flood hazards and establishing floodplain management criteria.	Watershed planning	250,000	5421	6.02	9.04	33365	6.7	10.04	373	5.03	12.58	3	2.14	4.27	0	0	0	256.88	5.02	3.81	1.26	42.21	258
011000208	1	Middle Canadian-Spring Dams	Roberts County SWCD	Perform a watershed-wide evaluation of 2 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	102,000	646	4.64	6.97	1610	4.9	7.30	5	1.76	4.40	26	4.64	9.28	26	3.99	2.00	81.35	4.10	249318.27	8.05	42.09	259
021000018	2	Bowie County FIS	Bowie County, City of De Kalb	Update County maps to Zone AE	Watershed planning	2,282,000	2657	5.56	8.34	6678	5.7	8.59	19	2.77	6.92	7	3.10	6.21	0	0	0	313.55	5.18	30919.45	6.77	42.01	260
021000038	2	City of Texarkana Buyout Study	Bowie County	Study to prepare a strategy and develop a program for voluntary purchase of at-risk properties	Other	250,000	2657	5.56	8.34	6678	5.7	8.59	19	2.77	6.92	7	3.10	6.21	0	0	0	313.55	5.18	30919.45	6.77	42.01	260
141000006	14	Increase Storage Capacity of Fort Bliss Sump	El Paso Water	Excavate Fort Bliss Sump while avoiding newly delineated wetland to increase storage capacity of sump. Requires continued coordination with U.S. Army due to project location on Fort Bliss.	Project planning	30,000	3766	5.79	8.68	24444	6.5	9.76	45	3.42	8.56	2	1.69	3.39	82	5.15	2.57	150.70	4.59	666.10	4.41	41.98	262
021000002	2	Grayson County FIS	Grayson County	Update or improve County to Zone AE	Watershed planning	2,313,000	2569	5.54	8.31	9464	5.9	8.91	23	2.91	7.28	8	3.26	6.52	0	0	0	180.74	4.74	10335.27	6.10	41.85	263
021000057	2	Grayson County Buyout of Repetitive Flood Properties	Grayson County	Work with local jurisdiction in the buy-out of repetitive flood properties. This includes any structures found to be located in flood areas that are in incorporated and unincorporated areas.	Other	250,000	2569	5.54	8.31	9464	5.9	8.91	23	2.91	7.28	8	3.26	6.52	0	0	0	180.74	4.74	10335.07	6.10	41.85	264
051000152	5	Feasibility Assessment of Widening and Deepening Segments of Anderson Gully	Orange County Drainage District	H&H Study to analyze most efficient alternatives for constructing improvements to segments of Anderson Gully.	Project planning	325,000	1366	5.13	7.69	2262	5.1	7.61	194	4.54	11.34	9	3.40	6.79	9	2.92	1.46	35.06	3.42	140.06	3.46	41.78	265
051000123	5	JCDD7 Hurricane Flood Protection Levee Study	Jefferson County Drainage District 7	Study to identify possible upgrades to levees to help reduce the risk of flooding and to help the District review and update levees in jurisdictional area.	Project planning	777,000	4705	5.93	8.90	12671	6.1	9.17	82	3.88	9.70	3	2.14	4.27	3	1.84	0.92	94.59	4.22	875.98	4.58	41.76	266
111000128	11	Victoria County Planning and Development Standards Study	Victoria County	Conduct study for the development and implementation of county wide planning & development standards, sub-division rules, infrastructure rules and building / construction codes.	Watershed planning	100,000	1808	5.31	7.97	4019	5.4	8.13	60	3.64	9.11	5	2.72	5.43	0	0	0	98.51	4.25	33695.71	6.82	41.71	267
111000130	11	Victoria County FIRMs	Victoria County	Engineering Studies to revise Flood Insurance Rate Maps (FIRMs) throughout the County to establish Base Flood Elevations (BFE) in areas that are currently identified as unstudied Zone As.	Watershed planning	500,000	1808	5.31	7.97	4019	5.4	8.13	60	3.64	9.11	5	2.72	5.43	0	0	0	98.51	4.25	33695.71	6.82	41.71	267
111000132	11	Victoria County Bridge Improvements Project Planning	Victoria County	Project planning to raise various County bridges above current Base Flood Elevation (BFE) levels to include such improvements as: box culverts, wingback walls, rip rap, channelization, and road base improvement.	Project planning	500,000	1808	5.31	7.97	4019	5.4	8.13	60	3.64	9.11	5	2.72	5.43	0	0	0	98.51	4.25	33695.71	6.82	41.71	267
111000133	11	Victoria County Voluntary Buyout Program Project Planning	Victoria County	Project planning to implement a voluntary acquisition program for repetitive flood properties.	Project planning	300,000	1808	5.31	7.97	4019	5.4	8.13	60	3.64	9.11	5	2.72	5.43	0	0	0	98.51	4.25	33695.71	6.82	41.71	267
111000145	11	Kendall County Guadalupe River Model Study	Kendall County	Study to complete an HH model for all of the Guadalupe River within Kendall County.	Watershed planning	250,000	1950	5.36	8.04	2968	5.2	7.86	3	1.38	3.46	64	5.70	11.39	0	0	0	78.30	4.07	34191.51	6.83	41.65	271
111000146	11	Kendall County Stream Gauges and Flood Hazard Beacons	Kendall County	Study to evaluate locations for stream gauges and flood hazard beacons.	Preparedness	150,000	1950	5.36	8.04	2968	5.2	7.86	3	1.38	3.46	64	5.70	11.39	0	0	0	78.30	4.07	34191.51	6.83	41.65	271
041000043	4	Feasibility Assessment and Conceptual Design of Dredging of Segments of Cow Bayou	Orange County Drainage District	H&H Study and Modeling for Feasibility Assessment of Dredging of Segments of Cow Bayou	Project planning	600,000	7655	6.25	9.37	10805	6.0	9.03	7	2.01	5.03	7	3.10	6.21	7	2.67	1.33	155.51	4.62	9437.30	6.04	41.63	273
041000045	4	Feasibility Assessment and Conceptual Design of Constructing a Stormwater Detention Pond Adjacent to Cow Bayou near Claiborne Park	Orange County Drainage District	H&H Study and Modeling for Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Cow Bayou near Claiborne Park	Project planning	600,000	7655	6.25	9.37	10805	6.0	9.03	7	2.01	5.03	7	3.10	6.21	7	2.67	1.33	155.51	4.62	9437.30	6.04	41.63	273
041000053	4	Cole Creek Detention Ponds Study	Orange County Drainage District	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	Project planning	600,000	7655	6.25	9.37	10805	6.0	9.03	7	2.01	5.03	7	3.10	6.21	7	2.67	1.33	155.51	4.62	9437.30	6.04	41.63	273
041000054	4	Cow Bayou Detention Ponds Study	Orange County Drainage District	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	Project planning	600,000	7655	6.25	9.37	10805	6.0	9.03	7	2.01	5.03	7	3.10	6.21	7	2.67	1.33	155.51	4.62	9437.30	6.04	41.63	273
041000061	4	Elevation of Feeder Road Bridge Along IH-10 at Cole Creek Feasibility Study	Orange County Drainage District	Elevation of Feeder Road Bridge Along IH-10 at Cole Creek Feasibility Study	Project planning	500,000	7655	6.25	9.37	10805	6.0	9.03	7	2.01	5.03	7	3.10	6.21	7	2.67	1.33	155.51	4.62	9437.30	6.04	41.63	273
041000062	4	Lawrence Road Detention Pond Feasibility Study	Orange County Drainage District	Lawrence Road Detention Pond Feasibility Study	Project planning	400,000	7655	6.25	9.37	10805	6.0	9.03	7	2.01	5.03	7	3.10	6.21	7	2.67	1.33	155.51	4.62	9437.30	6.04	41.63	273
041000063	4	Diversion Channel Cow Bayou Feasibility Study	Orange County Drainage District	Diversion Channel Cow Bayou Feasibility Study	Project planning	5,209,500	7655	6.25	9.37	10805	6.0	9.03	7	2.01	5.03	7	3.10	6.21	7	2.67	1.33	155.51	4.62	9437.30	6.04	41.63	273
091000013	9	City of Odessa FEMA Mapping	Midland County	Prepare Comprehensive Floodplain and Drainage Study for the City of Odessa. Determine BFE in currently identified A zones on FEMA maps.	Watershed planning	192,000	6774	6.17	9.25	25522	6.5	9.80	10	2.28	5.70	26	4.64	9.28	0	0	0	167.05	4.68	46.26	2.78	41.49	280
051000058	5	City of Tyler Master Drainage Plan	Tyler	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	2,200,000	1042	4.95	7.43	5666	5.6	8.44	72	3.78	9.45	31	4.85	9.69	31	4.17	2.08	23.13	3.09	3.94	1.28	41.46	281
031000028	3	Polk County FEMA Mapping	Polk County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,560,000	3485	5.74	8.61	35700	6.7	10.11	31	3.14	7.85	3	2.14	4.27	0	0	0	92.37	4.20	15993.65	6.36	41.40	282
031000089	3	Polk County DMP	Polk County, Livingston, Goodrich, Onalaska, Seven Oaks, Corrigan	Evaluate County and identify future projects.	Watershed planning	500,000	3485	5.74	8.61	35700	6.7	10.11	31	3.14	7.85	3	2.14	4.27	0	0	0	92.37	4.20	15993.65	6.36	41.40	282
031000157	3	Polk County Road and Drainage Improvements	Polk County	Evaluate road elevation and drainage improvements.	Project planning	500,000	3485	5.74	8.61	35700	6.7	10.11	31	3.14	7.85	3	2.14	4.27	0	0	0	92.37	4.20	15993.65	6.36	41.40	282
081001276	8	Carters Creek	College Station	Study to determine flood risk across the watershed.	Watershed planning	304,000	849	4.82	7.23	2974	5.2	7.86	8	2.11	5.28	43	5.23	10.46	152	5.77	2.89	17.11	2.84	1274.50	4.81	41.37	285
061000271	6	City of Pasadena Master Drainage Plan	Pasadena	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	550,000	3591	5.76	8.63	18187	6.3	9.50	56	3.59	8.98	6	2.93	5.85	6	2.52	1.26	73.85	4.02	81.95	3.13	41.36	286
111000124	11	Kerr ISD Storm Drainage Infrastructure Project Planning	Kerrville ISD	Project planning for proposed project to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Project planning	100,000	2286	5.46	8.20	6511	5.7	8.57	4	1.59	3.98	60	5.62	11.24	0	0	0	53.47	3.76	4604.19	5.60	41.35	287

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000169	6	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - West County Project	Montgomery County	H&H study, design, tributary barrier removal, and environmental assessments for the 96.2 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-West County project area.	Watershed planning	1,110,000	3628	5.76	8.64	9188	5.9	8.88	31	3.14	7.85	8	3.26	6.52	8	2.80	1.40	89.21	4.17	278.89	3.88	41.35	288
111000164	11	Caldwell County FEWS	Caldwell County	Study of Flood Early Warning System	Preparedness	50,000	937	4.89	7.33	2190	5.1	7.58	7	2.01	5.03	40	5.15	10.29	0	0	0	71.20	3.99	35718.52	6.86	41.08	289
111000181	11	Caldwell County Assessment of Property Buyout Alternatives	Caldwell County	Evaluate buyout alternatives for flood problem areas identified within Caldwell County	Project planning	40,000	937	4.89	7.33	2190	5.1	7.58	7	2.01	5.03	40	5.15	10.29	0	0	0	71.18	3.99	35718.50	6.86	41.08	290
091000011	9	City of Odessa Buyout Program Study	Midland County	In Muskingum Draw floodplain between 8th Street and University Boulevard, numerous homes and small businesses (approximately 400) are subject to damage from flooding. Proposed evaluation of potential buyout project.	Project planning	411,700	6574	6.15	9.22	24528	6.5	9.77	10	2.28	5.70	26	4.64	9.28	0	0	0	154.56	4.61	26.07	2.43	41.01	291
091000012	9	City of Odessa DMP	Midland County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Project planning	750,000	6574	6.15	9.22	24528	6.5	9.77	10	2.28	5.70	26	4.64	9.28	0	0	0	154.56	4.61	26.07	2.43	41.01	291
031000275	3	Houston County Lake Dam Emergency Action Plan	Houston County	Develop Emergency Action Plan for Houston County Lake Dam	Preparedness	1,000,000	737	4.73	7.09	15828	6.2	9.37	5	1.76	4.40	18	4.21	8.42	0	0	0	110.11	4.34	79761.34	7.35	40.97	293
031000458	3	Upper Elm-Red SWCD Watershed-wide Dam Evaluations	Upper Elm-Red SWCD	Upper Elm-Red watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	1,322,000	2203	5.44	8.16	62756	7.1	10.62	0	0	0	36	5.02	10.04	0	0	0	181.56	4.74	83271.88	7.38	40.94	294
131000022	13	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #9	Atascosa County	Upgrade existing floodplain maps. Add new Atlas 14 rainfall frequency data.	Watershed planning	250,000	1947	5.36	8.04	3669	5.4	8.05	1	0.67	1.68	28	4.73	9.45	570	7.11	3.55	141.21	4.54	3068.91	5.35	40.66	295
131000023	13	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #10	Atascosa County	Upgrade existing floodplain maps. Add new Atlas 14 rainfall frequency data.	Watershed planning	850,000	1947	5.36	8.04	3669	5.4	8.05	1	0.67	1.68	28	4.73	9.45	570	7.11	3.55	141.21	4.54	3068.91	5.35	40.66	295
031000273	3	City of Plano DMP	Plano	Evaluate alternatives for citywide drainage improvements for areas with history of flooding.	Watershed planning	250,000	381	4.30	6.45	372184	8.2	12.23	9	2.20	5.50	24	4.55	9.09	0	0	0	18.44	2.90	695.40	4.44	40.62	297
051000097	5	Ditch 100 A (East Caldwood) Improvements	Jefferson County Drainage District 6	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of 2,200 ft of channel to be retrofitted with an underground culvert to allow for shaping and resizing the ditch to allow for continued maintenance.	Project planning	75,000	2893	5.62	8.42	8660	5.9	8.83	22	2.88	7.20	5	2.72	5.43	5	2.33	1.17	70.39	3.98	4386.23	5.57	40.60	298
051000098	5	Ditch 119 Crossings at Yount and Edson	Jefferson County Drainage District 6	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of crossing improvements that will protect about 50 homes and mitigate flood risk on a historically flood prone road.	Project planning	50,000	2893	5.62	8.42	8660	5.9	8.83	22	2.88	7.20	5	2.72	5.43	5	2.33	1.17	70.39	3.98	4386.23	5.57	40.60	298
041000083	4	Jasper County Drainage Master Plan	Jasper County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	280,000	945	4.89	7.34	1837	4.9	7.42	11	2.35	5.88	5	2.72	5.43	5	2.33	1.17	5864.23	7.54	5864.23	5.75	40.53	300
071000223	7	Paint Dams	Anson, Hamlin, Anson, Haskell	Perform a watershed-wide evaluation of 4 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	189,000	1076	4.98	7.46	1438	4.8	7.20	3	1.38	3.46	18	4.21	8.42	18	3.62	1.81	263.73	5.04	52266.66	7.09	40.48	301
031000437	3	Knights Branch Upper Relief System Study	Dallas	Study, Model, & Prelim.Design: Update capital drainage recommendations & cost estimate for the Knights Branch Upper Relief System projects.	Project planning	250,000	6037	6.09	9.14	16033	6.3	9.38	250	4.73	11.82	3	2.14	4.27	0	0	0	225.97	4.92	2.22	0.94	40.48	302
031000438	3	Knights Branch Upper Relief System Phase 2	Dallas	Continuation of the Knights Branch Upper Relief System Project. Improve neighborhoods served by the Knights Branch Upper Relief System. Includes Preston Park neighborhood (Bryn Mawr).	Project planning	250,000	6037	6.09	9.14	16033	6.3	9.38	250	4.73	11.82	3	2.14	4.27	0	0	0	225.97	4.92	2.22	0.94	40.48	302
071000022	7	Hockley County Update FEMA Mapping	Hockley County	Update existing FEMA mapping	Watershed planning	987,000	1771	5.30	7.95	5273	5.6	8.38	5	1.76	4.40	9	3.40	6.79	0	0	0	625.72	5.74	60113.33	7.18	40.43	304
071000099	7	Hockley County GIS Development	Hockley County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	1771	5.30	7.95	5273	5.6	8.38	5	1.76	4.40	9	3.40	6.79	0	0	0	625.72	5.74	60113.33	7.18	40.43	304
071000167	7	Hockley County DCM	Hockley County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	1771	5.30	7.95	5273	5.6	8.38	5	1.76	4.40	9	3.40	6.79	0	0	0	625.72	5.74	60113.33	7.18	40.43	304
031000041	3	Lake Ray Hubbard and Duck Creek Tributary Inundation Study	Sunnyvale	Conduct studies to develop inundation maps for Lake Ray Hubbard and Duck Creek Tributary and how it affects the Town of Sunnyvale.	Preparedness	500,000	821	4.80	7.20	178291	7.7	11.56	7	2.01	5.03	28	4.73	9.45	0	0	0	18.63	2.91	519.92	4.26	40.42	307
011000019	1	Hartley County FIS	Hartley County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	1,361,000	111	3.50	5.25	209	3.6	5.46	5	1.76	4.40	61	5.64	11.28	63	4.88	2.44	83.22	4.11	91162.87	7.43	40.38	308
011000053	1	Hartley County Drainage Master Plan	Hartley County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	111	3.50	5.25	209	3.6	5.46	5	1.76	4.40	61	5.64	11.28	63	4.88	2.44	83.22	4.11	91162.87	7.43	40.38	308
031000033	3	Walker County FEMA Mapping	Walker County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,276,000	1654	5.25	7.88	59717	7.0	10.57	11	2.35	5.88	5	2.72	5.43	0	0	0	58.59	3.83	28691.27	6.72	40.32	310
031000069	3	Cedar Hill-DeSoto-Duncanville DMP	Cedar Hil, DeSoto, Duncanville	Evaluate City and identify future projects.	Watershed planning	1,000,000	1289	5.09	7.64	113723	7.4	11.15	8	2.11	5.28	18	4.21	8.42	0	0	0	42.40	3.57	455.45	4.18	40.24	311
081001027	8	Citywide FEMA Flood Study	Bryan	City wide updates to floodplain mapping.	Watershed planning	241,000	1120	5.00	7.50	2013	5.0	7.51	3	1.38	3.46	36	5.02	10.04	94	5.29	2.64	37.16	3.47	4193.56	5.54	40.16	312
011000032	1	Dallam County FIS	Dallam County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	1,297,000	890	4.85	7.28	1401	4.8	7.18	2	1.10	2.75	22	4.44	8.89	22	3.82	1.91	177.95	4.73	91033.79	7.43	40.16	313
011000059	1	Dallam County Drainage Master Plan	Dallam County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	890	4.85	7.28	1401	4.8	7.18	2	1.10	2.75	22	4.44	8.89	22	3.82	1.91	177.95	4.73	91033.79	7.43	40.16	313
031000421	3	Stream Bank Stabilization – Various Locations Town Wide	Flower Mound	Study for the installation of erosion stabilization along stream banks in various locations in Flower Mound.	Project planning	250,000	1485	5.18	7.78	419903	8.2	12.33	0	0	0	37	5.05	10.11	0	0	0	100.79	4.27	4911.32	5.64	40.13	315
031000515	3	Hydrologic Updates of Town Wide Fully Developed Hydrology	Flower Mound	Hydrologic updates to Town of Flower Mound's Town Wide Fully Developed Hydrologic Model.	Watershed planning	5,181,000	1485	5.18	7.78	419903	8.2	12.33	0	0	0	37	5.05	10.11	0	0	0	100.79	4.27	4911.32	5.64	40.13	315
011000213	1	Palo Duro Dams (North)	Palo Duro River Authority	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	112	3.51	5.26	241	3.7	5.59	13	2.48	6.20	31	4.85	9.69	31	4.17	2.08	68.85	3.96	77533.59	7.33	40.12	317
031000435	3	Coombs Creek Bridge @ Barnett	Dallas	Proposed bridge installment along Barnett for flood protection.	Project planning	280,000	4059	5.84	8.75	8791	5.9	8.84	196	4.54	11.36	4	2.46	4.92	0	0	0	159.13	4.64	6.60	1.59	40.09	318
101000118	10	Sandy Oaks Subdivision	Colorado County	Sandy Oaks Subdivision	Project planning	100,000	2103	5.41	8.11	3616	5.4	8.04	6	1.90	4.74	11	3.63	7.26	0	0	0	118.81	4.40	105661.77	7.52	40.08	319
101000177	10	Countywide Floodplain Map Update	Gillespie County	Update floodplain maps with Atlas 14 data and provided detailed study	Watershed planning	250,000	863	4.83	7.25	885	4.5	6.76	3	1.38	3.46	115	6.38	12.77	0	0	0	9.93	2.41	71866.57	7.29	39.93	320
101000178	10	Low Water Crossings at 4 locations	Gillespie County	Low water crossings turned into bridges in these areas	Project planning	200,000	863	4.83	7.25	885	4.5	6.76	3	1.38	3.46	115	6.38	12.77	0	0	0	9.93	2.41	71866.57	7.29	39.93	320
051000002	5	Angelina County Update Flood Hazard Mapping	Angelina County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	3,900,000	1201	5.05	7.57	6718	5.7	8.60	11	2.35	5.88	19	4.27	8.54	19	3.67	1.84	66.37	3.93	165.36	3.56	39.92	322
051000024	5	Angelina County Master Drainage Plan	Angelina County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,700,000	1201	5.05	7.57	6718	5.7	8.60	11	2.35	5.88	19	4.27	8.54	19	3.67	1.84	66.37	3.93	165.36	3.56	39.92	322
041000006	4	Van Zandt County Flood Hazard Mapping	Van Zandt County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	2,230,000	1080	4.98	7.47	1471	4.8	7.22	13	2.48	6.20	9	3.40	6.79	9	2.92	1.46	78.97	4.07	26372.45	6.67	39.89	324
031000082	3	Houston County DMP	Houston County	Evaluate County and Identify future projects.	Watershed planning	500,000	454	4.42	6.62	15828	6.2	9.37	5	1.76	4.40	18	4.21	8.42	0	0	0	110.11	4.34	28799.85	6.72	39.87	325

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000059	4	Hunt County Flood Hazard Mapping	Hunt County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	4,000,000	2297	5.47	8.20	5968	5.7	8.49	45	3.42	8.56	10	3.52	7.04	10	3.03	1.51	137.46	4.52	5.63	1.49	39.81	326
031000381	3	3-10' X 8' Culverts at Yale Blvd.	Richardson	Study to eliminate overtopping for Huffhines Creek at Yale Boulevard crossing for a 100-year storm event by constructing three additional barrels. Est const cost = $950,000	Project planning	150,000	2798	5.59	8.39	13736	6.2	9.24	164	4.41	11.02	3	2.14	4.27	0	0	0	145.97	4.57	19.24	2.24	39.73	327
091000075	9	San Angelo Street Flooding 11	Menard County	Upgrade, improve, and expand drainage systems throughout the city. Implementation of sediment and scour control measures.	Project planning	25,000	2587	5.54	8.32	8034	5.8	8.76	6	1.90	4.74	27	4.68	9.37	0	0	0	93.65	4.21	558.50	4.31	39.70	328
091000077	9	San Angelo Street Flooding 13	Tom Green County	Heavy street flow. 23rd at Armstrong	Project planning	25,000	2587	5.54	8.32	8034	5.8	8.76	6	1.90	4.74	27	4.68	9.37	0	0	0	93.65	4.21	558.50	4.31	39.70	328
021000062	2	North Sulphur River Channel Stability and Flooding Study	Sulphur River Basin Authority	Channel stability along North Sulphur River and Highway 24	Preparedness	950,000	915	4.87	7.31	2011	5.0	7.50	19	2.77	6.92	10	3.52	7.04	0	0	0	84.68	4.13	31562.78	6.78	39.68	330
101000077	10	Update Flood Insurance Study & Flood Insurance Rate Maps	Matagorda County	Update Flood Insurance Study & Flood Insurance Rate Maps. This project may be phased based on local available funds.	Watershed planning	3,000,000	7017	6.19	9.29	10584	6.0	9.01	6	1.90	4.74	3	2.14	4.27	0	0	0	183.22	4.75	124178.52	7.62	39.67	331
151000413	15	Willacy Colonia Stormwater Drainage Planning Study Update	Willacy County	Willacy Colonia Stormwater Drainage Planning Study Update	Project planning	60,000	4616	5.92	8.88	11453	6.1	9.08	13	2.48	6.20	0	0	0	185	5.97	2.99	269.61	5.06	93849.23	7.45	39.65	332
061000435	6	City of Southside Place - Auden Street Drainage Improvement Project	Southside Place	This project provides for design and construction of a new stormwater conveyance system for the City of Southside Place, that will have the capacity to covey a City standard storm event (2-year storm).	Project planning	30,000	8850	6.34	9.51	65641	7.1	10.66	143	4.30	10.76	1	1.03	2.07	1	0.89	0.44	124.98	4.44	8.68	1.75	39.64	333
031000386	3	Arlington Bowman Branch - Mansfield Webb Road Main Stem Crossing Improvements	Arlington	Study to evaluate existing Mansfield Webb Road crossing and propose up to three (3) alternatives.	Project planning	185,000	4667	5.93	8.89	10915	6.0	9.03	246	4.72	11.79	1	1.03	2.07	0	0	0	119.67	4.41	120.38	3.36	39.56	334
141000010	14	Develop city-wide drainage study and stormwater master plan for Pecos	Pecos city, Lindsay CDP, Reeves County, TXDOT	Develop city-wide drainage study and stormwater master plan for City of Pecos and adjacent Lindsay Census Designated Place. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	Project planning	92,000	2120	5.41	8.12	2536	5.1	7.71	3	1.38	3.46	18	4.21	8.42	295	6.44	3.22	89.92	4.18	536.60	4.28	39.39	335
111000171	11	City of San Marcos Drainage Master Plan	San Marcos	Creation of a drainage master Plan update for the City of San Marcos, including updates to regulations, policies, and criteria.	Watershed planning	500,000	2270	5.46	8.19	12650	6.1	9.17	14	2.54	6.34	12	3.73	7.47	0	0	0	48.12	3.67	822.42	4.54	39.38	336
111000172	11	City of San Marcos Atlas 14 H&H Model Updates	San Marcos	Development of new City-Wide (and ETJ) H&H models, using Atlas 14 rainfall data and possible evaluation of flood reduction alternatives.	Watershed planning	1,500,000	2270	5.46	8.19	12650	6.1	9.17	14	2.54	6.34	12	3.73	7.47	0	0	0	48.12	3.67	822.42	4.54	39.38	336
111000174	11	City of San Marcos Gauges for Phase 2 of city-wide FEWS	San Marcos	Project planning for installation of 14 additional stream/rain gauges and development of a real time flood warning system throughout the City.	Project planning	2,000,000	2270	5.46	8.19	12650	6.1	9.17	14	2.54	6.34	12	3.73	7.47	0	0	0	48.12	3.67	822.42	4.54	39.38	336
111000177	11	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	San Marcos	This project planning will include a re-evaluation of NRCS dams 4 and 5 with Atlas 14 rainfall and an analysis of potential updates to the dams that could improve flood reduction within the City of San Marcos.	Project planning	300,000	2270	5.46	8.19	12650	6.1	9.17	14	2.54	6.34	12	3.73	7.47	0	0	0	48.12	3.67	822.42	4.54	39.38	336
101000214	10	West Brazoria County Drainage District #11	West Brazoria County Drainage District	Watershed Study	Watershed planning	990,000	7737	6.25	9.38	11719	6.1	9.10	10	2.28	5.70	2	1.69	3.39	0	0	0	219.73	4.90	37018.34	6.88	39.35	340
011000209	1	Upper North Fork Red Dams	Gray County SWCD	Perform a watershed-wide evaluation of 6 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	277,000	195	3.87	5.80	1951	5.0	7.48	10	2.28	5.70	12	3.73	7.47	12	3.21	1.61	62.49	3.88	69934.78	7.27	39.21	341
061000502	6	Armand Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Armand Bayou watershed.	Watershed planning	44,078,000	2946	5.63	8.44	12810	6.1	9.18	52	3.53	8.84	4	2.46	4.92	4	2.12	1.06	61.72	3.87	44.35	2.75	39.06	342
031000424	3	Rush Creek - RC1 Railroad Culvert and RC1A Channel Improvements	Arlington	Feasibility Study of stream RC1 and RC1A to mitigate reported upstream flooding.	Project planning	600,000	4630	5.92	8.88	13545	6.2	9.23	360	5.01	12.52	1	1.03	2.07	0	0	0	196.87	4.81	6.19	1.55	39.05	343
061000437	6	Evaluation of Dredging of Channels that Exit Into Lake Houston	Harris County	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	Project planning	30,000	6656	6.16	9.23	15791	6.2	9.37	64	3.69	9.23	1	1.03	2.07	1	0.89	0.44	169.09	4.69	326.66	3.98	39.01	344
121000133	12	Natural capital inventory	San Antonio River Authority	Development of a dataset identifying lands under conservation easement. Project includes courthouse and deed records research to identify lands that are protected or have future development restrictions.	Watershed planning	300,000	19145	6.84	10.26	66191	7.1	10.66	0	0	0	0	0	0	9511	9.95	4.97	753.05	5.89	62646.10	7.20	38.99	345
121000134	12	Evaluation and prioritization of new gauge locations	San Antonio River Authority	Study to identify stream gage locations in the San Antonio River Basin and cost effective/resilient monitoring technologies.	Watershed planning	50,000	19145	6.84	10.26	66191	7.1	10.66	0	0	0	0	0	0	9511	9.95	4.97	753.05	5.89	62646.10	7.20	38.99	345
121000135	12	Future conditions data refinement study	San Antonio River Authority	Future conditions data refinement study,study future landuse and apply to future models	Watershed planning	500,000	19145	6.84	10.26	66191	7.1	10.66	0	0	0	0	0	0	9511	9.95	4.97	753.05	5.89	62646.10	7.20	38.99	345
121000137	12	River Authority WWTP Resilience	San Antonio River Authority	Study of all River Authority WWTP Resilience, finding alternatives for floodproofing	Project planning	600,000	19145	6.84	10.26	66191	7.1	10.66	0	0	0	0	0	0	9511	9.95	4.97	753.05	5.89	62646.10	7.20	38.99	345
061000542	6	Kansas Street Drainage Project, Phase 2	League City	Further analysis of propose drainage improvements within the City's Historic District.	Project planning	580,000	5305	6.01	9.01	13944	6.2	9.26	25	2.98	7.44	2	1.69	3.39	2	1.46	0.73	105.09	4.30	1307.45	4.83	38.96	349
031000016	3	Houston County FEMA Mapping	Houston County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,809,000	290	4.13	6.19	15828	6.2	9.37	5	1.76	4.40	18	4.21	8.42	0	0	0	110.11	4.34	12612.35	6.22	38.93	350
061000088	6	City of League City - Kansas Street Drainage	League City	Further study and FMP development of proposed street drainage modifications to Kansas Street.	Project planning	580,000	5251	6.00	9.00	13675	6.2	9.24	25	2.98	7.44	2	1.69	3.39	2	1.46	0.73	104.57	4.30	1308.20	4.83	38.93	351
061000097	6	League City - Stormwater Drainage Improvement- Interurban & Newport ditch	League City	Further study of proposed slope paving (concrete lining) improvements.	Project planning	50,000	5251	6.00	9.00	13675	6.2	9.24	25	2.98	7.44	2	1.69	3.39	2	1.46	0.73	104.57	4.30	1308.20	4.83	38.93	351
061000103	6	Highland Terrace Drainage	League City	Further study of slope paving a portion of the drainage ditch north of FM 518, with probable wetland mitigation and lowering pavement section of Highland Terrace Drive.	Project planning	190,000	5251	6.00	9.00	13675	6.2	9.24	25	2.98	7.44	2	1.69	3.39	2	1.46	0.73	104.57	4.30	1308.20	4.83	38.93	351
061000115	6	Stormwater Drainage Improvement- Nottingham ditch	League City	Further study of proposed slope paving (concrete lining) improvements. Still in planning, consultant hired. Design complete and pending construction funding.	Project planning	50,000	5251	6.00	9.00	13675	6.2	9.24	25	2.98	7.44	2	1.69	3.39	2	1.46	0.73	104.57	4.30	1308.20	4.83	38.93	351
061000118	6	Stormwater Drainage Improvement- Bradshaw Rd	League City	Further study of proposed slope paving (concrete lining) improvements. Southwest from SH 3 to the north line of CCISD's Elem. School #25. Pending Funding.	Project planning	50,000	5251	6.00	9.00	13675	6.2	9.24	25	2.98	7.44	2	1.69	3.39	2	1.46	0.73	104.57	4.30	1308.20	4.83	38.93	351
061000257	6	City of League City Master Drainage Plan	League City	Project would be a drainage model building off the recently completed CoLC 2-D Drainage Model and expand this model in the City's subdivisions and neighborhoods. It would be intended for this to be done in phases with areas where FEMA has had a high conce	Watershed planning	580,000	5251	6.00	9.00	13675	6.2	9.24	25	2.98	7.44	2	1.69	3.39	2	1.46	0.73	104.57	4.30	1308.20	4.83	38.93	351
091000045	9	Howard County DMP	Borden County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	1372	5.13	7.70	4038	5.4	8.14	2	1.10	2.75	20	4.33	8.66	0	0	0	196.12	4.80	37027.93	6.88	38.93	357
091000046	9	Howard County GIS Development	Borden County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	1372	5.13	7.70	4038	5.4	8.14	2	1.10	2.75	20	4.33	8.66	0	0	0	196.12	4.80	37027.93	6.88	38.93	357
091000047	9	Howard County FEMA Mapping	Borden County	Update existing FEMA Mapping	Watershed planning	896,000	1372	5.13	7.70	4038	5.4	8.14	2	1.10	2.75	20	4.33	8.66	0	0	0	196.12	4.80	37027.93	6.88	38.93	357
061000083	6	Liberty County Drainage Projects	Liberty County	Further study of proposed drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county in order to improve drainage.	Project planning	2,000,000	3614	5.76	8.64	3574	5.3	8.02	8	2.11	5.28	7	3.10	6.21	7	2.67	1.33	144.17	4.56	1379.48	4.86	38.91	360
061000125	6	Update Liberty County Floodplain Maps	Liberty County	Study by participating jurisdictions to update floodway maps throughout the county, including Atlas 14 rainfalls.	Watershed planning	1,243,000	3614	5.76	8.64	3574	5.3	8.02	8	2.11	5.28	7	3.10	6.21	7	2.67	1.33	144.17	4.56	1379.48	4.86	38.91	360

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000135	6	Recanalization Feasibility Study	Liberty County	Dechannelize existing feeder creeks that flow from north to south and improve drainage for strom water runoff.	Project planning	486,000	3614	5.76	8.64	3574	5.3	8.02	8	2.11	5.28	7	3.10	6.21	7	2.67	1.33	144.17	4.56	1379.48	4.86	38.91	360
061000148	6	Liberty County Culvert Replacement Project	Liberty County	Increase culvert size in identified flood hazard problem areas within Liberty County.	Project planning	30,000	3614	5.76	8.64	3574	5.3	8.02	8	2.11	5.28	7	3.10	6.21	7	2.67	1.33	144.17	4.56	1379.48	4.86	38.91	360
061000160	6	Liberty County Regional Flood Drainage Plan	Liberty County	Regional drainage study to establish a county wide drainage plan including atlas 14 rainfall.	Project planning	486,000	3614	5.76	8.64	3574	5.3	8.02	8	2.11	5.28	7	3.10	6.21	7	2.67	1.33	144.17	4.56	1379.48	4.86	38.91	360
061000173	6	Update Liberty County FIRMs to Include Bench Marks	Liberty County	Add bench marks to updated Flood Insurance Rate Maps.	Watershed planning	50,000	3614	5.76	8.64	3574	5.3	8.02	8	2.11	5.28	7	3.10	6.21	7	2.67	1.33	144.17	4.56	1379.48	4.86	38.91	360
061000353	6	TC Jester Detention Basin	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of a 25 acre stormwater detention basin. Estimated construction cost is $10,047,910. This application is requesting $10,000,000.00 of these funds.	Project planning	30,000	2993	5.64	8.46	11450	6.1	9.08	51	3.52	8.80	4	2.46	4.92	4	2.12	1.06	59.86	3.85	44.08	2.75	38.91	366
061000356	6	Westador Stormwater Detention Basin	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. The Westador Detention Basin is a proposed detention mitigation project within the Cypress Creek Watershed and located south of Cypress Creek and east and west of K141-00-00.	Project planning	30,000	2993	5.64	8.46	11450	6.1	9.08	51	3.52	8.80	4	2.46	4.92	4	2.12	1.06	59.86	3.85	44.08	2.75	38.91	366
071000224	7	Running Water Draw Dams	Hale County SWCD, Parmer SWCD, Running Water SWCD	Perform a watershed-wide evaluation of 6 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	277,000	1387	5.14	7.71	3204	5.3	7.93	0	0	0	18	4.21	8.42	18	3.62	1.81	655.08	5.78	62747.68	7.20	38.84	368
151000136	15	ES-101	Edinburg	Project includes storm water detention basins for drainage relief because of ROW restriction. The basin outfall is proposed to be connected to the ES-101 ditch as well as south into the South Main Drain upstream of US 281. No projects for this year.	Project planning	398,929	10016	6.42	9.63	42255	6.8	10.26	13	2.48	6.20	1	1.03	2.07	0	0	0	244.25	4.98	5098.85	5.66	38.80	369
151000268	15	NM-104	Edinburg	NM-104	Project planning	23,136	10016	6.42	9.63	42255	6.8	10.26	13	2.48	6.20	1	1.03	2.07	0	0	0	244.25	4.98	5098.85	5.66	38.80	369
151000269	15	NM-112	Edinburg	NM-112	Project planning	74,621	10016	6.42	9.63	42255	6.8	10.26	13	2.48	6.20	1	1.03	2.07	0	0	0	244.25	4.98	5098.85	5.66	38.80	369
151000279	15	ES-102	Edinburg	ES-103	Project planning	1,058,424	10016	6.42	9.63	42255	6.8	10.26	13	2.48	6.20	1	1.03	2.07	0	0	0	244.25	4.98	5098.85	5.66	38.80	369
151000280	15	SM-101	Edinburg	SM-102	Project planning	52,802	10016	6.42	9.63	42255	6.8	10.26	13	2.48	6.20	1	1.03	2.07	0	0	0	244.25	4.98	5098.85	5.66	38.80	369
151000281	15	MC-101	Edinburg	MC-102	Project planning	23,136	10016	6.42	9.63	42255	6.8	10.26	13	2.48	6.20	1	1.03	2.07	0	0	0	244.25	4.98	5098.85	5.66	38.80	369
031000480	3	Floodplain Mapping Updates of Bakers Branch	Flower Mound	Floodplain mapping updates on Bakers Branch to establish base flood elevations and convert Zone A to Zone AE via LOMR.	Watershed planning	61,000	2371	5.49	8.23	5406	5.6	8.40	237	4.69	11.72	1	1.03	2.07	0	0	0	141.40	4.54	248.41	3.81	38.77	375
151000124	15	Val Verde County	Val Verde County	Develop Flood risk maps for the county of Val Verde and develop CIP	Watershed planning	500,000	1387	5.14	7.71	3045	5.3	7.88	2	1.10	2.75	25	4.59	9.19	144	5.72	2.86	68.17	3.95	662.97	4.41	38.75	376
071000013	7	Lamb County Initial FEMA Mapping	Lamb County	Create FEMA Mapping in previously unmapped areas	Watershed planning	890,000	438	4.39	6.59	932	4.5	6.81	3	1.38	3.46	24	4.55	9.09	0	0	0	612.33	5.72	46012.82	7.01	38.68	377
071000065	7	Lamb County DMP	Lamb County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	438	4.39	6.59	932	4.5	6.81	3	1.38	3.46	24	4.55	9.09	0	0	0	612.33	5.72	46012.82	7.01	38.68	377
071000103	7	Lamb County GIS Development	Lamb County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	438	4.39	6.59	932	4.5	6.81	3	1.38	3.46	24	4.55	9.09	0	0	0	612.33	5.72	46012.82	7.01	38.68	377
071000176	7	Lamb County DCM	Lamb County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	438	4.39	6.59	932	4.5	6.81	3	1.38	3.46	24	4.55	9.09	0	0	0	612.33	5.72	46012.82	7.01	38.68	377
131000182	13	Aransas County Drainage Study	Aransas County	Aransas County county-wide drainage study.	Watershed planning	250,000	3334	5.71	8.56	4790	5.5	8.29	173	4.45	11.12	0	0	0	28	4.06	2.03	105.83	4.31	572.01	4.32	38.63	381
151000358	15	Cameron County Drainage District No.5/ Harlingen Irrigation District - Hensz and Perk Lane Laterals Crossing Replacements	Harlingen Irrigation District	Replacement of crossings on Hensz and perk Lane laterals	Project planning	1,349,413	5200	6.00	8.99	12345	6.1	9.15	13	2.48	6.20	0	0	0	366	6.66	3.33	193.22	4.79	11266.66	6.15	38.61	382
011000007	1	Wilbarger County FIS	Wilbarger County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	983,000	132	3.61	5.42	520	4.2	6.28	2	1.10	2.75	39	5.12	10.23	45	4.54	2.27	87.62	4.16	101721.13	7.50	38.61	383
011000046	1	Wilbarger County Drainage Master Plan	Wilbarger County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	132	3.61	5.42	520	4.2	6.28	2	1.10	2.75	39	5.12	10.23	45	4.54	2.27	87.62	4.16	101721.13	7.50	38.61	383
031000002	3	Anderson County FEMA Mapping	Anderson County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,500,000	667	4.67	7.00	36560	6.8	10.13	6	1.90	4.74	6	2.93	5.85	0	0	0	73.34	4.01	36103.84	6.86	38.59	385
031000078	3	Anderson County DMP	Anderson County	Evaluate County and identify future projects.	Watershed planning	500,000	667	4.67	7.00	36560	6.8	10.13	6	1.90	4.74	6	2.93	5.85	0	0	0	73.34	4.01	36103.84	6.86	38.59	385
141000023	14	Develop city-wide drainage study and stormwater master plan for Alpine	Alpine city, Brewster County	Develop city-wide drainage study and stormwater master plan for Alpine. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	Project planning	233,000	1640	5.25	7.87	4367	5.5	8.21	6	1.90	4.74	18	4.21	8.42	199	6.04	3.02	38.03	3.49	49.91	2.82	38.57	387
031000380	3	10' X 8' Culvert at St Johns Drive	Richardson	Study to eliminate overtopping for Huffhines Creek at St. John's Drive crossing for 10-year storm event and above by constructing an additional barrel. Est const cost = $1,623,000	Project planning	150,000	2597	5.55	8.32	12831	6.1	9.18	154	4.36	10.90	2	1.69	3.39	0	0	0	140.47	4.54	18.99	2.23	38.56	388
031000169	3	Calloway Branch Erosion Control Study	Hurst	Evaluate erosion control measures in Calloway Branch to eliminate erosion of stream bank.	Project planning	50,000	584	4.58	6.87	101016	7.4	11.05	5	1.76	4.40	25	4.59	9.19	0	0	0	21.56	3.03	335.16	3.99	38.52	389
031000177	3	TRE & SH-10 Culvert Improvements	Hurst	Valley View watershed; $ Estimated construction cost of750,000 cost estimate; from 2017 study	Project planning	250,000	584	4.58	6.87	101016	7.4	11.05	5	1.76	4.40	25	4.59	9.19	0	0	0	21.56	3.03	335.16	3.99	38.52	389
031000178	3	Pipeline Road Bridge Improvement	Hurst	Walker watershed; $ Estimated construction cost of1,700,000 cost estimate; from 2020 study	Project planning	250,000	584	4.58	6.87	101016	7.4	11.05	5	1.76	4.40	25	4.59	9.19	0	0	0	21.56	3.03	335.16	3.99	38.52	389
101000180	10	Countywide Floodplain Map Update	Menard	Update floodplain maps with Atlas 14 data and provided detailed study	Watershed planning	250,000	896	4.86	7.28	1256	4.7	7.08	5	1.76	4.40	31	4.85	9.69	0	0	0	12.15	2.57	93034.98	7.44	38.47	392
061000082	6	Stream and River Flood Program	Waller County	Conduct a flood mitigation outreach program using information from the river and stream flood study to increase awareness of specific riverine flooding problems and provide guidance on mitigation in affected communities.	Preparedness	20,000	1064	4.97	7.45	1858	5.0	7.43	6	1.90	4.74	19	4.27	8.54	19	3.67	1.84	40.92	3.54	1357.32	4.85	38.40	393
061000129	6	Waller County Flood Damage Prevention Planning	Waller County	Establish watershed-based planning and studies to address flood hazards with neighborhing and constituent communities.	Watershed planning	1,160,000	1064	4.97	7.45	1858	5.0	7.43	6	1.90	4.74	19	4.27	8.54	19	3.67	1.84	40.92	3.54	1357.32	4.85	38.40	393
061000310	6	Waller Flood Mapping Updates	Waller County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	2,300,000	1064	4.97	7.45	1858	5.0	7.43	6	1.90	4.74	19	4.27	8.54	19	3.67	1.84	40.92	3.54	1357.32	4.85	38.40	393
111000173	11	Kendall County Drainage Master Plan	Kendall County	Creation of drainage master plan for Kendall County	Watershed planning	500,000	1374	5.13	7.70	1964	5.0	7.48	3	1.38	3.46	28	4.73	9.45	0	0	0	44.38	3.61	24197.65	6.62	38.32	396
041000079	4	Van Zandt County Master Drainage Plan	Van Zandt County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	935,000	1080	4.98	7.47	1471	4.8	7.22	0	0	0	9	3.40	6.79	9	2.92	1.46	24554.30	8.69	24554.30	6.63	38.26	397
041000081	4	Rusk County Drainage Master Plan	Rusk County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	750,000	899	4.86	7.29	1374	4.8	7.16	2	1.10	2.75	5	2.72	5.43	5	2.33	1.17	12475.86	8.15	12475.86	6.21	38.15	398
011000211	1	Little Wichita Dams	Archer City, Windthorst WSC	Perform a watershed-wide evaluation of 3 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	145,000	155	3.72	5.58	250	3.7	5.62	0	0	0	101	6.23	12.46	101	5.36	2.68	77.57	4.06	146349.31	7.72	38.12	399

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
111000116	11	Hays County Southeastern Property Acquisition Project Planning	Hays County	Project planning for property acquisition project to mitigate repetitive loss flooding where drainage projects were analyzed and deemed ineffective for cost/benefit reasons in southeastern Hays County.	Project planning	800,000	1420	5.15	7.73	6688	5.7	8.59	12	2.42	6.05	14	3.91	7.83	0	0	0	25.08	3.15	1058.01	4.70	38.05	400
091000143	9	Colorado_Headwaters_Dams	Colorado River MWD	Perform a watershed-wide evaluation of the dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	110,600	1587	5.23	7.84	1567	4.9	7.28	2	1.10	2.75	5	2.72	5.43	5	2.33	1.17	880.12	6.01	109763.06	7.55	38.02	401
031000468	3	Wise SWCD Watershed-wide Dam Evaluations	Wise SWCD	Wise watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	678,000	1666	5.26	7.89	54873	7.0	10.49	0	0	0	16	4.07	8.14	0	0	0	99.83	4.26	64423.83	7.22	38.00	402
111000100	11	Comal County Master Water Improvement District River Road Low Water Crossing Improvement Project Planning	Comal Master WID	Project planning for proposed project to implement low water crossing improvements at River Road.	Project planning	700,000	1358	5.13	7.69	3392	5.3	7.98	4	1.59	3.98	37	5.05	10.11	0	0	0	26.98	3.21	1833.52	5.03	38.00	403
151000282	15	Los Indios Diversion	Cameron County Drainage District 3	Los Indios Diversion	Project planning	348,000	3731	5.78	8.67	10796	6.0	9.02	14	2.54	6.34	0	0	0	146	5.73	2.87	136.92	4.52	21908.36	6.56	37.98	404
151000283	15	Drain A Diversion	Cameron County Drainage District 3	Drain A Diversion	Project planning	200,000	3731	5.78	8.67	10796	6.0	9.02	14	2.54	6.34	0	0	0	146	5.73	2.87	136.92	4.52	21908.36	6.56	37.98	404
151000430	15	Drain A Detention	Cameron County Drainage District 3	Drain A Detention	Project planning	200,000	3731	5.78	8.67	10796	6.0	9.02	14	2.54	6.34	0	0	0	146	5.73	2.87	136.92	4.52	21908.36	6.56	37.98	404
131000186	13	Countywide Bridge Repairs (Frio County Project #12)	Frio County	Countywide project to perform bridge repairs (repair abutments, clean bridge joints, repair riprap). Project cost was developed from the 2022-2023 Proposed Budget for Drainage Projects by the Frio County Road and Bridge Department.	Project planning	75,000	549	4.54	6.81	933	4.5	6.81	1	0.67	1.68	25	4.59	9.19	199	6.04	3.02	107.69	4.32	9700.75	6.06	37.88	407
031000085	3	Leon County DMP	Leon County	Evaluate County and identify future projects.	Watershed planning	500,000	730	4.72	7.09	11948	6.1	9.12	6	1.90	4.74	5	2.72	5.43	0	0	0	99.56	4.26	64155.32	7.22	37.85	408
071000228	7	Hubbard Dams	Moran, Albany, Cisco, Baird, West Central Texas Municipal Water District	Perform a watershed-wide evaluation of 6 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	277,000	1129	5.01	7.51	979	4.6	6.85	1	0.67	1.68	18	4.21	8.42	18	3.62	1.81	156.68	4.62	38070.93	6.90	37.79	409
031000029	3	Rockwall County FEMA Mapping	Rockwall County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	252,000	411	4.35	6.53	74667	7.2	10.77	3	1.38	3.46	15	3.99	7.99	0	0	0	33.76	3.39	4484.99	5.58	37.72	410
151000215	15	City of Harlingen - Jefferson Street Storm Drain Improvements	Harlingen	Intended to provide drainage relief to the area around City Lake (76th Drive, Jefferson Ave and also on 5th Street and 13th Street as shown in area map. The project provides for increasing drainage pipes and adding curb inlets to improve flow of stormwater	Project planning	345,826	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000216	15	City of Harlingen - Business 77 & 13th Street Storm Sewer	Harlingen	intended to provide drainage relief to the area along Business 77 and 13th Street; up to Harlingen High School as shown in area map. The project provides for increasing drainage pipes and adding box size culverts and curb inlets to improve flow of stormwater.	Project planning	636,937	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000217	15	City of Harlingen - 21st Street Storm Sewer Improvements	Harlingen	intended to provide drainage relief to the areas along 21st Street from Van Buren to Austin St. as shown in area map. The project provides for increasing drainage pipes size and adding curb inlets to improve flow of stormwater.	Project planning	143,708	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000218	15	City of Harlingen - Treasure Hills/ 25th Street Storm Sewer Improvements	Harlingen	intended to provide drainage relief to the areas along 25th Street and Treasure Hills Blvd; area by Treasure Hills Elementary; as shown in area map. The project provides for increasing drainage pipes size and adding curb inlets to improve flow of stormwater.	Project planning	177,149	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000219	15	City of Harlingen - 5th & 7th Storm Sewer Improvements	Harlingen	intended to provide drainage relief to the areas along 5 th , 7th Adams, and Jefferson Streets as shown in area map. The project provides for increasing drainage pipes size and adding curb inlets to improve flow of stormwater.	Project planning	373,890	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000220	15	City of Harlingen - Lozano Street Small Detention Pond Project	Harlingen	This project involved the development of a 2-D stormwater runoff model for an approximately 1.4 square mile area to analyze existing and proposed conditions using XPSWM software. The analysis included the development of three possible detention pond options to mitigate flood risk in the surrounding area. Due to limited construction funds, the client selected a phased approach to implementing one of the simulated detention options. That project is currently under design.	Project planning	150,000	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000221	15	City of Harlingen - 21st Street Storm Sewer Improvements	Harlingen	intended to provide drainage relief to the areas along 21st Street from Van Buren to Austin St. as shown in area map. The project provides for increasing drainage pipes size and adding curb inlets to improve flow of stormwater.	Project planning	154,280	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000222	15	City of Harlingen - Jackson Avenue Drainage Improvements Project	Harlingen	City of Harlingen - Jackson Avenue Drainage Improvements Project	Project planning	19,658	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000223	15	City of Harlingen - Hickory Hill Road Drainage Improvement Project	Harlingen	City of Harlingen - Hickory Hill Road Drainage Improvement Project	Project planning	1,500,000	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000224	15	City of Harlingen - Lozano Street Detention Facility	Harlingen	City of Harlingen - Lozano Street Detention Facility	Project planning	16,000,000	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000225	15	City of Harlingen - Adam's Crossing Subdivision Storm Sewer Improvement Project	Harlingen	City of Harlingen - Adam's Crossing Subdivision Storm Sewer Improvement Project	Project planning	69,000	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000226	15	City of Harlingen - Teegee and Fairpark Storm Sewer System Project	Harlingen	City of Harlingen - Teegee and Fairpark Storm Sewer System Project	Project planning	258,903	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000227	15	City of Harlingen - Fairpark Blvd Storm Sewer System Improvement Project	Harlingen	City of Harlingen - Fairpark Blvd Storm Sewer System Improvement Project	Project planning	71,040	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000228	15	City of Harlingen - Jacaranda Storm Sewer System Improvement Project	Harlingen	City of Harlingen - Jacaranda Storm Sewer System Improvement Project	Project planning	36,360	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000229	15	City of Harlingen - Ed Carey Storm Sewer System Improvement Project	Harlingen	City of Harlingen - Ed Carey Storm Sewer System Improvement Project	Project planning	324,000	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000230	15	City of Harlingen - Pickens Storm Sewer Improvements Project	Harlingen	City of Harlingen - Pickens Storm Sewer Improvements Project	Project planning	209,160	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000231	15	City of Harlingen - Sunchase Storm Sewer Improvements	Harlingen	City of Harlingen - Sunchase Storm Sewer Improvements	Project planning	59,098	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411
151000232	15	City of Harlingen - Sabal Palm Storm Sewer System Improvements	Harlingen	City of Harlingen - Sabal Palm Storm Sewer System Improvements	Project planning	91,804	4266	5.87	8.80	14212	6.2	9.27	14	2.54	6.34	0	0	0	303	6.47	3.23	171.18	4.70	3155.61	5.37	37.71	411

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000176	6	Lower Greens Feasibility Study	Harris County Flood Control District	Feasibility study will identify the existing causes of flooding and solutions to reduce the risk of flooding in the lower stretch of Greens Bayou. Potential solutions channel conveyance improvements, detention, or bridge adjustments or replacements.	Project planning	1,000,000	5926	6.08	9.12	16913	6.3	9.43	58	3.62	9.04	3	2.14	4.27	3	1.84	0.92	68.04	3.95	2.36	0.98	37.71	429
151000414	15	McAllen MDP- Study 1 Montecristo/Hoen Rd Subdivision	McAllen	Upsize existing pond Montecristo/Hoen Dr and Channelization to discharge Pond into Existing Drainage ditch south of AOI .	Project planning	1,129,194	11256	6.50	9.75	37191	6.8	10.14	16	2.64	6.59	0	0	0	0	0	0	335.60	5.24	8475.63	5.97	37.69	430
151000415	15	McAllen MDP - Study 2 Shary Rd & 6Mi Intersection	McAllen	One pond upstream of Shary Rd & 6 Mile Rd intersection. South of existing Drainage Ditch	Project planning	663,209	11256	6.50	9.75	37191	6.8	10.14	16	2.64	6.59	0	0	0	0	0	0	335.60	5.24	8475.63	5.97	37.69	430
151000416	15	McAllen MDP- Study 3 SH107 East	McAllen	1 large pond on State Highway 107 and N 23rd St.	Project planning	1,155,913	11256	6.50	9.75	37191	6.8	10.14	16	2.64	6.59	0	0	0	0	0	0	335.60	5.24	8475.63	5.97	37.69	430
151000417	15	McAllen MDP - Study 4 Bentsen Rd	McAllen	2 Detention Ponds along Bentsen Rd and Channel Improvements on ditch east of Bentsen Rd adjecent to Irrigation Canal.	Project planning	1,859,964	11256	6.50	9.75	37191	6.8	10.14	16	2.64	6.59	0	0	0	0	0	0	335.60	5.24	8475.63	5.97	37.69	430
011000214	1	Farmers-Mud Dams	Gainesville, Denison, Nocona, Upper Elm-Red SWCD	Perform a watershed-wide evaluation of 7 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	321,000	310	4.17	6.25	456	4.1	6.16	0	0	0	71	5.82	11.64	71	5.00	2.50	52.10	3.74	85687.68	7.39	37.69	434
151000085	15	Kinney County	Kinney County	Develop Flood risk maps for the county of Kinney and develop CIP	Watershed planning	250,000	420	4.37	6.55	449	4.1	6.15	6	1.90	4.74	44	5.26	10.51	0	0	0	57.24	3.81	7483.50	5.90	37.66	435
051000093	5	Hardin County Municipal Storm Drain Project	Hardin County	Evaluate project to quantify benefits, evaluate impacts, and begin design.	Project planning	2,000,000	3487	5.74	8.61	7462	5.8	8.69	8	2.11	5.28	5	2.72	5.43	5	2.33	1.17	75.10	4.03	395.45	4.09	37.30	436
101000201	10	Hays County Buyout Project Planning	Hays County	Project planning for action to mitigate 38 identified properties. Develop technical data required for FMP.	Project planning	500,000	581	4.58	6.86	1437	4.8	7.20	2	1.10	2.75	68	5.77	11.54	0	0	0	15.61	2.77	11874.71	6.18	37.30	437
031000278	3	Spring Creek Retaining Walls	Garland	Implement results from the 2021 Spring Creek Erosion and Retaining Wall Assessment project. This project identified 19 locations with recommended repairs/maintenance to erosion structures.	Project planning	250,000	274	4.09	6.13	171606	7.7	11.53	8	2.11	5.28	19	4.27	8.54	0	0	0	13.17	2.63	83.02	3.14	37.25	438
031000167	3	Lower Hardisty Storm Drain Improvements	Richland Hills	Evaluate alternatives for storm drain improvements	Project planning	125,000	933	4.88	7.32	44416	6.9	10.30	6	1.90	4.74	25	4.59	9.19	0	0	0	20.73	3.00	36.86	2.64	37.19	439
031000148	3	Houston County dike for critical facilities	Houston County	Evaluate alternatives to build earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to 500-year flood level	Project planning	500,000	21	2.42	3.64	15828	6.2	9.37	5	1.76	4.40	18	4.21	8.42	0	0	0	110.11	4.34	46988.31	7.02	37.19	440
031000237	3	Arbor Creek Pedestrian Bridge Repair and Channel Bottom Stabilization	Grand Prairie	270 feet south of Johnson Creek and 290 feet east of SH 161; Estimated construction cost of $270,900	Project planning	250,000	405	4.34	6.51	169902	7.7	11.52	8	2.11	5.28	16	4.07	8.14	0	0	0	12.72	2.60	56.07	2.90	36.95	441
011000082	1	Amarillo City Drainage Master Plan	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Update existing drainage mater plan.	Watershed planning	1,000,000	1703	5.27	7.91	8883	5.9	8.85	7	2.01	5.03	6	2.93	5.85	6	2.52	1.26	102.88	4.29	212.76	3.71	36.90	442
011000172	1	Pump Station Rehab (City of Amarillo)	Amarillo, Randall	Evaluate six current pump stations to identify improvements; selected based on stakeholder feedback	Preparedness	125,000	1703	5.27	7.91	8883	5.9	8.85	7	2.01	5.03	6	2.93	5.85	6	2.52	1.26	102.88	4.29	212.76	3.71	36.90	442
011000173	1	Convert Playa ASAPP Models into ICPR (City of Amarillo)	Amarillo, Randall	Create Streamline Technologies ICPR Version 4 model of Amarillo Playas in order to more easily update and use models	Watershed planning	500,000	1703	5.27	7.91	8883	5.9	8.85	7	2.01	5.03	6	2.93	5.85	6	2.52	1.26	102.88	4.29	212.76	3.71	36.90	442
031000193	3	Duncan Perry Rd at Johnson Creek	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $5,374,200	Project planning	269,000	405	4.34	6.51	164354	7.7	11.49	8	2.11	5.28	16	4.07	8.14	0	0	0	12.71	2.60	50.49	2.83	36.86	445
031000200	3	Carrier Parkway & Egyptian Way	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $3,165,300	Project planning	250,000	405	4.34	6.51	164354	7.7	11.49	8	2.11	5.28	16	4.07	8.14	0	0	0	12.71	2.60	50.49	2.83	36.86	445
031000206	3	Duncan Perry Rd, Heritage Court and Goodwin Branch	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,175,300	Project planning	250,000	405	4.34	6.51	164354	7.7	11.49	8	2.11	5.28	16	4.07	8.14	0	0	0	12.71	2.60	50.49	2.83	36.86	445
031000240	3	Arbor Creek Channel Bottom Stabilization	Grand Prairie	Channelization, Stabilization, and Bank Armoring from SH 161 East to Johnson Creek Confluence; Estimated construction cost of $2,096,900; from Duncan Perry to SH 161; Estimated construction cost of $991,600	Project planning	250,000	405	4.34	6.51	164354	7.7	11.49	8	2.11	5.28	16	4.07	8.14	0	0	0	12.71	2.60	50.49	2.83	36.86	445
031000244	3	Johnson Creek Avenue J Stabilization	Grand Prairie	Bridge abutment repair and channel bank stabilization; Estimated construction cost of $168,500	Project planning	250,000	405	4.34	6.51	164354	7.7	11.49	8	2.11	5.28	16	4.07	8.14	0	0	0	12.71	2.60	50.49	2.83	36.86	445
031000250	3	Johnson Creek Stabilization	Grand Prairie	Replace failed inline channel 500 ft E of SH 161 & channel sediment removal; Estimate construction $1,979,000; S channel bank stabilization N of Babbling Brook from Quest to Shadow Pass; Estimate construction $831,700; N channel bank stabilization N of N	Project planning	250,000	405	4.34	6.51	164354	7.7	11.49	8	2.11	5.28	16	4.07	8.14	0	0	0	12.71	2.60	50.49	2.83	36.86	445
011000048	1	Archer County Drainage Master Plan	Archer County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; survey responses report issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	500,000	188	3.84	5.77	249	3.7	5.62	0	0	0	76	5.90	11.80	153	5.78	2.89	36.59	3.45	77039.79	7.33	36.85	451
131000126	13	Beeville City-wide Drainage Study	Beeville	Beeville City-wide Drainage Study	Watershed planning	250,000	671	4.67	7.00	2931	5.2	7.85	18	2.73	6.82	13	3.83	7.65	136	5.66	2.83	13.43	2.65	13.69	2.03	36.83	452
151000096	15	Maverick County	Maverick County	Develop Flood risk maps for the county of Maverick and develop CIP	Watershed planning	500,000	1832	5.32	7.98	5421	5.6	8.40	1	0.67	1.68	6	2.93	5.85	62	4.87	2.43	91.35	4.19	12886.00	6.23	36.76	453
051000053	5	City of Beaumont Master Drainage Plan	Beaumont	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	600,000	2546	5.53	8.30	7759	5.8	8.73	16	2.64	6.59	4	2.46	4.92	4	2.12	1.06	55.21	3.78	120.36	3.36	36.75	454
041000014	4	Panola County Flood Hazard Mapping	Panola County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	3,700,000	750	4.74	7.11	1416	4.8	7.19	2	1.10	2.75	10	3.52	7.04	10	3.03	1.51	118.78	4.40	24459.43	6.62	36.63	455
041000015	4	Panola County Drainage Master Plan	Panola County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,700,000	750	4.74	7.11	1416	4.8	7.19	2	1.10	2.75	10	3.52	7.04	10	3.03	1.51	118.78	4.40	24459.43	6.62	36.63	455
011000002	1	Clay County FIS	Clay County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	1,169,000	128	3.59	5.39	265	3.8	5.67	0	0	0	64	5.70	11.39	122	5.55	2.78	63.88	3.90	94917.57	7.46	36.59	457
011000181	1	Clay County Drainage Master Plan	Clay County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	128	3.59	5.39	265	3.8	5.67	0	0	0	64	5.70	11.39	122	5.55	2.78	63.88	3.90	94917.57	7.46	36.59	457
151000210	15	City of Del Rio Master Watershed Study Solution 1	Del Rio	Regional Stormwater facilities beside Tributary 1 there is an empty lot that can be available as off-channel detention area for flood control	Project planning	180,000	1176	5.03	7.55	2800	5.2	7.80	2	1.10	2.75	21	4.39	8.78	144	5.72	2.86	46.54	3.65	91.99	3.20	36.58	459
031000152	3	City of Liberty WWTP Levee Study	Liberty	Study to evaluate constructing levee floodwall around waste water treatment plant	Project planning	80,000	493	4.47	6.70	11760	6.1	9.10	28	3.06	7.66	3	2.14	4.27	0	0	0	33.57	3.38	3323.37	5.40	36.52	460
111000120	11	Ingram ISD Construct New Storm Drainage Infrastructure	Ingram ISD	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Project planning	100,000	1342	5.12	7.68	1869	5.0	7.44	1	0.67	1.68	41	5.17	10.35	0	0	0	36.43	3.45	7281.62	5.88	36.47	461
111000121	11	Ingram ISD Improve Existing Storm Drainage Infrastructure	Ingram ISD	Project planning to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	Project planning	100,000	1342	5.12	7.68	1869	5.0	7.44	1	0.67	1.68	41	5.17	10.35	0	0	0	36.43	3.45	7281.62	5.88	36.47	461
031000170	3	Mansfield Stream Stabilization Study	Mansfield	Evaluate alternatives to protect public infrastructure and private property from damages due to streambank erosion. Alternatives could include Saddlehorn/Walnut Creek sewer interceptor aerial crossing and Brookfield Hogpen sewer interceptor	Project planning	182,000	422	4.37	6.55	63352	7.1	10.62	4	1.59	3.98	12	3.73	7.47	0	0	0	30.21	3.30	778.52	4.51	36.44	463
011000037	1	Montague County FIS	Montague County	Update flood insurance study for the county and develop regulatory mapping	Watershed planning	981,000	255	4.04	6.06	375	4.0	5.99	0	0	0	53	5.48	10.95	136	5.66	2.83	36.57	3.45	49720.95	7.06	36.34	464

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
011000044	1	Montague County Drainage Master Plan	Montague County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	255	4.04	6.06	375	4.0	5.99	0	0	0	53	5.48	10.95	136	5.66	2.83	36.57	3.45	49720.95	7.06	36.34	464
011000042	1	Gray County FIS	Gray County	Update flood insurance study for the county and develop regulatory mapping	Watershed planning	908,000	295	4.14	6.20	1104	4.6	6.96	2	1.10	2.75	14	3.91	7.83	14	3.37	1.68	49.36	3.69	63862.55	7.21	36.33	466
051000064	5	City of Lufkin Detention Pond Construction and Improvements	Lufkin	Evaluate project to quantify benefits, evaluate impacts, and begin design for a retention pond behind Inez Timms property. Increase holding capacity of existing retention ponds throughout the city.	Project planning	82,500	969	4.91	7.36	6103	5.7	8.51	5	1.76	4.40	16	4.07	8.14	16	3.50	1.75	34.02	3.40	37.25	2.64	36.20	467
141000008	14	Sediment Control at Alamito and Terneros Creek	Presidio County	Design sediment control structures on Alamito Creek and Terneros Creek upstream of confluence with the Rio Grande to reduce sediment in the Rio Grande and reduce USIBWC maintenance burden.	Project planning	111,000	444	4.40	6.60	1599	4.9	7.30	0	0	0	24	4.55	9.09	132	5.63	2.82	46.96	3.65	28207.60	6.71	36.17	468
071000219	7	White Dams	White River MWD	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	433	4.39	6.58	470	4.1	6.19	2	1.10	2.75	7	3.10	6.21	7	2.67	1.33	613.79	5.72	82526.84	7.37	36.15	469
021000008	2	Red River County FIS	Red River County	Develop FIS for the County	Watershed planning	2,606,000	391	4.32	6.48	336	3.9	5.89	5	1.76	4.40	16	4.07	8.14	0	0	0	156.66	4.62	24045.28	6.61	36.14	470
151000434	15	Donna Irrigation District - FM 1423 Ditch Rehab Project 1	Donna Irrigation District Hidalgo County 1	Improve drainage/irrigation ditch on FM1423 south of Business 83 to improve capacity	Project planning	105,726	7190	6.21	9.31	24406	6.5	9.76	11	2.35	5.88	0	0	0	0	0	0	173.36	4.71	18072.36	6.44	36.10	471
151000435	15	Donna Irrigation District - FM 1423 Ditch Rehab Project 2	Donna Irrigation District Hidalgo County 1	Improve drainage/irrigation ditch on FM1423 between Elm & Pine to improve capacity	Project planning	46,598	7190	6.21	9.31	24406	6.5	9.76	11	2.35	5.88	0	0	0	0	0	0	173.36	4.71	18072.36	6.44	36.10	471
091000036	9	Gaines County DMP	Andrews County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	1890	5.34	8.01	2654	5.2	7.76	1	0.67	1.68	5	2.72	5.43	0	0	0	434.30	5.44	147852.42	7.73	36.05	473
091000037	9	Gaines County GIS Development	Andrews County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	1890	5.34	8.01	2654	5.2	7.76	1	0.67	1.68	5	2.72	5.43	0	0	0	434.30	5.44	147852.42	7.73	36.05	473
091000038	9	Gaines County FEMA Mapping	Andrews County	Create FEMA Mapping in previously unmapped areas	Watershed planning	1,272,000	1890	5.34	8.01	2654	5.2	7.76	1	0.67	1.68	5	2.72	5.43	0	0	0	434.30	5.44	147852.42	7.73	36.05	473
121000153	12	Master Drainage Plan for Bexar County Unincorporated Areas	Bexar County	Engineering master plan to assess flood damage centers for Bexar County unincorporated areas.	Watershed planning	150,000	11261	6.50	9.75	52002	7.0	10.45	0	0	0	0	0	0	4535	9.20	4.60	353.03	5.28	7583.36	5.91	35.98	476
121000154	12	Master Drainage Plan for Bexar County HALT Low Water	Bexar County	Engineering master plan to assess existing HALT sites for drainage improvements.	Watershed planning	150,000	11261	6.50	9.75	52002	7.0	10.45	0	0	0	0	0	0	4535	9.20	4.60	353.03	5.28	7583.36	5.91	35.98	476
131000067	13	City of Falfurrias City-Wide Flood Study	Falfurrias	City wide flood study to evaluate floodplain is required in the City of Falfurrias.	Project planning	250,000	1675	5.26	7.89	5071	5.6	8.34	33	3.19	7.97	2	1.69	3.39	115	5.49	2.75	41.33	3.55	12.35	1.97	35.86	478
111000139	11	Technical Study to Enhance Great Springs Project Regional Flood Mitigation	Edwards Aquifer Authority	The study will assess and quantify the flood mitigation impacts of an additional 50,000 acres of land conservation and trail development and identify possible modifications of open space and trail features to enhance flood mitigation.	Watershed planning	250,000	382	4.30	6.46	802	4.4	6.67	3	1.38	3.46	44	5.26	10.51	0	0	0	18.54	2.91	6858.22	5.84	35.85	479
091000053	9	Martin County DMP	Andrews County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	902	4.86	7.29	1987	5.0	7.49	3	1.38	3.46	5	2.72	5.43	0	0	0	229.11	4.93	60436.15	7.18	35.78	480
091000054	9	Martin County FEMA Mapping	Andrews County	Create FEMA Mapping in previously unmapped areas	Watershed planning	788,000	902	4.86	7.29	1987	5.0	7.49	3	1.38	3.46	5	2.72	5.43	0	0	0	229.11	4.93	60436.15	7.18	35.78	480
091000055	9	Martin County GIS Development	Andrews County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	902	4.86	7.29	1987	5.0	7.49	3	1.38	3.46	5	2.72	5.43	0	0	0	229.11	4.93	60436.15	7.18	35.78	480
131000037	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Construct Storm Drainage Infrastructure (City of Alice)	Alice	This action proposes constructing new storm drainage infrastructure to reduce the potential impacts of future flood events.	Project planning	159,000	893	4.85	7.28	6681	5.7	8.59	8	2.11	5.28	4	2.46	4.92	296	6.45	3.22	19.30	2.94	131.84	3.42	35.66	483
131000039	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Conduct Dam / Levee Failure Studies (City of Alice)	Alice	The City of Alice will work with local dam / levee owners to conduct relevant studies to identify peak flow rates and expected inundations in the event of local dam failures	Project planning	106,000	893	4.85	7.28	6681	5.7	8.59	8	2.11	5.28	4	2.46	4.92	296	6.45	3.22	19.30	2.94	131.84	3.42	35.66	483
131000040	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Construct New Levees and Improve Existing System	Alice	This action proposes constructing new levees and improving existing ones to reduce the potential impacts of future flood events by reducing the likelihood of levee failure.	Project planning	159,000	893	4.85	7.28	6681	5.7	8.59	8	2.11	5.28	4	2.46	4.92	296	6.45	3.22	19.30	2.94	131.84	3.42	35.66	483
021000010	2	Titus County FIS	Titus County	Update County maps to Zone AE	Watershed planning	1,219,000	596	4.59	6.89	2178	5.1	7.58	8	2.11	5.28	9	3.40	6.79	0	0	0	87.11	4.15	1569.94	4.94	35.63	486
021000017	2	Cass County FIS	Cass County	Update County maps to Zone AE	Watershed planning	2,419,000	574	4.57	6.85	1595	4.9	7.30	12	2.42	6.05	7	3.10	6.21	0	0	0	159.49	4.64	858.60	4.57	35.61	487
061000177	6	Addicks Reservoir Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	670,000	3746	5.78	8.68	8182	5.8	8.77	52	3.53	8.84	0	0	0	0	0	0	114.10	4.37	1607.18	4.95	35.61	488
061000501	6	Addicks Reservoir - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Addicks Reservoir watershed.	Watershed planning	31,022,000	3746	5.78	8.68	8182	5.8	8.77	52	3.53	8.84	0	0	0	0	0	0	114.10	4.37	1607.18	4.95	35.61	488
061000527	6	Addicks Reservoir Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Addicks Reservoir watershed.	Watershed planning	7,151,000	3746	5.78	8.68	8182	5.8	8.77	52	3.53	8.84	0	0	0	0	0	0	114.10	4.37	1607.18	4.95	35.61	488
071000062	7	Jones County DMP	Jones County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	1145	5.02	7.52	1118	4.6	6.97	2	1.10	2.75	8	3.26	6.52	0	0	0	189.05	4.78	47148.86	7.03	35.57	491
071000168	7	Jones County DCM	Jones County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	1145	5.02	7.52	1118	4.6	6.97	2	1.10	2.75	8	3.26	6.52	0	0	0	189.05	4.78	47148.86	7.03	35.57	491
061000178	6	Barker Reservoir Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	620,000	1051	4.96	7.44	2598	5.2	7.74	11	2.35	5.88	5	2.72	5.43	5	2.33	1.17	34.06	3.40	753.01	4.49	35.54	493
061000533	6	Barker Reservoir Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Barker Reservoir watershed.	Watershed planning	2,369,000	1051	4.96	7.44	2598	5.2	7.74	11	2.35	5.88	5	2.72	5.43	5	2.33	1.17	34.06	3.40	753.01	4.49	35.54	493
061000503	6	Barker Reservoir - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Barkers Reservoir watershed.	Watershed planning	25,956,000	1051	4.96	7.44	2598	5.2	7.74	11	2.35	5.88	5	2.72	5.43	5	2.33	1.17	34.06	3.40	752.60	4.49	35.54	495
071000021	7	Haskell County Update FEMA Mapping	Haskell County	Update existing FEMA mapping	Watershed planning	1,024,000	788	4.77	7.16	708	4.4	6.56	1	0.67	1.68	15	3.99	7.99	0	0	0	226.39	4.92	59647.61	7.17	35.48	496
071000061	7	Haskell County DMP	Haskell County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	788	4.77	7.16	708	4.4	6.56	1	0.67	1.68	15	3.99	7.99	0	0	0	226.39	4.92	59647.61	7.17	35.48	496
071000098	7	Haskell County GIS Development	Haskell County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	788	4.77	7.16	708	4.4	6.56	1	0.67	1.68	15	3.99	7.99	0	0	0	226.39	4.92	59647.61	7.17	35.48	496
071000166	7	Haskell County DCM	Haskell County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	788	4.77	7.16	708	4.4	6.56	1	0.67	1.68	15	3.99	7.99	0	0	0	226.39	4.92	59647.61	7.17	35.48	496
011000203	1	Lower Prairie Dog Town Fork Red Dams	Childress County, Hall Childress SWCD	Perform a watershed-wide evaluation of 6 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	277,000	101	3.44	5.16	65	2.9	4.40	5	1.76	4.40	14	3.91	7.83	14	3.37	1.68	100.14	4.26	139453.34	7.69	35.43	500
031000134	3	Farmers Branch Retention Pond Dredging	Farmers Branch	Dredge the retention ponds along the creeks within the City.	Project planning	125,000	510	4.49	6.74	112256	7.4	11.14	2	1.10	2.75	13	3.83	7.65	0	0	0	23.72	3.11	316.38	3.96	35.34	501

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
111000069	11	City of Victoria Drainage Improvement Study	Victoria	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems in various City locations.	Watershed planning	1,000,000	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000070	11	City of Victoria Harden Critical Infrastructure Project Planning	Victoria	Project planning to harden city buildings, critical infrastructure, and government buildings. Hardening of non-governmental facilities that have been identified as crucial in the response and recovery to/of emergencies and disasters.	Project planning	100,000	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000072	11	City of Victoria Flood Gate Project Planning	Victoria	Project planning for proposed project to rehabilitate, repair, or replace the City of Victoria's existing flood gates, install additional flood gates as appropriate, and construct a storm water lift station in an area to be determined by study.	Project planning	45,000	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000073	11	City of Victoria Regional Drainage Solutions Project Planning	Victoria	Project planning for proposed project for five regional drainage solutions within the City: the Gardens Apartment diversion, Shenandoah ditch improvements, Anthony Road outfall improvements, Lone Tree Road outfall improvements, and Clegg Ditch outfall.	Project planning	1,327,962	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000074	11	City of Victoria - Storm Sewer Improvements Project Planning	Victoria	Project planning for project to replace storm sewer pipe under 18-inch diameter (29.9 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to replace all pipe less than 18-inch diameter.	Project planning	3,946,100	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000076	11	City of Victoria Regrade Priority Ditches and Driveway Culverts Project Planning	Victoria	Project planning for proposed drainage improvements. As a result of a roadside ditch capacity evaluation, it was determined that 23 miles of ditch and 669 driveway culverts are negatively impacting conveyance capacity and need to be regraded.	Project planning	1,165,853	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000077	11	City of Victoria Repair Channel Failures & Sediment Removal Project Planning	Victoria	Project planning for proposed channel improvements. Using field visits and drone footage, it was determined to repair 33,657 sq ft of concreted lined channel, 11,829 sq ft of earthen channel, and remove 227,099 sq ft of sediment.	Project planning	276,201	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000078	11	City of Victoria Stream Restoration Study	Victoria	Study to implement a stream restoration/channelization program to ensure adequate drainage/diversion of storm water, throughout various City low water crossings, streambeds, creek sheds, tributaries, and riverine areas.	Watershed planning	500,000	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000129	11	Victoria County Drainage Improvements Study	Victoria County	Study of solutions to increase dimensions of drainage culverts in areas prone to flooding and/or drainage problems, in various county locations.	Watershed planning	150,000	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
111000131	11	Victoria County Drainage Improvements around County EOC Project Planning	Victoria County	Project planning to improve drainage around County EOC and flood-proof facilities as necessary.	Project planning	100,000	1313	5.10	7.66	3337	5.3	7.96	35	3.23	8.08	1	1.03	2.07	0	0	0	64.08	3.90	4968.03	5.65	35.32	502
071000227	7	Salt Fork Brazos Dams	Dickens County WCID 1, Dickens County WCID 1	Perform a watershed-wide evaluation of 2 dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	102,000	332	4.21	6.32	233	3.7	5.56	2	1.10	2.75	10	3.52	7.04	10	3.03	1.51	314.25	5.18	42371.72	6.96	35.32	512
011000021	1	Hall County FIS	Hall County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	892,000	66	3.17	4.75	37	2.6	3.89	5	1.76	4.40	22	4.44	8.89	22	3.82	1.91	73.76	4.02	90608.16	7.43	35.28	513
011000055	1	Hall County Drainage Master Plan	Hall County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	66	3.17	4.75	37	2.6	3.89	5	1.76	4.40	22	4.44	8.89	22	3.82	1.91	73.76	4.02	90608.16	7.43	35.28	513
101000243	10	Colorado River Levee Gate Structure Improvements	Wharton County	Evaluate BCA and define construction cost for new gate structures along the Eastern Colorado River Levee near Bay City, TX.	Project planning	100,000	3531	5.75	8.62	6869	5.7	8.62	4	1.59	3.98	1	1.03	2.07	0	0	0	152.56	4.60	83082.54	7.37	35.27	515
111000169	11	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning	San Marcos	Update existing study for alternatives, preliminary engineering and design of selected alternative	Project planning	740,000	1330	5.11	7.67	6889	5.7	8.62	3	1.38	3.46	12	3.73	7.47	0	0	0	29.82	3.29	1112.21	4.73	35.23	516
111000119	11	Hunts ISD Storm Drainage Infrastructure Project Planning	Hunt ISD	Project planning to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Project planning	100,000	703	4.70	7.05	827	4.5	6.70	1	0.67	1.68	47	5.33	10.67	0	0	0	28.45	3.25	6512.07	5.81	35.16	517
151000104	15	City of Del Rio	Del Rio	Update flood risk maps for the city of Del Rio and CIP using Atlas 14	Watershed planning	250,000	925	4.88	7.32	2373	5.1	7.65	2	1.10	2.75	17	4.14	8.28	133	5.64	2.82	36.14	3.44	48.57	2.81	35.07	518
031000039	3	Chambers County Dam/Levee Failure Inundation Map Updates	Chambers County, Anahuac, Beach City, Mount Belvieu, Cove, Chambers-Liberty Counties Navigation District, and Old-River-Winfree	Update dam and levee failure inundation maps.	Watershed planning	462,000	2452	5.51	8.26	17932	6.3	9.48	26	3.01	7.52	0	0	0	0	0	0	53.15	3.75	9200.48	6.02	35.04	519
071000001	7	Bailey County Initial FEMA Mapping	Bailey County	Create FEMA Mapping in previously unmapped areas	Watershed planning	711,000	475	4.45	6.67	759	4.4	6.62	1	0.67	1.68	13	3.83	7.65	0	0	0	499.03	5.56	32566.80	6.80	34.98	520
071000085	7	Bailey County GIS Development	Bailey County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	475	4.45	6.67	759	4.4	6.62	1	0.67	1.68	13	3.83	7.65	0	0	0	499.03	5.56	32566.80	6.80	34.98	520
071000121	7	Bailey County DCM	Bailey County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	475	4.45	6.67	759	4.4	6.62	1	0.67	1.68	13	3.83	7.65	0	0	0	499.03	5.56	32566.80	6.80	34.98	520
151000445	15	City of Edinburg - Holistic HUC Flood Protection Study	Edinburg	Develop flood risk maps for the City of Edinburg and develop CIP.	Watershed planning	1,500,000	6839	6.17	9.26	34074	6.7	10.06	10	2.28	5.70	0	0	0	0	0	0	156.23	4.62	2899.39	5.32	34.97	523
151000098	15	Starr County Drainage District	Starr County Drainage District	Develop Flood risk maps for the Starr County Drainage District and develop CIP	Watershed planning	250,000	4521	5.91	8.86	15723	6.2	9.36	6	1.90	4.74	0	0	0	0	0	0	200.24	4.82	59605.43	7.17	34.96	524
151000097	15	Starr County	Starr County	Develop Flood risk maps for the county of Starr and develop CIP	Watershed planning	250,000	4521	5.91	8.86	15723	6.2	9.36	6	1.90	4.74	0	0	0	0	0	0	200.21	4.82	59606.58	7.17	34.96	525
151000103	15	Rgc Public Works, Escobares City, And Starr Public Works Roadway Improvements	Starr County	Improve Roadways, By Widening And Raising, And Create Drainage Culverts Or Bridges. (Morenos Creek And Garceno Creek)(Kelsey Creek, Rio Grande City)	Project planning	528,000	4521	5.91	8.86	15723	6.2	9.36	6	1.90	4.74	0	0	0	0	0	0	200.21	4.82	59606.58	7.17	34.96	525
151000432	15	Starr County Hazard Mitigation Plan Action #18	Starr County	Widen Arroyo Los Morenos (Creek) to improve water flow and prevent flooding	Project planning	1,440,000	4521	5.91	8.86	15723	6.2	9.36	6	1.90	4.74	0	0	0	0	0	0	200.21	4.82	59605.57	7.17	34.96	527
061000291	6	City of Texas City Master Drainage Plan	Texas City	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	950,000	1284	5.09	7.63	2121	5.0	7.55	16	2.64	6.59	3	2.14	4.27	3	1.84	0.92	46.23	3.64	569.91	4.32	34.93	528
011000017	1	Hutchinson County FIS	Hutchinson County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	895,000	428	4.38	6.57	587	4.3	6.39	2	1.10	2.75	10	3.52	7.04	10	3.03	1.51	29.87	3.29	70011.99	7.27	34.82	529
011000052	1	Hutchinson County Drainage Master Plan	Hutchinson County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	428	4.38	6.57	587	4.3	6.39	2	1.10	2.75	10	3.52	7.04	10	3.03	1.51	29.87	3.29	70011.99	7.27	34.82	529
141000025	14	Develop Supplemental Watershed Plans for flood control dams protecting Ozona	Ozona CDP, Crockett County	Assess & evaluate rehabilitation improvements for NRCS dam identified by TCEQ as "Hydraulically Inadequate". Define upgrades of dam in Supplemental Watershed Plans for Johnsons Draw SCS Site 7 Dam.	Project planning	1,456,000	944	4.89	7.34	1599	4.9	7.30	4	1.59	3.98	29	4.77	9.54	144	5.72	2.86	19.76	2.96	1.86	0.85	34.82	531
061000340	6	Willow Creek Watershed Plan - FM2920 Stormwater Detention Basin	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 826 acre-feet detention basin located near FM 2920 crossing of Willow Creek.	Project planning	30,000	1317	5.11	7.66	2575	5.2	7.73	7	2.01	5.03	8	3.26	6.52	8	2.80	1.40	36.03	3.44	68.14	3.02	34.80	532
061000341	6	Willow Creek Watershed Plan - Kuykendahl Basin	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 727 acre-feet detention basin located near Kuykendahl Road crossing of Willow Creek.	Project planning	30,000	1317	5.11	7.66	2575	5.2	7.73	7	2.01	5.03	8	3.26	6.52	8	2.80	1.40	36.03	3.44	68.14	3.02	34.80	532

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000342	6	Willow Creek Watershed Plan - M121 Basin Stormwater Detention Basin	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Proposed 1010 acre-feet detention basin located near M121 tributary.	Project planning	30,000	1317	5.11	7.66	2575	5.2	7.73	7	2.01	5.03	8	3.26	6.52	8	2.80	1.40	36.03	3.44	68.14	3.02	34.80	532
061000516	6	Willow Creek - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Willow Creek watershed.	Watershed planning	17,179,000	1317	5.11	7.66	2575	5.2	7.73	7	2.01	5.03	8	3.26	6.52	8	2.80	1.40	36.03	3.44	68.14	3.02	34.80	532
061000531	6	Willow Creek Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Willow Creek watershed.	Watershed planning	972,000	1317	5.11	7.66	2575	5.2	7.73	7	2.01	5.03	8	3.26	6.52	8	2.80	1.40	36.03	3.44	68.14	3.02	34.80	532
031000064	3	Haltom City DMP	Haltom City	Evaluate City and identify future projects.	Watershed planning	500,000	1049	4.96	7.44	43048	6.9	10.28	6	1.90	4.74	7	3.10	6.21	0	0	0	22.52	3.06	71.51	3.04	34.77	537
031000198	3	FM 661 at Mountain Creek (Future with Development)	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $7,750,000	Project planning	388,000	224	3.96	5.94	8815	5.9	8.84	1	0.67	1.68	48	5.36	10.72	0	0	0	7.16	2.14	3239.75	5.38	34.70	538
061000170	6	Spring Gully Watershed Planning Project Near-Term Planning Project: PA03	Harris County Flood Control District	Planning-level study needed. PA03 warrented a near-term solution. Flooded structures centralized in a short reach along the main stem O200-00-00 which the best strategy for the area was buyouts.	Project planning	600,000	1882	5.34	8.01	5995	5.7	8.49	64	3.69	9.23	1	1.03	2.07	1	0.89	0.44	32.83	3.37	73.13	3.06	34.67	539
061000171	6	Spring Gully Watershed Planning Project-Near-term Planning Project: PA04	Harris County Flood Control District	Planning-level study. Lowering WSEL in O203-00-00 to around 29 feet MSL. Most benefit when O203-00-00 and Thompson Road Storm drain system upsized, but Thompson road storm drain design.	Project planning	210,000	1882	5.34	8.01	5995	5.7	8.49	64	3.69	9.23	1	1.03	2.07	1	0.89	0.44	32.83	3.37	73.13	3.06	34.67	539
061000172	6	Spring Gully Watershed Planning Project - Near-term planning project: PA05	Harris County Flood Control District	Planning-level study needed. A stormwater detention basin near confluence of O207-00-00 nd O207-01-00 reuired to lower WSEl . Reduced flow rates only after relief channel in Phase III implemented.	Project planning	170,000	1882	5.34	8.01	5995	5.7	8.49	64	3.69	9.23	1	1.03	2.07	1	0.89	0.44	32.83	3.37	73.13	3.06	34.67	539
061000525	6	Spring Gully & Goose Creek Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Spring Gully & Goose Creek watershed.	Watershed planning	3,591,000	1882	5.34	8.01	5995	5.7	8.49	64	3.69	9.23	1	1.03	2.07	1	0.89	0.44	32.83	3.37	73.13	3.06	34.67	539
061000530	6	Spring Gully & Goose Creek - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Spring Gully & Goose Creek watershed.	Watershed planning	14,929,000	1882	5.34	8.01	5995	5.7	8.49	64	3.69	9.23	1	1.03	2.07	1	0.89	0.44	32.83	3.37	73.13	3.06	34.67	539
031000484	3	Floodplain Mapping Updates of Graham Branch	Flower Mound	Floodplain mapping of Graham Branch to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	80,000	398	4.33	6.50	496	4.2	6.24	253	4.74	11.84	0	0	0	0	0	0	124.50	4.44	4591.68	5.60	34.62	544
151000213	15	Cameron County Drainage District No. 5 Regional Detention and Channel Improvements	Cameron County Drainage District 5	New Regional Detention Ponds and Channel Improvement Projects in Cameron County Drainage District No. 5 jurisdiction	Project planning	510,000	3716	5.78	8.67	8380	5.9	8.80	4	1.59	3.98	0	0	0	307	6.48	3.24	106.48	4.31	4480.62	5.58	34.59	545
151000214	15	Cameron County Drainage District No. 5 Stormsewer, Bridge, and Culvert Improvements.	Cameron County Drainage District 5	New Stormsewer, bridge, and culvert improvements.	Project planning	240,000	3716	5.78	8.67	8380	5.9	8.80	4	1.59	3.98	0	0	0	307	6.48	3.24	106.48	4.31	4480.62	5.58	34.59	545
031000003	3	Chambers County FEMA Mapping	Chambers County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	874,000	2225	5.45	8.17	17932	6.3	9.48	26	3.01	7.52	0	0	0	0	0	0	53.15	3.75	4747.46	5.62	34.54	547
131000197	13	Risk Area 12 - FM 1694 & TX 44 North	Robstown	Flooding causes mobility issues at intersection. TX44 North also acts as a dam and is causing additional flooding to the area West of it.	Project planning	150,000	2131	5.42	8.13	7012	5.8	8.63	56	3.59	8.98	0	0	0	0	0	0	54.16	3.77	1834.36	5.04	34.54	548
131000201	13	Risk Area 10 - Robstown Drains	Robstown	Excess runoff from surrounding stream flows W to E through the area. Local ponding and flooding also occurs in most of the residential area.	Project planning	150,000	2131	5.42	8.13	7012	5.8	8.63	56	3.59	8.98	0	0	0	0	0	0	54.16	3.77	1834.36	5.04	34.54	548
021000007	2	Hopkins County FIS	Hopkins County	Update County maps to Zone AE	Watershed planning	2,061,000	702	4.70	7.05	4454	5.5	8.22	5	1.76	4.40	3	2.14	4.27	0	0	0	148.55	4.58	8634.12	5.99	34.51	550
051000012	5	Nacogdoches County Update Flood Hazard Mapping	Nacogdoches County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	4,400,000	585	4.58	6.87	4007	5.4	8.13	1	0.67	1.68	20	4.33	8.66	20	3.73	1.86	38.32	3.49	239.82	3.79	34.48	551
051000033	5	Nacogdoches County Master Drainage Plan	Nacogdoches County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,900,000	585	4.58	6.87	4007	5.4	8.13	1	0.67	1.68	20	4.33	8.66	20	3.73	1.86	38.32	3.49	239.82	3.79	34.48	551
011000212	1	Upper Salt Fork Red Dams	Greenbelt Municipal & Industrial Water Authority	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	212	3.92	5.88	412	4.0	6.07	2	1.10	2.75	12	3.73	7.47	12	3.21	1.61	39.72	3.52	55753.73	7.13	34.42	553
031000355	3	City of Weatherford DMP	Weatherford	Evaluate city and identify future projects	Watershed planning	500,000	520	4.50	6.76	33552	6.7	10.05	5	1.76	4.40	6	2.93	5.85	0	0	0	17.59	2.87	759.01	4.49	34.41	554
011000201	1	Palo Duro Dams (South)	Amarillo	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	309	4.17	6.25	1015	4.6	6.89	1	0.67	1.68	12	3.73	7.47	12	3.21	1.61	49.74	3.70	31798.06	6.79	34.37	555
031000031	3	Trinity County FEMA Mapping	Trinity County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	989,000	1312	5.10	7.66	9611	5.9	8.92	11	2.35	5.88	1	1.03	2.07	0	0	0	53.77	3.76	9960.17	6.07	34.37	556
031000091	3	Trinity County DMP	Trinity County	Evaluate County and identify future projects.	Watershed planning	500,000	1200	5.05	7.57	9611	5.9	8.92	11	2.35	5.88	1	1.03	2.07	0	0	0	53.77	3.76	9902.66	6.07	34.28	557
031000010	3	Freestone County FEMA Mapping	Freestone County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,201,000	557	4.55	6.82	15535	6.2	9.35	3	1.38	3.46	2	1.69	3.39	0	0	0	90.63	4.18	48504.25	7.04	34.25	558
031000081	3	Freestone County DMP	Freestone County, Fairfield, Streetman, Teague, Wortham	Evaluate County and identify future projects.	Watershed planning	500,000	557	4.55	6.82	15535	6.2	9.35	3	1.38	3.46	2	1.69	3.39	0	0	0	90.63	4.18	48504.25	7.04	34.25	558
031000456	3	Preliminary Engineering Study for Mary's Creek Mitigation for Fort Worth Floodway and Central City	Tarrant Regional Water District	Preliminary engineering of a flood mitigation concept in the Mary's Creek basin upstream of the Fort Worth Floodway Federal Project and the Fort Worth Central City (FWCC) Project	Project planning	1,229,000	477	4.45	6.67	21341	6.4	9.64	0	0	0	32	4.88	9.77	0	0	0	18.70	2.91	2622.61	5.25	34.25	560
101000111	10	Adopt Flood Insurance Rate Maps	Brownwood	Adopt DFIRM	Watershed planning	250,000	1220	5.06	7.58	4826	5.5	8.30	2	1.10	2.75	12	3.73	7.47	0	0	0	29.44	3.28	1404.40	4.87	34.24	561
061000358	6	Little Cypress Creek - Management, Right-of-Way Acquisition, Design and Construction of the Little Cypress Creek Frontier Program	Harris County Flood Control District	Study to develop a BCR required for this to become a FMP. The Little Cypress Creek Frontier program will reduce the risk of flooding and include detention, sediment control, vegetation management and other flood risk management projects.	Project planning	30,000	1213	5.05	7.58	2734	5.2	7.78	14	2.54	6.34	4	2.46	4.92	4	2.12	1.06	18.59	2.91	192.02	3.65	34.24	562
061000510	6	Little Cypress Creek - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Little Cypress Creek watershed.	Watershed planning	13,778,000	1213	5.05	7.58	2734	5.2	7.78	14	2.54	6.34	4	2.46	4.92	4	2.12	1.06	18.59	2.91	192.02	3.65	34.24	562
061000528	6	Little Cypress Creek Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Little Cypress Creek watershed.	Watershed planning	568,000	1213	5.05	7.58	2734	5.2	7.78	14	2.54	6.34	4	2.46	4.92	4	2.12	1.06	18.59	2.91	192.02	3.65	34.24	562
041000080	4	Smith County Drainage Capacity Upgrades	Smith County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Project planning	225,000	1303	5.10	7.65	1990	5.0	7.50	7	2.01	5.03	0	0	0	0	0	0	9798.67	7.95	9798.67	6.06	34.19	565
011000027	1	Donley County FIS	Donley County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	957,000	219	3.94	5.91	525	4.2	6.29	2	1.10	2.75	9	3.40	6.79	9	2.92	1.46	46.07	3.64	76552.17	7.32	34.17	566
031000485	3	Floodplain Mapping Updates of McKamy Creek	Flower Mound	Floodplain mapping of McKamy Creek to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	65,000	1519	5.20	7.80	3028	5.3	7.88	174	4.45	11.13	0	0	0	0	0	0	87.68	4.16	92.50	3.20	34.17	567

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000184	12	Karnes County FEWS	Karnes County	Flood Early Warning System	Preparedness	100,000	336	4.22	6.33	422	4.1	6.09	0	0	0	19	4.27	8.54	213	6.11	3.06	58.80	3.84	14495.22	6.30	34.16	568
031000487	3	Floodplain Mapping Updates of Sharps Branch	Flower Mound	Floodplain mapping of Sharps Branch to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	64,000	948	4.89	7.34	899	4.5	6.78	163	4.40	11.01	0	0	0	0	0	0	95.05	4.22	1188.24	4.77	34.12	569
031000030	3	San Jacinto County FEMA Mapping	San Jacinto County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	907,000	2637	5.56	8.33	12746	6.1	9.17	13	2.48	6.20	0	0	0	0	0	0	82.53	4.11	11298.66	6.15	33.97	570
031000090	3	San Jacinto DMP	San Jacinto County, Coldspring, Point Blank, Shepherd	Evaluate County and Identify future projects.	Watershed planning	500,000	2637	5.56	8.33	12746	6.1	9.17	13	2.48	6.20	0	0	0	0	0	0	82.53	4.11	11298.66	6.15	33.97	570
031000162	3	San Jacinto County Drainage and Conveyance Capacity Improvements	Shepherd, San Jacinto County	Evaluate alternatives to improve drainage and conveyance capacity for Big Creek.	Project planning	250,000	2637	5.56	8.33	12746	6.1	9.17	13	2.48	6.20	0	0	0	0	0	0	82.53	4.11	11298.66	6.15	33.97	570
101000076	10	Tres Palacios River	Matagorda County	Install automated flood warning systems on Tres Palacios River	Preparedness	50,000	1805	5.31	7.97	3840	5.4	8.09	1	0.67	1.68	5	2.72	5.43	0	0	0	75.83	4.04	28385.59	6.72	33.92	573
031000379	3	2-9' X 7' Culverts Plano Road	Richardson	Study to eliminate overtoppping for Huffhines Creek at Plano Road crossing for a 100-year storm event by constructing two additional barrels. Est const cost = $1,459,000	Project planning	150,000	961	4.90	7.35	12449	6.1	9.15	78	3.84	9.61	1	1.03	2.07	0	0	0	53.70	3.76	11.96	1.95	33.89	574
031000455	3	Downtown Floodplain Mapping and Reclamation Improvements Evaluation	Lindsay	Detailed flood study of Montague Creek to produce updated inundation mapping and provide proposed channel and crossing improvements through the central district of the city.	Watershed planning	250,000	658	4.66	6.98	668	4.3	6.51	120	4.17	10.43	0	0	0	0	0	0	86.69	4.15	6316.70	5.79	33.86	575
061000507	6	Cedar Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Cedar Bayou watershed.	Watershed planning	5,340,000	2348	5.48	8.22	4369	5.5	8.21	36	3.25	8.14	0	0	0	0	0	0	64.25	3.91	3104.43	5.36	33.83	576
061000526	6	Cedar Bayou Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Cedar Bayou watershed.	Watershed planning	905,000	2345	5.48	8.22	4369	5.5	8.21	36	3.25	8.14	0	0	0	0	0	0	64.25	3.91	3104.43	5.36	33.83	577
041000013	4	Rusk County Flood Hazard Mapping	Rusk County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,850,000	899	4.86	7.29	1374	4.8	7.16	2	1.10	2.75	5	2.72	5.43	5	2.33	1.17	54.85	3.78	13283.33	6.25	33.82	578
011000035	1	Hansford County FIS	Hansford County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	841,000	38	2.81	4.21	36	2.6	3.87	9	2.20	5.50	19	4.27	8.54	19	3.67	1.84	15.98	2.79	44978.06	7.00	33.75	579
031000454	3	Regional Detention Study on Poindexter Creek	Copper Canyon	Proposed 320 ac-ft regional detention pond along Poindexter Branch and Poindexter Branch Tributary 5 and replacement of one (1) 80-ft bridge at Estates Drive. Anticipated const. cost = $1,338,000	Project planning	250,000	1144	5.01	7.52	1207	4.7	7.04	128	4.22	10.55	0	0	0	0	0	0	71.76	4.00	901.46	4.60	33.71	580
111000010	11	City of Cibolo and Seguin Road Access and Conditions Study	Cibolo, Seguin	Study to evaluate access and road conditions for response vehicles, develop and implement options to improve access and/or add redundant access routes in high risk areas.	Preparedness	500,000	846	4.82	7.23	2283	5.1	7.62	5	1.76	4.40	8	3.26	6.52	0	0	0	25.20	3.15	1157.08	4.75	33.67	581
111000011	11	City of Cibolo and Seguin USACE Study	Cibolo, Seguin	Undertake a comprehensive study of flood risk and reduction alternatives, with the assistance of the U.S. Army Corps of Engineers. Project planning to implement feasible alternatives for flood reduction.	Watershed planning	1,000,000	846	4.82	7.23	2283	5.1	7.62	5	1.76	4.40	8	3.26	6.52	0	0	0	25.20	3.15	1157.08	4.75	33.67	581
111000063	11	City of Seguin Ingress Egress Improvements Project Planning	Seguin	Project planning for proposed project to provide/construct additional means of access into single-entry neighborhoods; Update subdivision codes for a higher level of ingress and egress.	Preparedness	250,000	846	4.82	7.23	2283	5.1	7.62	5	1.76	4.40	8	3.26	6.52	0	0	0	25.20	3.15	1157.08	4.75	33.67	581
111000064	11	City of Seguin City-wide Drainage Improvements Project Planning	Seguin	Project planning to increase Regional Detention, Channel & Drainage System Improvements.	Project planning	200,000	846	4.82	7.23	2283	5.1	7.62	5	1.76	4.40	8	3.26	6.52	0	0	0	25.20	3.15	1157.08	4.75	33.67	581
111000065	11	City of Seguin Voluntary Buyout Program Project Planning	Seguin	Project planning to develop an acquisition and elevation program in flood hazard areas. Elevate or acquire and demolish repetitive loss properties. Acquire high risk vacant land and maintain as open space.	Project planning	300,000	846	4.82	7.23	2283	5.1	7.62	5	1.76	4.40	8	3.26	6.52	0	0	0	25.20	3.15	1157.08	4.75	33.67	581
111000066	11	City of Seguin Citywide Drainage Project Planning	Seguin	Project planning for four priority drainage projects within the City of Seguin that would greatly improve the safety of their 25,520 residents. Project areas include North Guadalupe, North Heideke, Mays Creek and Walnut Branch.	Project planning	4,304,000	846	4.82	7.23	2283	5.1	7.62	5	1.76	4.40	8	3.26	6.52	0	0	0	25.20	3.15	1157.08	4.75	33.67	581
111000178	11	City of Seguin Drainage Master Plan	Seguin	Update of drainage master plan for City of Seguin	Watershed planning	450,000	846	4.82	7.23	2283	5.1	7.62	5	1.76	4.40	8	3.26	6.52	0	0	0	25.20	3.15	1157.08	4.75	33.67	581
031000024	3	Madison County FEMA Mapping	Madison County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	724,000	409	4.35	6.52	13371	6.1	9.22	7	2.01	5.03	1	1.03	2.07	0	0	0	58.40	3.83	45093.89	7.00	33.67	588
031000433	3	Coombs Creek Bridge @ Brooklyndell	Dallas	Proposed bridge installment along Brooklyndell for flood protection.	Project planning	260,000	1540	5.21	7.81	3096	5.3	7.90	68	3.74	9.35	2	1.69	3.39	0	0	0	71.91	4.00	3.10	1.14	33.57	589
031000432	3	Coombs Creek Bridge @ Gibsondell	Dallas	Proposed bridge installment along Gibsondell for flood protection.	Project planning	155,000	1540	5.21	7.81	3074	5.3	7.89	68	3.74	9.35	2	1.69	3.39	0	0	0	71.91	4.00	3.10	1.14	33.57	590
061000034	6	Galveston Bay Watershed Plan- Analysis of PA07 100-year Conveyance Project	Harris County Flood Control District	Project recommended by the Galveston Bay Watershed Plan. Modeling required to determine no negative Proposed subdivision drainage improvements to the Battle Ground Estates include replacement of driveway crossings and widening F101-08.	Project planning	400,000	3301	5.70	8.55	8623	5.9	8.82	107	4.08	10.21	0	0	0	0	0	0	55.06	3.78	17.82	2.19	33.56	591
061000035	6	Galveston Bay Watershed Plan- Analysis of PA08 100-year Conveyance Project	Harris County Flood Control District	Project recommended by the Galveston Bay Watershed Plan. Modeling required to determine no negative impacts. Storm sewer improvements to Monument Estates, increase roadside ditch capacity, and expand bypass channel outflowing into F101-00-00.	Project planning	800,000	3301	5.70	8.55	8623	5.9	8.82	107	4.08	10.21	0	0	0	0	0	0	55.06	3.78	17.82	2.19	33.56	591
061000512	6	San Jacinto & Galveston Bay - Neighborhood Future Floodplain	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for San Jacinto & Galveston Bay watershed.	Watershed planning	15,316,000	3301	5.70	8.55	8623	5.9	8.82	107	4.08	10.21	0	0	0	0	0	0	55.06	3.78	17.82	2.19	33.56	591
131000008	13	D'Hanis Flood Study	Medina County	D'Hanis Flood Study needed from Leakey road show on 3/21/2022	Watershed planning	250,000	253	4.04	6.06	591	4.3	6.40	16	2.64	6.59	5	2.72	5.43	39	4.40	2.20	15.65	2.77	404.72	4.11	33.56	594
041000005	4	Harrison County Flood Hazard Mapping	Harrison County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,850,000	1086	4.98	7.47	5221	5.6	8.37	3	1.38	3.46	2	1.69	3.39	2	1.46	0.73	81.93	4.10	9144.01	6.02	33.54	595
091000059	9	Mitchell County FEMA Mapping	Borden County	Update Existing FEMA Mapping	Watershed planning	929,000	344	4.24	6.35	628	4.3	6.45	2	1.10	2.75	11	3.63	7.26	0	0	0	107.65	4.32	16809.28	6.39	33.53	596
091000060	9	Mitchell County GIS Development	Borden County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	344	4.24	6.35	628	4.3	6.45	2	1.10	2.75	11	3.63	7.26	0	0	0	107.65	4.32	16809.28	6.39	33.53	596
091000061	9	Mitchell County DMP	Borden County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	344	4.24	6.35	628	4.3	6.45	2	1.10	2.75	11	3.63	7.26	0	0	0	107.65	4.32	16809.28	6.39	33.53	596
041000018	4	Wood County Flood Hazard Mapping	Wood County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	3,200,000	1546	5.21	7.82	1773	4.9	7.39	7	2.01	5.03	1	1.03	2.07	1	0.89	0.44	105.11	4.30	18534.24	6.45	33.51	599
071000165	7	Hale County DCM	Hale County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	1318	5.11	7.66	3089	5.3	7.89	0	0	0	6	2.93	5.85	0	0	0	221.61	4.90	59708.41	7.17	33.48	600
051000045	5	City of Lufkin Master Drainage Plan	Lufkin	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,000,000	868	4.84	7.25	6004	5.7	8.49	5	1.76	4.40	12	3.73	7.47	12	3.21	1.61	23.34	3.09	3.23	1.16	33.47	601
031000044	3	Madison County Dam Inundation Study	Madison County	Create dam failure inundation maps	Watershed planning	478,000	338	4.22	6.34	13371	6.1	9.22	7	2.01	5.03	1	1.03	2.07	0	0	0	58.40	3.83	43020.88	6.97	33.46	602
011000013	1	Carson County FIS	Carson County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	826,000	87	3.34	5.02	190	3.6	5.37	4	1.59	3.98	10	3.52	7.04	12	3.21	1.61	35.60	3.43	43317.89	6.97	33.43	603
011000049	1	Carson County Drainage Master Plan	Carson County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	87	3.34	5.02	190	3.6	5.37	4	1.59	3.98	10	3.52	7.04	12	3.21	1.61	35.60	3.43	43317.89	6.97	33.43	603

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000223	6	City of Baytown Master Drainage Plan	Baytown	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	520,000	1184	5.04	7.56	5397	5.6	8.40	36	3.25	8.14	1	1.03	2.07	1	0.89	0.44	50.20	3.71	78.84	3.10	33.42	605
151000287	15	Main Canal Piping	Cameron County Drainage District 6	Main Canal Piping	Project planning	875,635	1650	5.25	7.88	3548	5.3	8.02	2	1.10	2.75	1	1.03	2.07	124	5.57	2.78	54.05	3.77	11079.34	6.14	33.40	606
151000288	15	East Ditch Widening	Cameron County Drainage District 6	East Ditch Widening	Project planning	204,422	1650	5.25	7.88	3548	5.3	8.02	2	1.10	2.75	1	1.03	2.07	124	5.57	2.78	54.05	3.77	11079.34	6.14	33.40	606
151000293	15	Parker Drain regional detention facility	Cameron County Drainage District 6	Parker Drain regional detention facility	Project planning	1,427,175	1650	5.25	7.88	3548	5.3	8.02	2	1.10	2.75	1	1.03	2.07	124	5.57	2.78	54.05	3.77	11079.34	6.14	33.40	606
151000294	15	Tio Cano Lake Pump Station	Cameron County Drainage District 6	Tio Cano Lake Pump Station	Project planning	308,772	1650	5.25	7.88	3548	5.3	8.02	2	1.10	2.75	1	1.03	2.07	124	5.57	2.78	54.05	3.77	11079.34	6.14	33.40	606
121000161	12	Holistic Watershed based master planning consistent with Nature Based Solutions	San Antonio River Authority	This Flood Management Evaluation (FME) will fill the knowledge gap in the region on the benefits of NFMS for floodplains, flood peak attenuation, ecosystem services, groundwater recharge, and recreational value	Watershed planning	2,247,403	7156	6.20	9.31	41778	6.8	10.25	0	0	0	0	0	0	2760	8.70	4.35	194.16	4.80	1054.41	4.70	33.40	610
091000131	9	Mitchell County Flood Early Warning System	Mitchell County	Install a flood early warning system along flood-prone waterways in unincorporated areas of the county.	Preparedness	10,000	1497	5.19	7.78	3141	5.3	7.91	2	1.10	2.75	26	4.64	9.28	26	3.99	2.00	48.00	3.67	0	0	33.38	611
041000087	4	Rockwall County Flood Hazard Mapping	Rockwall County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	575,000	191	3.85	5.78	673	4.3	6.52	0	0	0	11	3.63	7.26	11	3.12	1.56	2828.89	6.95	2828.89	5.30	33.37	612
131000007	13	City of Hondo Drainage Master Plan and Flood Mitigation plan	Hondo	City of Hondo Drainage Master Plan and Flood Mitigation plan	Project planning	250,000	592	4.59	6.88	2211	5.1	7.59	3	1.38	3.46	5	2.72	5.43	67	4.95	2.47	15.19	2.75	1095.85	4.72	33.30	613
131000009	13	Comprehensive Plan Update	Hondo	Creation of Future Land Use Plan, Thoroughfare Plan, Site Plans for Planned Development, Parks Planning, Implementation	Watershed planning	200,000	592	4.59	6.88	2211	5.1	7.59	3	1.38	3.46	5	2.72	5.43	67	4.95	2.47	15.19	2.75	1095.85	4.72	33.30	613
131000010	13	Flood mapping updates and hydrologic and hydraulic modeling	Hondo	Scope would likely include updating the Hydrology and Hydraulic modeling for approximately 5 miles of study stream for the Hondo area. The goal would be to then use this data to apply to FEMA to update the flood mapping within the City and immediate area.	Watershed planning	523,000	592	4.59	6.88	2211	5.1	7.59	3	1.38	3.46	5	2.72	5.43	67	4.95	2.47	15.19	2.75	1095.85	4.72	33.30	613
131000011	13	Drainage and Stormwater Master Plan	Hondo	Restudy of the City's floodplain and creation of a holistic plan for the City's drainage and stormwater system. This data would then be used as a foundation to update the City's Subdivision Ordinance and Building Codes to mitigate future flood risks.	Watershed planning	250,000	592	4.59	6.88	2211	5.1	7.59	3	1.38	3.46	5	2.72	5.43	67	4.95	2.47	15.19	2.75	1095.85	4.72	33.30	613
131000012	13	Emergency Management Plan and Flood Hazard Mitigation Plan	Hondo	Creation of a plan for disaster preparedness to decrease repetitive losses, financial hardship and loss of life.	Preparedness	300,000	592	4.59	6.88	2211	5.1	7.59	3	1.38	3.46	5	2.72	5.43	67	4.95	2.47	15.19	2.75	1095.85	4.72	33.30	613
131000013	13	Feasibility Study for Regional detention	Hondo	Create a feasibility study for Regional Detention areas to be incorporated into comprehensive drainage planning projects.	Project planning	250,000	592	4.59	6.88	2211	5.1	7.59	3	1.38	3.46	5	2.72	5.43	67	4.95	2.47	15.19	2.75	1095.85	4.72	33.30	613
011000018	1	Moore County FIS	Moore County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	835,000	75	3.25	4.87	228	3.7	5.54	4	1.59	3.98	10	3.52	7.04	13	3.29	1.65	28.65	3.26	38661.18	6.91	33.24	619
071000012	7	Knox County Initial FEMA Mapping	Knox County	Create FEMA Mapping in previously unmapped areas	Watershed planning	871,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
071000064	7	Knox County DMP	Knox County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
071000102	7	Knox County GIS Development	Knox County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
071000116	7	Lake Benjamin Dam Evaluation	Knox County	Perform full H&H analysis and dam assessment of Lake Benjamin Dam. Assess needs for slope stability and spillway improvements.	Project planning	58,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
071000172	7	Knox County DCM	Knox County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
071000173	7	Knox County Relocate Critical Facilities High Hazard	Knox County	Relocate critical facilities out of high hazard areas.	Project planning	2,000,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
071000174	7	Knox County Tax Incentive Program	Knox County	Consider providing tax incentives for development of low-hazard land parcels.	Other	25,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
071000175	7	Knox Flood Protection Lift Station Program	Knox County	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	Project planning	100,000	968	4.91	7.36	1310	4.7	7.12	4	1.59	3.98	2	1.69	3.39	0	0	0	130.50	4.48	33293.22	6.81	33.14	620
031000021	3	Leon County FEMA Mapping	Leon County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,503,000	50	2.99	4.48	11948	6.1	9.12	6	1.90	4.74	5	2.72	5.43	0	0	0	99.56	4.26	2040.32	5.10	33.12	628
091000028	9	Dawson County GIS Development	Borden County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	474	4.44	6.67	763	4.4	6.63	0	0	0	9	3.40	6.79	0	0	0	537.87	5.62	81984.10	7.37	33.07	629
091000029	9	Dawson County DMP	Borden County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	474	4.44	6.67	763	4.4	6.63	0	0	0	9	3.40	6.79	0	0	0	537.87	5.62	81984.10	7.37	33.07	629
091000030	9	Dawson County FEMA Mapping	Borden County	Create FEMA Mapping in previously unmapped areas	Watershed planning	812,000	474	4.44	6.67	763	4.4	6.63	0	0	0	9	3.40	6.79	0	0	0	537.87	5.62	81984.10	7.37	33.07	629
091000089	9	Scurry County FEMA Mapping	Borden County	Update existing FEMA Mapping	Watershed planning	903,000	606	4.60	6.90	1486	4.8	7.23	1	0.67	1.68	10	3.52	7.04	0	0	0	75.92	4.04	11744.70	6.17	33.07	632
091000090	9	Scurry County GIS Development	Borden County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	606	4.60	6.90	1486	4.8	7.23	1	0.67	1.68	10	3.52	7.04	0	0	0	75.92	4.04	11744.70	6.17	33.07	632
091000091	9	Scurry County DMP	Borden County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	25,000	606	4.60	6.90	1486	4.8	7.23	1	0.67	1.68	10	3.52	7.04	0	0	0	75.92	4.04	11744.70	6.17	33.07	632
031000427	3	Ledbetter Branch Detention Basin	Dallas	Proposed flood control berm to reclaim six (6) houses on Ledbetter Branch, a tributary in Fivemile Creek.	Watershed planning	250,000	1771	5.30	7.95	6148	5.7	8.52	172	4.44	11.11	0	0	0	0	0	0	117.50	4.39	2.64	1.04	33.01	635
031000140	3	Cooks Creek Drainage Infrastructure Improvements	Farmers Branch	Evaluation of improvements to drainage infrastructure along Cooks Creek between Bee St and Spring Valley.	Project planning	2,000,000	216	3.93	5.90	54152	7.0	10.48	6	1.90	4.74	5	2.72	5.43	0	0	0	21.51	3.03	129.37	3.41	32.99	636
131000134	13	Aransas County Flood Response Plan	Aransas County	Aransas County Multi-Jurisdictional Floodplain Management Plan - Action 3.1.f: A flood response plan that will identify outreach projects that can be utilized to implement a flood information program.	Other	50,000	3334	5.71	8.56	4790	5.5	8.29	4	1.59	3.98	0	0	0	548	7.07	3.53	103.35	4.29	571.30	4.32	32.98	637
031000518	3	Copper Canyon Master Drainage Plan/Study	Copper Canyon	Evaluate City and identify future projects.	Watershed planning	250,000	816	4.80	7.19	575	4.2	6.37	133	4.25	10.62	0	0	0	0	0	0	57.82	3.82	1465.95	4.90	32.91	638
031000378	3	10' X 4.5' Culvert at Glenville Drive	Richardson	Study to eliminate overtopping for Huffhines Creek at Glenville Drive crossing for 10-year storm event and above by constructing an additional barrel. Est const cost - $$827,000	Project planning	150,000	1049	4.96	7.44	6382	5.7	8.55	78	3.84	9.61	1	1.03	2.07	0	0	0	53.70	3.76	5.40	1.46	32.89	639
071000006	7	Crosby County Initial FEMA Mapping	Crosby County	Create FEMA Mapping in previously unmapped areas	Watershed planning	834,000	279	4.10	6.15	325	3.9	5.86	2	1.10	2.75	6	2.93	5.85	0	0	0	349.60	5.27	45936.11	7.01	32.89	640
071000091	7	Crosby County GIS Development	Crosby County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	279	4.10	6.15	325	3.9	5.86	2	1.10	2.75	6	2.93	5.85	0	0	0	349.60	5.27	45936.11	7.01	32.89	640
071000158	7	Crosby County DCM	Crosby County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	279	4.10	6.15	325	3.9	5.86	2	1.10	2.75	6	2.93	5.85	0	0	0	349.60	5.27	45936.11	7.01	32.89	640
031000501	3	Floodplain Mapping Updates of Timber Creek Tributary 16	Flower Mound	Floodplain mapping of Timber Creek Tributary 16 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	874	4.84	7.26	3364	5.3	7.97	85	3.91	9.77	0	0	0	0	0	0	71.01	3.99	260.14	3.84	32.82	643
101000166	10	Ave J Bridge Replacement	Marble Falls	Replace bridge that heavily floods and was damaged during 2018 flood event.	Project planning	100,000	405	4.34	6.51	2006	5.0	7.50	1	0.67	1.68	29	4.77	9.54	0	0	0	10.63	2.46	1984.24	5.08	32.77	644
091000102	9	Terry County DMP	Dawson County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	499	4.48	6.72	1118	4.6	6.97	0	0	0	6	2.93	5.85	0	0	0	633.68	5.75	89576.49	7.42	32.71	645
091000103	9	Terry County FEMA Mapping	Dawson County	Update existing FEMA Mapping & create FEMA mapping in previously unmapped areas	Watershed planning	1,011,000	499	4.48	6.72	1118	4.6	6.97	0	0	0	6	2.93	5.85	0	0	0	633.68	5.75	89576.49	7.42	32.71	645
091000104	9	Terry County GIS Development	Dawson County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	499	4.48	6.72	1118	4.6	6.97	0	0	0	6	2.93	5.85	0	0	0	633.68	5.75	89576.49	7.42	32.71	645

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
151000152	15	ML02 Esperanza	Mission	Upgrade and extend storm sewer. Channel Improvements along Esperanza Ditch. Crossing improvements and upsizing RCP from 24" to 48".	Project planning	689,207	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000153	15	ML03 Tulipan	Mission	7410 feet of storm sewer upgrade	Project planning	269,402	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000154	15	ML04 Basham	Mission	910 feet of storm sewer upgrade. 2589 feet of storm sewer extension along with channel improvements and conversion of a pond drain to a 12ac-ft Detention Basin	Project planning	135,920	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000155	15	ML05a Leandro	Mission	462 feet of storm sewer upgrades and an extension of 4381 of storm sewer. Buyout and Relocation program of 51 acres..	Project planning	198,769	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000156	15	ML05b Gabriel	Mission	3834 feet of storm sewer upgrades and an extension of 2647 feet. Buyout and Relocation program of 62 acres.	Project planning	236,688	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000157	15	ML05c Trosper	Mission	7151 feet of storm sewer upgrade and an extension of 3660 feet. Buyout and Relocation program of 27 acres.	Project planning	485,393	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000158	15	ML05d Holland B	Mission	2937 feet of storm sewer upgrade and an extension of storm sewer of 2491 feet.	Project planning	191,224	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000159	15	ML05e Mayberry C	Mission	17594 feet of storm sewer upgrade and an extension of storm sewer of 5096 feet.	Project planning	797,808	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
151000169	15	ML06g Mayberry A	Mission	1599 feet of storm sewer upgrade and an extension of storm sewer of 616 feet	Project planning	132,448	5151	5.99	8.99	14744	6.2	9.31	6	1.90	4.74	0	0	0	0	0	0	124.77	4.44	2424.69	5.21	32.68	648
111000005	11	Caldwell County Emergency Service District #3 River Crossing Improvements Study	Caldwell County Emergency Service District #3	Study solutions to upgrade river crossings throughout the district including but not limited to Scull Road Bridge.	Watershed planning	1,000,000	724	4.72	7.08	2021	5.0	7.51	1	0.67	1.68	13	3.83	7.65	0	0	0	23.30	3.09	5084.78	5.66	32.67	657
061000174	6	Carpenters Planing Study N110-00-00 Diversion to P103-00/P103-03	Harris County Flood Control District	Feasibility study needed to evaluate a designed interconnection to lower Greens Bayou.	Project planning	1,200,000	812	4.79	7.19	2731	5.2	7.78	24	2.95	7.36	2	1.69	3.39	2	1.46	0.73	18.83	2.92	96.27	3.23	32.60	658
061000464	6	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood)	Harris County	Further study to develop a BCA required to elevate project to FMP. The project is to reduce flooding in the Problem Area #5 identified by the Carpenters Bayou Watershed Planning Project Report, 2021.	Project planning	30,000	812	4.79	7.19	2731	5.2	7.78	24	2.95	7.36	2	1.69	3.39	2	1.46	0.73	18.83	2.92	96.27	3.23	32.60	658
061000506	6	Carpenters Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Carpenters Bayou watershed.	Watershed planning	32,227,000	812	4.79	7.19	2731	5.2	7.78	24	2.95	7.36	2	1.69	3.39	2	1.46	0.73	18.83	2.92	96.27	3.23	32.60	658
061000518	6	Carpenters Bayou Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Carpenters Bayou watershed.	Watershed planning	1,088,000	812	4.79	7.19	2731	5.2	7.78	24	2.95	7.36	2	1.69	3.39	2	1.46	0.73	18.83	2.92	96.27	3.23	32.60	658
021000058	2	Harrison County Property Acquisition	Harrison County	Acquisition and management strategies of land to preserve open space within Region 2 for flood mitigation and water quality in the floodplain.	Other	250,000	898	4.86	7.29	1254	4.7	7.08	6	1.90	4.74	5	2.72	5.43	0	0	0	96.56	4.23	255.00	3.82	32.59	662
021000015	2	Harrison County FIS	Harrison County	Update County maps to Zone AE	Watershed planning	2,162,000	898	4.86	7.29	1254	4.7	7.08	6	1.90	4.74	5	2.72	5.43	0	0	0	96.56	4.23	254.99	3.82	32.59	663
011000029	1	Deaf Smith County FIS	Deaf Smith County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	1,283,000	120	3.55	5.33	271	3.8	5.69	0	0	0	18	4.21	8.42	25	3.95	1.98	76.43	4.05	54135.30	7.11	32.57	664
061000187	6	Brays Bayou Restore Channel Conveyance Capacity Along D115-00-00	Harris County Flood Control District	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	Project planning	1,020,000	5574	6.04	9.06	22839	6.5	9.70	71	3.77	9.43	0	0	0	0	0	0	59.07	3.84	0.98	0.53	32.56	665
021000013	2	Upshur County FIS	Upshur County	Update County maps to Zone AE	Watershed planning	1,834,000	425	4.37	6.56	1920	5.0	7.46	10	2.28	5.70	3	2.14	4.27	0	0	0	90.77	4.18	611.69	4.36	32.54	666
021000031	2	Upshur County Drainage	Upshur County	Raise elevations and improve drainage for certain roads and streets within Region 2	Project planning	1,000,000	425	4.37	6.56	1920	5.0	7.46	10	2.28	5.70	3	2.14	4.27	0	0	0	90.77	4.18	611.69	4.36	32.54	666
031000293	3	Quil Miller Creek Watershed Study	Burleson	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Watershed planning	265,000	234	3.99	5.98	6235	5.7	8.53	2	1.10	2.75	19	4.27	8.54	0	0	0	6.33	2.05	1015.49	4.67	32.52	668
041000049	4	Newton County Flood and Drainage Study	Newton County	Feasibility study to reconstruct bridges and culverts in a major drainage basin flowing into the Sabine River in Newton County.	Project planning	600,000	260	4.05	6.08	249	3.7	5.62	17	2.68	6.71	5	2.72	5.43	5	2.33	1.17	18.73	2.92	891.63	4.59	32.51	669
041000060	4	Jasper County Flood Hazard Mapping	Jasper County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	700,000	945	4.89	7.34	1739	4.9	7.37	15	2.59	6.47	5	2.72	5.43	5	2.33	1.17	66.96	3.94	1.67	0.79	32.51	670
031000113	3	Main & Wilson Streets Drainage Study Update	Garland	Area 18	Project planning	50,000	348	4.24	6.37	61484	7.1	10.60	4	1.59	3.98	12	3.73	7.47	0	0	0	9.19	2.34	8.29	1.72	32.48	671
031000011	3	Grayson County FEMA Mapping	Grayson County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,228,000	436	4.39	6.58	14618	6.2	9.30	5	1.76	4.40	1	1.03	2.07	0	0	0	42.70	3.58	21311.84	6.54	32.47	672
031000276	3	Grayson County Dams Compliance Assessment	Grayson County	Determine owners of all high and significant hazard dams and obtain copies of all EAPs. Obtain available dam failure impact data necessary for determining most appropriate mitigation approach that would achieve compliance with the State's TCEQ regulations	Preparedness	1,000,000	436	4.39	6.58	14618	6.2	9.30	5	1.76	4.40	1	1.03	2.07	0	0	0	42.70	3.58	21311.84	6.54	32.47	672
091000069	9	Runnels County DMP	Runnels County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	164	3.76	5.63	179	3.5	5.32	1	0.67	1.68	18	4.21	8.42	0	0	0	124.69	4.44	39553.13	6.92	32.40	674
091000070	9	Runnels County FEMA Mapping	Runnels County	Create FEMA Mapping in previously unmapped areas	Watershed planning	1,047,000	164	3.76	5.63	179	3.5	5.32	1	0.67	1.68	18	4.21	8.42	0	0	0	124.69	4.44	39553.13	6.92	32.40	674
091000071	9	Runnels County GIS Development	Runnels County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	164	3.76	5.63	179	3.5	5.32	1	0.67	1.68	18	4.21	8.42	0	0	0	124.69	4.44	39553.13	6.92	32.40	674
051000004	5	Cherokee County Update Flood Hazard Mapping	Cherokee County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	4,800,000	672	4.67	7.00	987	4.6	6.86	1	0.67	1.68	10	3.52	7.04	10	3.03	1.51	49.29	3.69	919.82	4.61	32.40	677
051000026	5	Cherokee County Master Drainage Plan	Cherokee County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,600,000	672	4.67	7.00	987	4.6	6.86	1	0.67	1.68	10	3.52	7.04	10	3.03	1.51	49.29	3.69	919.82	4.61	32.40	677
011000030	1	Wheeler County FIS	Wheeler County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	892,000	191	3.85	5.78	210	3.6	5.46	4	1.59	3.98	4	2.46	4.92	4	2.12	1.06	65.06	3.92	70021.96	7.27	32.39	679
011000058	1	Wheeler County Drainage Master Plan	Wheeler County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	191	3.85	5.78	210	3.6	5.46	4	1.59	3.98	4	2.46	4.92	4	2.12	1.06	65.06	3.92	70021.96	7.27	32.39	679
061000013	6	City of Bellaire Local Drainage System Asset Management	Bellaire	Study to develop asset management plan / capital improvement plan to repair/replace local drainage infrastructure over time to ensure it is in good working order and meeting the level of service desired by the City.	Project planning	300,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681
061000014	6	City of Bellaire Regional Detention Facilities Development	Bellaire	Effort to identify and develop/design regional detention facilities to either provide flood risk reduction or to facilitate the construction of local or regional drainage improvement projects.	Project planning	1,000,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681
061000015	6	City of Bellaire Cypress Ditch Drainage Improvements	Bellaire	Perform engineering services to develop and advance a flood risk reduction project in the Cypress Ditch area, servicing the southern part of the City of Bellaire.	Project planning	1,000,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681
061000225	6	City of Bellaire Master Drainage Plan	Bellaire	Conduct planning study to produce a Master Drainage Plan for the City of Bellaire, identifying and developing specific flood-related capital improvements and implementation plans necessary to acheive a desired level of service / flood protection.	Watershed planning	1,500,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000485	6	City of Bellaire Newcastle/Kilmarnock Area Drainage Improvements	Bellaire	Perform engineering services to develop and advance a flood risk reduction project in the Newcastle/Kilmarnock area, servicing the eastern part of the City of Bellaire.	Project planning	1,000,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681
061000486	6	City of Bellaire Loop 610 Area Drainage Improvements	Bellaire	Perform engineering services to develop and advance a flood risk reduction project in the Newcastle area, servicing the east-central part of the City of Bellaire.	Project planning	1,000,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681
061000487	6	City of Bellaire South Rice Area Drainage Improvements	Bellaire	Perform engineering services to develop and advance a flood risk reduction project in the South Rice area, servicing the west-central part of the City of Bellaire.	Project planning	1,000,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681
061000488	6	City of Bellaire Chimney Rock Area Drainage Improvements	Bellaire	Perform preliminary engineering services to develop and advance a flood risk reduction project in the Chimney Rock area, servicing the western part of the City of Bellaire.	Project planning	1,000,000	5877	6.08	9.11	25741	6.5	9.81	69	3.75	9.37	0	0	0	0	0	0	70.92	3.99	0.16	0.10	32.38	681
061000280	6	City of Seabrook Master Drainage Plan	Seabrook	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	420,000	3567	5.75	8.63	10374	6.0	8.99	58	3.62	9.04	0	0	0	0	0	0	52.06	3.74	11.48	1.92	32.32	689
061000479	6	P518 Aldine West field	Houston	Project for design and construction of detention pond in conjuction with TxDot. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	3550	5.75	8.62	10517	6.0	9.00	35	3.23	8.08	1	1.03	2.07	1	0.89	0.44	29.30	3.28	1.68	0.79	32.29	690
011000026	1	Collingsworth County FIS	Collingsworth County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	909,000	105	3.47	5.20	107	3.2	4.85	5	1.76	4.40	5	2.72	5.43	5	2.33	1.17	65.50	3.92	75245.85	7.31	32.28	691
071000024	7	Nolan County Update FEMA Mapping	Nolan County	Update existing FEMA mapping	Watershed planning	920,000	264	4.06	6.10	412	4.0	6.07	1	0.67	1.68	21	4.39	8.78	0	0	0	40.97	3.55	9929.29	6.07	32.24	692
071000068	7	Nolan County DMP	Nolan County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	264	4.06	6.10	412	4.0	6.07	1	0.67	1.68	21	4.39	8.78	0	0	0	40.97	3.55	9929.29	6.07	32.24	692
071000106	7	Nolan County GIS Development	Nolan County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	264	4.06	6.10	412	4.0	6.07	1	0.67	1.68	21	4.39	8.78	0	0	0	40.97	3.55	9929.29	6.07	32.24	692
071000181	7	Nolan County Buyout Program	Nolan County	Acquire and demolish repetitive loss properties.	Project planning	1,000,000	264	4.06	6.10	412	4.0	6.07	1	0.67	1.68	21	4.39	8.78	0	0	0	40.97	3.55	9929.29	6.07	32.24	692
071000182	7	Nolan County DCM	Nolan County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	264	4.06	6.10	412	4.0	6.07	1	0.67	1.68	21	4.39	8.78	0	0	0	40.97	3.55	9929.29	6.07	32.24	692
071000183	7	Nolan County Floodplain Open Space Program	Nolan County	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	1,000,000	264	4.06	6.10	412	4.0	6.07	1	0.67	1.68	21	4.39	8.78	0	0	0	40.97	3.55	9929.29	6.07	32.24	692
031000077	3	City of Keller DMP	Keller	Evaluate City and identify future projects.	Watershed planning	500,000	166	3.76	5.65	38574	6.8	10.18	4	1.59	3.98	10	3.52	7.04	0	0	0	3.98	1.68	199.92	3.68	32.20	698
061000001	6	Durant Street Storm Sewer and Pavement Improvements - Phase 1	Alvin	Further study of Durant Street Phase 1 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.	Project planning	110,000	3521	5.74	8.62	15260	6.2	9.34	16	2.64	6.59	0	0	0	0	0	0	56.89	3.81	258.74	3.83	32.19	699
061000002	6	Durant Street Storm Sewer and Pavement Improvements - Phase 2	Alvin	Further study of Durant Street Phase 2 to reduce flood risk with upgrades to storm sewer system, concrete curb, gutter, pavement, and sidewalk.	Project planning	90,000	3521	5.74	8.62	15260	6.2	9.34	16	2.64	6.59	0	0	0	0	0	0	56.89	3.81	258.74	3.83	32.19	699
101000210	10	City of El Campo Drainage Master Plan Update	El Campo	Watershed Study, stormsewer study, and MDUS feasibility study	Watershed planning	750,000	1820	5.32	7.97	4600	5.5	8.25	1	0.67	1.68	4	2.46	4.92	0	0	0	45.23	3.62	5707.29	5.73	32.18	701
061000037	6	City of Alvin Flood Gauges	Alvin	Study to identify areas where best to purchase additional flood gauges to be placed at bayous and key high water areas within City of Alvin.	Project planning	50,000	3445	5.73	8.59	15192	6.2	9.33	16	2.64	6.59	0	0	0	0	0	0	56.81	3.81	262.30	3.84	32.17	702
061000039	6	City of Alvin Master Drainage Plan	Alvin	Comprehensive review of current drainage, studies and recommendations for future projects and studies to create a Master Drainage Plan for the City of Alvin.	Watershed planning	100,000	3445	5.73	8.59	15192	6.2	9.33	16	2.64	6.59	0	0	0	0	0	0	56.81	3.81	262.30	3.84	32.17	702
061000040	6	City of Alvin Open Space Preservation	Alvin	Study for open space preservation within adjacent development, dedication of conservation easements or fee simple acquisition of land along Mustang Bayou.	Watershed planning	500,000	3445	5.73	8.59	15192	6.2	9.33	16	2.64	6.59	0	0	0	0	0	0	56.81	3.81	262.30	3.84	32.17	702
061000043	6	City of Alvin Detention Pond Construction - Mustang and Dickinson Bayou	Alvin	Further assessment and design of detention ponds needed along Mustang and Dickinson Bayous to reduce flood risk in the City of Alvin.	Project planning	200,000	3445	5.73	8.59	15192	6.2	9.33	16	2.64	6.59	0	0	0	0	0	0	56.81	3.81	262.30	3.84	32.17	702
061000067	6	City of Alvin Dickinson Bayou Watershed Study	Alvin	Study of Dickinson Bayou Watershed to determine drainage improvement alternatives.	Watershed planning	500,000	3445	5.73	8.59	15192	6.2	9.33	16	2.64	6.59	0	0	0	0	0	0	56.81	3.81	262.30	3.84	32.17	702
031000394	3	Arlington Johnson Creek - JC-9 Channel Rehabilitation from Cooper to Sanford	Arlington	Proposed channel rehabilitation at Cooper to Sandford for Stream JC-9.	Project planning	250,000	1282	5.09	7.63	7940	5.8	8.75	94	3.98	9.96	0	0	0	0	0	0	65.01	3.92	9.96	1.84	32.09	707
151000448	15	City of Weslaco - Holistic HUC Flood Protection Study	Weslaco	Develop flood risk maps for the City of Weslaco and develop CIP.	Watershed planning	1,500,000	6186	6.11	9.16	16168	6.3	9.39	3	1.38	3.46	0	0	0	0	0	0	133.74	4.50	4395.77	5.57	32.08	708
061000085	6	Cane Island Branch- Alt 2	Waller County	Further study and FMP development of proposed channel modifications to Cane Island Branch including Atlas 14 rainfall.	Project planning	3,270,000	650	4.65	6.97	1840	4.9	7.42	8	2.11	5.28	5	2.72	5.43	5	2.33	1.17	10.09	2.42	119.10	3.36	32.05	709
061000152	6	Cane Island Branch- Alt 1	Waller County	Further study of 2,800 ac-ft detention upstream of Pitts road.	Project planning	180,000	650	4.65	6.97	1840	4.9	7.42	8	2.11	5.28	5	2.72	5.43	5	2.33	1.17	10.09	2.42	119.10	3.36	32.05	709
101000092	10	Citywide Drainage Study	Victoria	Initiate study of storm water drainage system to assess impacts from flooding & flash flooding	Watershed planning	250,000	776	4.76	7.14	2432	5.1	7.68	3	1.38	3.46	9	3.40	6.79	0	0	0	0.10	0.08	37405.84	6.88	32.04	711
101000093	10	Various Streets - Upgrade Existing Roadway Crossings and Bridges	Victoria County	Increase dimensions of drainage culverts	Project planning	100,000	776	4.76	7.14	2432	5.1	7.68	3	1.38	3.46	9	3.40	6.79	0	0	0	0.10	0.08	37405.84	6.88	32.04	711
101000095	10	Identify and Buyout Repetitive Loss Properties	Victoria County	Implement a voluntary acquisition program for repetitive flood properties	Project planning	250,000	776	4.76	7.14	2432	5.1	7.68	3	1.38	3.46	9	3.40	6.79	0	0	0	0.10	0.08	37405.84	6.88	32.04	711
101000096	10	Harden County Buildings, Critical Infrastructure, and Government Buildings	Victoria County	Harden county buildings, critical infrastructure, and government buildings	Project planning	100,000	776	4.76	7.14	2432	5.1	7.68	3	1.38	3.46	9	3.40	6.79	0	0	0	0.10	0.08	37405.84	6.88	32.04	711
111000101	11	City of Cuero Drainage Improvements Study	Cuero	Study of solutions to improve drainage and stormwater system to reduce drainage and flooding issues.	Watershed planning	150,000	1991	5.37	8.06	3213	5.3	7.93	11	2.35	5.88	2	1.69	3.39	0	0	0	35.16	3.42	116.24	3.34	32.03	715
111000102	11	City of Cuero City Public Service Station Project Planning	Cuero	Project planning for proposed project to retrofit or floodproof City Public Service Station currently under renovation. Facility will serve as secondary location for community offices and critical utility service data and equipment	Project planning	100,000	1991	5.37	8.06	3213	5.3	7.93	11	2.35	5.88	2	1.69	3.39	0	0	0	35.16	3.42	116.24	3.34	32.03	715
111000104	11	Green DeWitt County Drainage District Channel Improvements Project Planning	Dewitt County Drainage District 1	Project planning for proposed project to install drop basket structure and reconstruct drainage channels to control flooding and erosion. Structure will assist in stabilizing banks and holding bottoms of channel on grade	Project planning	250,000	1991	5.37	8.06	3213	5.3	7.93	11	2.35	5.88	2	1.69	3.39	0	0	0	35.16	3.42	116.24	3.34	32.03	715
111000143	11	Green DeWitt County Drainage District Cuero Levee Study	Dewitt County Drainage District 1	Feasibility study of potential levee to protect City from river flooding with risk to life/safety and catastrophic damage, as has been experienced in Cuero on numerous occasions.	Project planning	250,000	1991	5.37	8.06	3213	5.3	7.93	11	2.35	5.88	2	1.69	3.39	0	0	0	35.16	3.42	116.24	3.34	32.03	715
031000095	3	Merritt Road, Sachse Road, and Willow Lake Improvements	Sachse	Hydrologic and Hydraulic Study of Stream 2E3, 2E4 and Willow Lake to determine causes of flooding along Merritt Rd and identify necessary drainage improvements.	Watershed planning	144,000	343	4.23	6.35	54818	7.0	10.49	1	0.67	1.68	7	3.10	6.21	0	0	0	11.93	2.55	1090.11	4.72	32.00	719
031000393	3	Arlington Johnson Creek Storm Drain Upgrades on JC-9	Arlington	Proposed storm drainage upgrades to system draining to JC-9.	Project planning	1,500,000	1270	5.08	7.62	7919	5.8	8.74	91	3.96	9.90	0	0	0	0	0	0	64.85	3.91	9.66	1.82	32.00	720
031000431	3	Coombs Creek Bridge @ Burlingdell	Dallas	Proposed bridge installment along Burlingdell for flood protection.	Project planning	150,000	1449	5.17	7.75	2990	5.2	7.86	63	3.68	9.20	1	1.03	2.07	0	0	0	69.76	3.97	3.10	1.14	31.99	721

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
011000200	1	Tule Dams	Tulia	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	105	3.47	5.20	86	3.1	4.65	0	0	0	16	4.07	8.14	16	3.50	1.75	249.90	5.00	65273.46	7.23	31.97	722
151000433	15	City of Pharr - Pharr Drain Ditch Expansion	Pharr	Expand drain ditches throughout the City to increase outfall to the HCDDNo. 1 System	Project planning	1,393,808	4867	5.95	8.93	14560	6.2	9.30	5	1.76	4.40	0	0	0	0	0	0	123.74	4.43	1386.84	4.86	31.92	723
061000179	6	Buffalo Bayou Watershed Study	Harris County Flood Control District	Watershed wide study using latest data, including MAAPnext models and Atlas 14 rainfall. Study to identify flooding issues within watershed, identify projects to reduce flooding, and provide cost estimates and benefit and cost metrics for each project.	Watershed planning	500,000	1998	5.38	8.06	36738	6.8	10.13	34	3.21	8.03	0	0	0	0	0	0	38.72	3.50	17.90	2.20	31.92	724
061000505	6	Buffalo Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Buffalo Bayou watershed.	Watershed planning	5,644,000	1998	5.38	8.06	36738	6.8	10.13	34	3.21	8.03	0	0	0	0	0	0	38.72	3.50	17.90	2.20	31.92	724
061000529	6	Buffalo Bayou Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Buffalo Bayou watershed.	Watershed planning	195,000	1998	5.38	8.06	36738	6.8	10.13	34	3.21	8.03	0	0	0	0	0	0	38.72	3.50	17.90	2.20	31.92	724
041000058	4	Gregg County Flood Hazard Mapping	Gregg County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	2,200,000	2182	5.43	8.15	11464	6.1	9.08	26	3.01	7.52	1	1.03	2.07	1	0.89	0.44	85.94	4.14	0.75	0.43	31.83	727
031000430	3	Coombs Creek Bridge @ Ivandell	Dallas	Proposed bridge installment along Ivandell for flood protection.	Project planning	215,000	1365	5.13	7.69	2836	5.2	7.82	61	3.66	9.14	1	1.03	2.07	0	0	0	67.38	3.95	3.10	1.14	31.80	728
031000440	3	Knights Branch Upper Relief System - Inwood/Mockingbird	Dallas	Major relief system of enclosed portion of upper Knights Branch watershed from Lowe's culvert extension (downstream of Inwood/Lemon) north on Inwood to about Wateka, using 2-12X10 box culverts, with smaller systems as necessary to provide full relief.	Project planning	250,000	1875	5.34	8.00	4844	5.5	8.30	135	4.26	10.65	0	0	0	0	0	0	127.82	4.46	0.51	0.30	31.71	729
031000375	3	Miami Drive Drainage Improvements	Garland	Stream bank erosion evaluation and investigation of other repair or restoration options for Stream 2C-1 parallel to Miami Drive	Project planning	250,000	1310	5.10	7.65	4150	5.4	8.16	84	3.90	9.75	0	0	0	0	0	0	65.49	3.92	18.78	2.22	31.71	730
031000066	3	City of North Richland Hills DMP	North Richland Hills	Evaluate City and identify future projects.	Watershed planning	500,000	314	4.18	6.27	54447	7.0	10.49	2	1.10	2.75	10	3.52	7.04	0	0	0	9.41	2.36	44.36	2.75	31.65	731
151000419	15	Interstate 69C and McCullough St.	San Benito	Study to identify flood mitigation measures	Project planning	80,000	2322	5.47	8.21	6597	5.7	8.58	3	1.38	3.46	0	0	0	50	4.65	2.33	68.16	3.95	2008.68	5.09	31.62	732
051000009	5	Jasper County Update Flood Hazard Mapping	Jasper County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,210,721	756	4.75	7.12	1388	4.8	7.17	7	2.01	5.03	3	2.14	4.27	3	1.84	0.92	45.70	3.63	103.86	3.27	31.41	733
051000030	5	Jasper County Master Drainage Plan	Jasper County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,200,000	756	4.75	7.12	1388	4.8	7.17	7	2.01	5.03	3	2.14	4.27	3	1.84	0.92	45.70	3.63	103.86	3.27	31.41	733
031000395	3	Arlington Johnson Creek - JC-9 at Collins Street Culvert Improvements	Arlington	Proposed culvert improvements at Collins Street for stream JC-9	Project planning	250,000	1255	5.07	7.61	7767	5.8	8.73	86	3.92	9.79	0	0	0	0	0	0	54.48	3.77	5.26	1.45	31.36	735
031000353	3	City of Seagoville DMP	Seagoville	Evaluate city and identify future projects.	Project planning	250,000	180	3.82	5.72	12707	6.1	9.17	2	1.10	2.75	7	3.10	6.21	0	0	0	10.39	2.44	1728.29	5.00	31.29	736
101000105	10	Update and Maintain Emergency Management Plan	Blanco County	Update and Maintain Emergency Management Plan	Preparedness	25,000	294	4.13	6.20	592	4.3	6.40	0	0	0	35	4.99	9.98	0	0	0	5.93	2.00	25477.81	6.65	31.22	737
101000106	10	Various Locations - Upgrade Low Water Crossings	Blanco County	Various Locations - Upgrade Low Water Crossings	Project planning	100,000	294	4.13	6.20	592	4.3	6.40	0	0	0	35	4.99	9.98	0	0	0	5.93	2.00	25477.81	6.65	31.22	737
041000082	4	Shelby County Drainage Master Plan	Shelby County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	150,000	575	4.57	6.85	170	3.5	5.27	0	0	0	3	2.14	4.27	3	1.84	0.92	8973.27	7.88	8973.27	6.01	31.20	739
061000244	6	City of Hitchcock Master Drainage Plan	Hitchcock	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	720,000	2652	5.56	8.34	5294	5.6	8.38	11	2.35	5.88	0	0	0	0	0	0	72.52	4.00	884.18	4.59	31.20	740
031000018	3	Jack County FEMA Mapping	Jack County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,122,000	268	4.07	6.11	6995	5.8	8.63	0	0	0	6	2.93	5.85	0	0	0	54.58	3.78	33805.24	6.82	31.19	741
031000083	3	Jack County DMP	Jack County	Evaluate County and identify future projects.	Watershed planning	500,000	268	4.07	6.11	6995	5.8	8.63	0	0	0	6	2.93	5.85	0	0	0	54.58	3.78	33805.24	6.82	31.19	741
031000462	3	Jack SWCD Watershed-wide Dam Evaluations	Jack Soil and Water SWCD	Jack watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	503,000	268	4.07	6.11	6995	5.8	8.63	0	0	0	6	2.93	5.85	0	0	0	54.54	3.78	33795.51	6.82	31.19	743
101000204	10	Shoal Creek - Nueces St Flood Risk Reduction Project Project Planning	Austin	Project planning for project which includes the construction of approximately 15,980 linear feet of upgraded storm drain pipe and numerous new storm drain inlets throughout the area. Develop technical data required for FMP.	Project planning	100,000	653	4.65	6.98	19198	6.4	9.55	1	0.67	1.68	12	3.73	7.47	0	0	0	13.96	2.68	51.67	2.85	31.19	744
031000143	3	Shady Shores Rd Elevation Study	Shady Shores	Evaluate alternatives to elevate Shady Shores Rd to reduce future loss due to flooding	Project planning	250,000	206	3.90	5.86	22028	6.4	9.67	5	1.76	4.40	4	2.46	4.92	0	0	0	12.44	2.59	218.44	3.73	31.16	745
031000150	3	Jack County WWTP and Lift Station Flood-Proofing.	Jack County	Evaluate alternatives to flood-proof sewage treatment plans in flood hazard / low-lying areas. Raise electrical components of sewage lift stations above the BFE.	Project planning	250,000	265	4.07	6.10	6995	5.8	8.63	0	0	0	6	2.93	5.85	0	0	0	54.58	3.78	32105.58	6.79	31.15	746
031000058	3	City of Dayton DMP	Dayton	Evaluate City and identify future projects.	Watershed planning	250,000	727	4.72	7.08	14163	6.2	9.27	18	2.73	6.82	0	0	0	0	0	0	17.87	2.88	1731.98	5.00	31.05	747
111000009	11	Center Point ISD Drainage Improvements Study	Center Point ISD	Study of solutions to construct new storm drainage infrastructure to reduce the potential impacts of future flood events.	Watershed planning	100,000	538	4.53	6.79	846	4.5	6.72	0	0	0	19	4.27	8.54	0	0	0	26.49	3.19	6111.45	5.77	31.02	748
141000024	14	Develop Supplemental Watershed Plans for flood control dams protecting Sonora	Sonora city, Sutton County	Assess & evaluate rehabilitation improvements for 7 NRCS dams identified by TCEQ as "Hydraulically Inadequate". Define upgrades of dams in Supplemental Watershed Plans for Dry Devils & Lowry Dams 3, 4, 5, 7, 8, 10, & 12.	Project planning	1,456,000	682	4.68	7.02	1106	4.6	6.96	2	1.10	2.75	20	4.33	8.66	97	5.32	2.66	14.98	2.74	0.36	0.22	31.01	749
011000014	1	Oldham County FIS	Oldham County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	1,447,000	25	2.54	3.80	42	2.7	4.01	1	0.67	1.68	30	4.81	9.61	30	4.13	2.07	9.39	2.36	95133.55	7.46	30.99	750
061000207	6	San Jacinto River - G103-46-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for G103-46-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	Project planning	200,000	1711	5.28	7.91	6868	5.7	8.62	29	3.09	7.72	0	0	0	0	0	0	41.85	3.56	72.23	3.05	30.87	751
061000209	6	San Jacinto River - G103-36-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for G103-36-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	750,000	1711	5.28	7.91	6868	5.7	8.62	29	3.09	7.72	0	0	0	0	0	0	41.85	3.56	72.23	3.05	30.87	751
151000450	15	City of Mission - Holistic HUC Flood Protection Study	Mission	Develop flood risk maps for the City of Mission and develop CIP.	Watershed planning	1,500,000	3691	5.77	8.66	10840	6.0	9.03	5	1.76	4.40	0	0	0	0	0	0	77.98	4.06	937.84	4.62	30.78	753
081000926	8	Channel Stabilization	Georgetown	Stabilize channel at inner loop culverts.	Project planning	556,000	366	4.28	6.41	795	4.4	6.67	0	0	0	9	3.40	6.79	102	5.37	2.68	19.27	2.94	2627.06	5.26	30.75	754
041000032	4	City of Greenville Critical Facilities Flood Protection Study	Greenville	Feasibility study to elevated or flood proofing of critical structures and/or the construction of barriers around critical structures	Project planning	300,000	429	4.38	6.57	5509	5.6	8.42	28	3.06	7.66	0	0	0	0	0	0	26.42	3.19	1338.85	4.84	30.68	755
101000209	10	Jackson County Phase 2 DMP	Jackson County	Watershed Study conducted in multiple phases depending on local match available	Watershed planning	4,000,000	717	4.71	7.07	774	4.4	6.64	1	0.67	1.68	3	2.14	4.27	0	0	0	58.84	3.84	58758.91	7.16	30.65	756

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
081000954	8	A12	Upper Brushy Creek WCID	New Broade Street off-channel detention.	Project planning	257,000	388	4.31	6.47	1064	4.6	6.93	0	0	0	20	4.33	8.66	81	5.14	2.57	8.46	2.28	215.85	3.72	30.63	757
151000443	15	City of Donna - Holistic HUC Flood Protection Study	Donna	Develop flood risk maps for the City of Donna and develop CIP.	Watershed planning	1,500,000	2652	5.56	8.34	9661	5.9	8.92	6	1.90	4.74	0	0	0	0	0	0	53.59	3.76	1391.72	4.87	30.63	758
061000256	6	City of La Porte Master Drainage Plan	La Porte	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	410,000	2532	5.53	8.29	6121	5.7	8.51	32	3.16	7.91	0	0	0	0	0	0	54.14	3.77	15.27	2.10	30.59	759
141000014	14	Develop a Colonia-wide Drainage System at Fort Hancock	Hudspeth County	Conduct surveys and drainage study to define flood areas, size 5th St crossing structures, develop H&H models, and propose FMPs. Address flooding at Hwy 20, Mustang Rd, and complete Supplemental Watershed Plans for Camp Rice Dam 1, Alamo Dam 3.	Project planning	795,000	57	3.07	4.61	55754	7.0	10.51	0	0	0	9	3.40	6.79	9	2.92	1.46	5.02	1.86	2482.87	5.22	30.45	760
061000484	6	D-133 Sharpstown	Houston	This project provides for the right-of-way acquisition, design and construction of detention basins in the Sharpstown Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	2373	5.49	8.23	20445	6.4	9.60	65	3.70	9.26	0	0	0	0	0	0	31.18	3.33	0.01	0.01	30.42	761
061000338	6	Willow Creek Watershed Plan - Immediate: Selective Clearing BNRR to Mouth	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. Selective clearing from BNRR to mouth to increase riverine storm water conveyance, maintain tree canopy & veg. diversity, minimize impact on riparian & uplands habitats.	Project planning	30,000	860	4.83	7.24	1435	4.8	7.20	6	1.90	4.74	5	2.72	5.43	5	2.33	1.17	11.35	2.51	15.99	2.13	30.42	762
081000944	8	Lake Creek Tributary 2	Round Rock	Develop H&H models for watershed and evaluate methods to provide flood protection to the area.	Watershed planning	166,000	224	3.96	5.94	1458	4.8	7.21	1	0.67	1.68	13	3.83	7.65	45	4.54	2.27	7.22	2.15	151.15	3.50	30.41	763
081000955	8	Dam 101	Upper Brushy Creek WCID	Construction of dam to provide flood storage for Lake Creek.	Project planning	1,262,000	224	3.96	5.94	1458	4.8	7.21	1	0.67	1.68	13	3.83	7.65	44	4.52	2.26	7.21	2.15	151.15	3.50	30.40	764
081000956	8	Dam 102	Upper Brushy Creek WCID	Study to design dam to provide flood storage for Lake Creek.	Project planning	1,000,000	224	3.96	5.94	1458	4.8	7.21	1	0.67	1.68	13	3.83	7.65	44	4.52	2.26	7.21	2.15	151.15	3.50	30.40	764
031000070	3	City of Athens DMP	Athens	Evaluate City and identify future projects.	Watershed planning	250,000	125	3.58	5.37	18129	6.3	9.49	4	1.59	3.98	6	2.93	5.85	0	0	0	7.15	2.14	138.98	3.45	30.29	766
031000061	3	City of Rockwall DMP	Rockwall	Evaluate City and identify future projects.	Watershed planning	500,000	209	3.91	5.87	50727	6.9	10.42	1	0.67	1.68	5	2.72	5.43	0	0	0	10.47	2.45	693.15	4.44	30.29	767
111000043	11	City of New Braunfels - Box Culvert Installation to Reduce Flood Risk on Blieders Creek, Comal River and Landa Park Project Planning	New Braunfels	Project planning for proposed drainage improvements project to reduce flooding in the Blieders Creek and German Creek watersheds by conveying flows to the Guadalupe River. The project is also intended to relieve flooding in the Landa Park area.	Project planning	878,000	439	4.39	6.59	1886	5.0	7.45	2	1.10	2.75	11	3.63	7.26	0	0	0	7.18	2.15	384.62	4.08	30.27	768
031000491	3	Floodplain Mapping Updates of Stream WB-1	Flower Mound	Floodplain mapping of Stream WB-1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	63,000	436	4.39	6.58	376	4.0	5.99	87	3.93	9.81	0	0	0	0	0	0	26.11	3.18	1048.83	4.69	30.26	769
031000359	3	Arlington California Lane Drainage Improvements	Arlington	Study to determine mitigation options in order to implement California Lane Drainage Improvement alternatives from March 2020 report. Alternative est const cost = $11,722,000	Project planning	250,000	1669	5.26	7.89	3253	5.3	7.94	121	4.18	10.44	0	0	0	0	0	0	59.83	3.85	0.22	0.14	30.26	770
041000048	4	City of Fate Culvert Improvement Study	Fate	Culverts improvements to meet 100-YR fully developed conditions	Project planning	100,000	295	4.14	6.20	694	4.4	6.54	0	0	0	12	3.73	7.47	12	3.21	1.61	18.47	2.90	4103.86	5.53	30.25	771
031000073	3	City of Waxahachie DMP (Phase 2 Continuation)	Waxahachie	Evaluate City and identify future projects. Continue efforts of current DMP Phase 2 efforts.	Watershed planning	752,000	490	4.47	6.70	45971	6.9	10.33	6	1.90	4.74	0	0	0	0	0	0	31.53	3.33	2152.15	5.13	30.24	772
091000137	9	Midland Industrial Channel	Midland	Channel improvements are planned for the Industrial Channel beginning at the channel's confluence with Midland Draw just south of U.S. Highway 80 (Business 20) at Station 0+00 and ending at a point just downstream of Lamesa Road at Station 87+56. Maintena	Project planning	122,000	5984	6.09	9.13	8713	5.9	8.83	9	2.20	5.50	0	0	0	0	0	0	37.84	3.48	99.80	3.25	30.20	773
031000122	3	Hackberry Gully and Cotton Bayou Shelving Study	Chambers County	Evaluate shelving the entire length of Hackberry Gully and Cotton Bayou from South of I-10 to Cotton Lake; thereby increasing their flow capacity.	Project planning	1,250,000	1037	4.95	7.43	11522	6.1	9.08	12	2.42	6.05	0	0	0	0	0	0	14.45	2.71	1544.70	4.93	30.20	774
051000005	5	Galveston County Update Flood Hazard Mapping	Galveston County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	68,502	4937	5.96	8.94	1820	4.9	7.41	8	2.11	5.28	0	0	0	0	0	0	142.59	4.55	330.21	3.98	30.17	775
111000058	11	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	San Marcos	Project planning to replace low water crossing at River Road and Railroad Trestle/Blanco River	Project planning	150,000	758	4.75	7.12	5226	5.6	8.37	2	1.10	2.75	4	2.46	4.92	0	0	0	17.90	2.88	420.02	4.13	30.17	776
111000060	11	City of San Marcos - Extension of River Ridge Parkway West Project Planning	San Marcos	Project planning for proposed project identified through the San Marcos Transportation Plan, to increase the ability to divert traffic during flooding events	Project planning	298,000	758	4.75	7.12	5226	5.6	8.37	2	1.10	2.75	4	2.46	4.92	0	0	0	17.90	2.88	420.02	4.13	30.17	776
111000080	11	City of Wimberley Drainage Master Plan	Wimberley	Creation of drainage master plan for City of Wimberley to mitigate the flood hazard by defining priorities, policies, and strategies to address and remedy the drainage needs and challenges in Wimberley.	Watershed planning	150,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000081	11	City of Wimberley FM 1492 at Blanco River Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at FM 1492 at Blanco River	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000082	11	City of Wimberley Hidden Valley at Blanco River Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Hidden Valley at Blanco River	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000083	11	City of Wimberley Little Arkansas at Blanco River Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Little Arkansas at Blanco River	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000084	11	City of Wimberley Valley Drive at Pierce Creek Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Valley Drive at Pierce Creek	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000085	11	City of Wimberley Flite Acres Road Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Flite Acres Road	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000086	11	City of Wimberley FM 1492 at Pierce Creek Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at FM 1492 at Pierce Creek	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000087	11	City of Wimberley Wilson Creek at River Road Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Wilson Creek at River Road	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000088	11	City of Wimberley Green Acres Dr. at Fire Station Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Green Acres Dr. at Fire Station	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000089	11	City of Wimberley Leveritt's Loop Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Leveritt's Loop	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000090	11	City of Wimberley Spoke Hollow Dr. at Spoke Pile Creek Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Spoke Hollow Dr. at Spoke Pile Creek	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000091	11	City of Wimberley River Road at Western City Limit Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at River Road at Western City Limit	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
111000092	11	City of Wimberley Paradise Hills Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to replace low water crossing at Paradise Hills	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000093	11	City of Wimberley River Road Reconstruction Project Planning	Wimberley	Project planning for proposed project to reconstruct roadway along Blanco River	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000094	11	City of Wimberley Little Ranches at Panther Creek Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to reconstruct low water crossing and roadway at Little Ranches at Panther Creek	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
111000095	11	City of Wimberley Hoots Holler Low Water Crossing Project Planning	Wimberley	Project planning for proposed project to reconstruct low water crossing and roadway at Hoots Holler	Project planning	100,000	771	4.76	7.14	1553	4.8	7.27	0	0	0	19	4.27	8.54	0	0	0	13.29	2.64	859.19	4.57	30.16	778
041000003	4	Smith County Flood Hazard Mapping	Smith County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	4,275,000	1303	5.10	7.65	1990	5.0	7.50	7	2.01	5.03	0	0	0	0	0	0	61.20	3.87	10558.55	6.11	30.15	794
041000004	4	Smith County Drainage Master Plan	Smith County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,900,000	1303	5.10	7.65	1990	5.0	7.50	7	2.01	5.03	0	0	0	0	0	0	61.20	3.87	10558.55	6.11	30.15	794
031000062	3	City of Everman DMP	Everman	Evaluate City and identify future projects.	Watershed planning	250,000	272	4.08	6.13	5401	5.6	8.40	4	1.59	3.98	8	3.26	6.52	0	0	0	5.69	1.96	86.03	3.16	30.15	796
041000008	4	Sabine County Flood Hazard Mapping	Sabine County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,100,000	1611	5.24	7.86	762	4.4	6.63	0	0	0	6	2.93	5.85	6	2.52	1.26	32.80	3.37	2311.07	5.18	30.13	797
041000009	4	Sabine County Drainage Master Plan	Sabine County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	460,000	1611	5.24	7.86	762	4.4	6.63	0	0	0	6	2.93	5.85	6	2.52	1.26	32.80	3.37	2311.07	5.18	30.13	797
061000089	6	Update City of Friendswood Storm Surge Maps to Reflect the NWS Predictions	Friendswood	Study to update city storm surge maps based upon the NWS predicted storm surge and projected track for landfall. The new maps may more accurately display water depth in areas within the city.	Watershed planning	140,000	1680	5.26	7.90	4640	5.5	8.26	1	0.67	1.68	5	2.72	5.43	5	2.33	1.17	37.73	3.48	18.38	2.21	30.12	799
061000142	6	Shadowbend Drainage Improvements Phase 2	Friendswood	Further study of component of 1993 master Drainage Plan Phase 1 to include Atlas 14 rainfall.	Project planning	950,000	1680	5.26	7.90	4640	5.5	8.26	1	0.67	1.68	5	2.72	5.43	5	2.33	1.17	37.73	3.48	18.38	2.21	30.12	799
061000237	6	City of Friendswood Master Drainage Plan	Friendswood	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	750,000	1680	5.26	7.90	4640	5.5	8.26	1	0.67	1.68	5	2.72	5.43	5	2.33	1.17	37.73	3.48	18.38	2.21	30.12	799
021000066	2	Pig Branch Watershed Culvert Study Update	City of Bonham	Study to provide the city with updated drainage information to alleviate existing and potential flood damages for various crossings.	Watershed planning	250,000	128	3.59	5.39	2104	5.0	7.55	4	1.59	3.98	14	3.91	7.83	0	0	0	4.80	1.83	145.86	3.48	30.06	802
061000455	6	Valley - Stewarts Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	374	4.29	6.44	1606	4.9	7.30	6	1.90	4.74	7	3.10	6.21	7	2.67	1.33	10.32	2.44	6.73	1.60	30.06	803
061000456	6	Hunnington - Stewarts Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	374	4.29	6.44	1606	4.9	7.30	6	1.90	4.74	7	3.10	6.21	7	2.67	1.33	10.32	2.44	6.73	1.60	30.06	803
061000457	6	Avenue M - Stewarts Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	374	4.29	6.44	1606	4.9	7.30	6	1.90	4.74	7	3.10	6.21	7	2.67	1.33	10.32	2.44	6.73	1.60	30.06	803
061000458	6	South 3rd - Stewarts Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	374	4.29	6.44	1606	4.9	7.30	6	1.90	4.74	7	3.10	6.21	7	2.67	1.33	10.32	2.44	6.73	1.60	30.06	803
061000253	6	City of Katy Master Drainage Plan	Katy	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	360,000	545	4.53	6.80	1445	4.8	7.21	8	2.11	5.28	4	2.46	4.92	4	2.12	1.06	10.03	2.41	21.66	2.31	29.99	807
091000144	9	South Concho Dam	San Angelo	Perform a watershed-wide evaluation of the dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	49,500	2071	5.40	8.10	1872	5.0	7.44	0	0	0	2	1.69	3.39	2	1.46	0.73	121.61	4.42	7608.98	5.91	29.99	808
061000168	6	San Jacinto Watershed and Tributary Barrier and Flood Mitigation - East County Project	Montgomery County	Planning, H&H studies, design, environmental review, and barrier removal for the 98.6 miles of the San Jacinto Watershed and Tributary Barrier and Flood Mitigation-East County project area.	Watershed planning	1,160,000	3496	5.74	8.61	3786	5.4	8.08	3	1.38	3.46	1	1.03	2.07	1	0.89	0.44	101.80	4.28	70.64	3.04	29.97	809
101000098	10	Tres Palacios, Blue Creek, East Mustang Creek	El Campo	Construct regional detention/retention ponds	Watershed planning	150,000	1589	5.23	7.84	4199	5.4	8.17	1	0.67	1.68	3	2.14	4.27	0	0	0	34.72	3.41	873.98	4.58	29.95	810
101000099	10	Use Digital Maps of All Hazards and Educate Residents	El Campo	Use GIS mapping to overlay peoperties with known hazards; notifiy residents	Preparedness	100,000	1589	5.23	7.84	4199	5.4	8.17	1	0.67	1.68	3	2.14	4.27	0	0	0	34.72	3.41	873.98	4.58	29.95	810
061000496	6	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	Liberty County Water Control District 1	Request to study converting Enderli Reservoir into a detention pond	Project planning	4,000,000	769	4.76	7.14	2690	5.2	7.77	22	2.88	7.20	0	0	0	0	0	0	20.84	3.00	1344.55	4.84	29.95	812
061000495	6	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	Liberty County Water Control District 1	Study to create detention pond & Ditch system for Buddy Grass and RR Ditches	Project planning	5,000,000	763	4.75	7.13	2677	5.2	7.76	22	2.88	7.20	0	0	0	0	0	0	20.85	3.00	1344.45	4.84	29.94	813
061000498	6	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	Liberty County Water Control District 1	Study to create detention pond at Gier Road Ditch & Cedar Bayou Intersection	Project planning	3,500,000	763	4.75	7.13	2677	5.2	7.76	22	2.88	7.20	0	0	0	0	0	0	20.79	3.00	1343.65	4.84	29.94	814
111000036	11	City of Lockhart USACE Study	Lockhart	Undertake a comprehensive study of flood risk and reduction alternatives with USACE, covering all incorporated and unincorporated areas of the city that currently have limited studies with no determined base flood elevations as well as unmapped areas.	Watershed planning	360,000	90	3.37	5.05	341	3.9	5.90	5	1.76	4.40	8	3.26	6.52	0	0	0	11.39	2.52	3914.97	5.50	29.89	815
011000115	1	Farmers Creek Watershed Authority Dam Evaluation	Farmers Creek Watershed Authority	Investigate survey responses of deficient or non-functioning flood protection dams	Other	517,000	197	3.87	5.81	303	3.9	5.79	0	0	0	14	3.91	7.83	34	4.26	2.13	8.37	2.27	9501.72	6.04	29.88	816
031000388	3	Arlington Cottonwood Creek at Park Row Buyout	Arlington	Property acquisition at Park Row. There are no channel improvements planned.	Project planning	88,000	814	4.79	7.19	2841	5.2	7.82	82	3.88	9.70	0	0	0	0	0	0	40.94	3.54	6.87	1.61	29.87	817
101000184	10	City of Wharton City-wide Flood Warning Systems	Wharton	Implement warning systems	Preparedness	250,000	1901	5.34	8.02	6429	5.7	8.56	6	1.90	4.74	0	0	0	0	0	0	57.10	3.81	1117.72	4.73	29.86	818
101000185	10	City of Wharton City-wide Drainage Master Plan	Wharton	Update/implement Drainage Master Plan	Watershed planning	250,000	1901	5.34	8.02	6429	5.7	8.56	6	1.90	4.74	0	0	0	0	0	0	57.10	3.81	1117.72	4.73	29.86	818
081000943	8	Lake Creek Structural Elevation	Round Rock	Elevate or floodproof structures currently in high risk areas. Use H&H modeling to prioritize properties.	Project planning	510,000	234	3.99	5.98	698	4.4	6.55	1	0.67	1.68	11	3.63	7.26	57	4.78	2.39	5.03	1.86	414.20	4.12	29.84	820
011000205	1	Southern Beaver Dams	Electra	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	17	2.29	3.43	15	2.1	3.08	1	0.67	1.68	26	4.64	9.28	26	3.99	2.00	24.96	3.15	66561.31	7.24	29.84	821
111000001	11	Blanco County Low Water Crossing Improvements Study	Blanco County	Study of solutions to upgrade and/or raise low water crossing in the county. The low water crossings most frequently and most severely flooded will be assessed for elevation and improvement (e.g., curbed and/or pedestrian walkways) roadways.	Watershed planning	250,000	177	3.81	5.71	272	3.8	5.70	0	0	0	33	4.92	9.84	0	0	0	16.46	2.81	5740.23	5.74	29.79	822
011000031	1	Sherman County FIS	Sherman County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	838,000	21	2.42	3.64	26	2.4	3.57	3	1.38	3.46	9	3.40	6.79	10	3.03	1.51	56.69	3.81	44312.84	6.99	29.77	823
021000009	2	Franklin County FIS	Franklin County	Develop FIS for the County	Watershed planning	666,000	455	4.42	6.63	2160	5.0	7.57	1	0.67	1.68	5	2.72	5.43	0	0	0	38.62	3.50	1573.29	4.94	29.74	824

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000121	12	Wilson County LWC Study	Wilson County	Study to evaluate the LWC in Wilson County and recommend alternatives both short term and long term alternatives. Some short term alternatives could include Low Water Signage, Turn Around Don't Drown, automatic gates. 195 LWC in Wilson County.	Watershed planning	300,000	1469	5.18	7.77	1849	5.0	7.43	0	0	0	0	0	0	1646	8.18	4.09	89.06	4.17	14071.40	6.29	29.74	825
031000505	3	Floodplain Mapping Updates of Unnamed 4	Flower Mound	Floodplain mapping of Unnamed 4 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	60,000	605	4.60	6.90	374	4.0	5.98	57	3.60	9.01	0	0	0	0	0	0	46.93	3.65	421.91	4.13	29.68	826
041000025	4	Longview Drainage Master Plan	Longview	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	1,100,000	1379	5.14	7.70	10126	6.0	8.97	9	2.20	5.50	0	0	0	0	0	0	41.05	3.55	294.67	3.91	29.63	827
041000039	4	City of Longview Critical Facilities Flood Protection Study	Longview	Ensure that critical facilities owned by the jurisdiction are protected from flood.	Project planning	85,000	1379	5.14	7.70	10126	6.0	8.97	9	2.20	5.50	0	0	0	0	0	0	41.05	3.55	294.67	3.91	29.63	827
071000002	7	Baylor County Initial FEMA Mapping	Baylor County	Create FEMA Mapping in previously unmapped areas	Watershed planning	888,000	361	4.27	6.40	684	4.4	6.53	0	0	0	7	3.10	6.21	0	0	0	53.91	3.77	28476.50	6.72	29.62	829
071000031	7	Baylor County DMP	Baylor County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	361	4.27	6.40	684	4.4	6.53	0	0	0	7	3.10	6.21	0	0	0	53.91	3.77	28476.50	6.72	29.62	829
071000086	7	Baylor County GIS Development	Baylor County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	361	4.27	6.40	684	4.4	6.53	0	0	0	7	3.10	6.21	0	0	0	53.91	3.77	28476.50	6.72	29.62	829
071000122	7	Baylor County DCM	Baylor County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	361	4.27	6.40	684	4.4	6.53	0	0	0	7	3.10	6.21	0	0	0	53.91	3.77	28476.50	6.72	29.62	829
031000224	3	Shady Grove Rd, Gilbert Rd, Wright Blvd	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $2,860,900	Project planning	250,000	215	3.93	5.90	23489	6.5	9.73	3	1.38	3.46	4	2.46	4.92	0	0	0	6.09	2.02	170.20	3.58	29.60	833
061000186	6	Brays Bayou - Poor Farm Ditch	Harris County Flood Control District	Study to develop a BCR and elevate project to a FMP. Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	Project planning	690,000	3291	5.70	8.55	15766	6.2	9.37	33	3.19	7.97	0	0	0	0	0	0	37.21	3.47	0.40	0.24	29.59	834
151000449	15	City of San Benito - Holistic HUC Flood Protection Study	San Benito	Develop flood risk maps for the City of San Benito and develop CIP.	Watershed planning	1,500,000	2105	5.41	8.12	5842	5.6	8.47	2	1.10	2.75	0	0	0	30	4.13	2.07	53.87	3.77	672.43	4.42	29.58	835
031000092	3	Van Zandt County DMP	Van Zandt County	Evaluate County and identify future projects.	Watershed planning	500,000	231	3.98	5.97	8817	5.9	8.84	1	0.67	1.68	2	1.69	3.39	0	0	0	37.47	3.47	12720.19	6.22	29.57	836
011000023	1	Swisher County FIS	Swisher County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	929,000	57	3.07	4.61	53	2.8	4.22	0	0	0	11	3.63	7.26	15	3.44	1.72	203.70	4.84	40120.86	6.93	29.57	837
011000056	1	Swisher County Drainage Master Plan	Swisher County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; survey responses report issues with rivers, creeks, tributaries, and functioning floodplains and playa lakes.	Watershed planning	500,000	57	3.07	4.61	53	2.8	4.22	0	0	0	11	3.63	7.26	15	3.44	1.72	203.70	4.84	40120.86	6.93	29.57	837
031000184	3	Belt Line Rd (FM1382) at Cottonwood Creek	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $4,502,500	Project planning	250,000	122	3.56	5.35	56176	7.0	10.52	1	0.67	1.68	12	3.73	7.47	0	0	0	5.98	2.00	32.32	2.56	29.56	839
031000197	3	3rd St at Cottonwood Creek and Cottonwood Creek from SW 3rd to FM 1382	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $12,733,000	Project planning	637,000	122	3.56	5.35	56176	7.0	10.52	1	0.67	1.68	12	3.73	7.47	0	0	0	5.98	2.00	32.32	2.56	29.56	839
111000071	11	City of Victoria Voluntary Buyout Program Project Planning	Victoria	Project planning to implement a voluntary acquisition program for repetitive flood properties.	Project planning	150,000	1139	5.01	7.52	3181	5.3	7.92	24	2.95	7.36	0	0	0	0	0	0	36.15	3.44	110.69	3.31	29.56	841
111000075	11	City of Victoria Clean and Televise Storm Sewers Project Planning	Victoria	Project planning for proposed project to clean and televise storm sewers (165.7 miles). As a result of overland flow analysis and Storm Sewer System Level of Service Analysis, it was determined to clean and televise storm sewers.	Project planning	1,662,106	1139	5.01	7.52	3181	5.3	7.92	24	2.95	7.36	0	0	0	0	0	0	36.15	3.44	110.69	3.31	29.56	841
151000390	15	Willacy County Precinct No.1 - Los Angeles Drain Ditch improvement	Willacy County	Maintain ~2,500 LF of drain ditches in Los Angeles Subdivision	Project planning	76,503	1342	5.12	7.68	3695	5.4	8.06	5	1.76	4.40	0	0	0	46	4.57	2.28	19.15	2.93	465.67	4.19	29.54	843
121000109	12	Lower Basin Predictive Flood Model	San Antonio River Authority	Lower Basin Predictive Flood Model	Watershed planning	1,000,000	1068	4.97	7.46	790	4.4	6.66	0	0	0	0	0	0	1774	8.25	4.13	135.07	4.50	31301.30	6.78	29.52	844
091000001	9	Andrews County DMP	Andrews County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	959	4.90	7.35	1455	4.8	7.21	0	0	0	3	2.14	4.27	0	0	0	173.24	4.70	8416.52	5.97	29.51	845
091000002	9	Andrews County FEMA Mapping	Andrews County	Create FEMA Mapping in previously unmapped areas	Watershed planning	1,288,000	959	4.90	7.35	1455	4.8	7.21	0	0	0	3	2.14	4.27	0	0	0	173.24	4.70	8416.52	5.97	29.51	845
091000003	9	Andrews County GIS Development	Andrews County	Develop GIS an inventory of stormwater infrastructure	Other	100,000	959	4.90	7.35	1455	4.8	7.21	0	0	0	3	2.14	4.27	0	0	0	173.24	4.70	8416.52	5.97	29.51	845
061000355	6	Halls Bayou Drainage Project Bond C-01	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	Project planning	30,000	3186	5.68	8.52	7827	5.8	8.73	13	2.48	6.20	1	1.03	2.07	1	0.89	0.44	31.84	3.34	0.23	0.14	29.45	848
061000399	6	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. Would reduce flood risk for 600+ structures. Facilitates future drainage projects by more outfall depth.	Project planning	30,000	3186	5.68	8.52	7827	5.8	8.73	13	2.48	6.20	1	1.03	2.07	1	0.89	0.44	31.84	3.34	0.23	0.14	29.45	848
031000119	3	Sweetbriar-Glenrose Alley Drainage Study Update	Garland	Area 26	Project planning	50,000	308	4.16	6.25	45154	6.9	10.32	4	1.59	3.98	7	3.10	6.21	0	0	0	7.33	2.16	0.92	0.51	29.43	850
031000403	3	City of Decatur - S. FM 51 (West Side)	Decatur	Proposed channel improvements along the west side of South FM-51.	Project planning	250,000	157	3.73	5.59	2612	5.2	7.74	76	3.82	9.56	0	0	0	0	0	0	36.32	3.45	70.79	3.04	29.38	851
081000921	8	City of Georgetown Increase River/Channel Flow Capacity	Georgetown	Increase flow by deepening and widening the channel.	Project planning	606,000	175	3.80	5.70	1526	4.8	7.26	0	0	0	6	2.93	5.85	82	5.15	2.57	18.66	2.91	1791.97	5.02	29.31	852
081000922	8	City of Georgetown River Erosion Control	Georgetown	Reduce flood and erosion risk with riverbank stabilization and riverbank walls.	Project planning	606,000	175	3.80	5.70	1526	4.8	7.26	0	0	0	6	2.93	5.85	82	5.15	2.57	18.66	2.91	1791.97	5.02	29.31	852
081000924	8	City of Georgetown Culvert Improvements	Georgetown	Increase size of culverts at key locations to adequately convey storm water.	Project planning	606,000	175	3.80	5.70	1526	4.8	7.26	0	0	0	6	2.93	5.85	82	5.15	2.57	18.66	2.91	1791.97	5.02	29.31	852
031000183	3	Cotton Bayou PER	Mont Belvieu	Evaluate alternatives to construct a diversion channel within irrigation canal ROW to drain to Old River; construction of detention basins to serve new development; linear detention through channel improvements; expansion of existing detention basins	Project planning	250,000	645	4.64	6.97	11522	6.1	9.08	12	2.42	6.05	0	0	0	0	0	0	14.45	2.71	749.46	4.49	29.29	855
071000014	7	Lynn County Initial FEMA Mapping	Lynn County	Create FEMA Mapping in previously unmapped areas	Watershed planning	778,000	81	3.30	4.95	217	3.7	5.49	0	0	0	7	3.10	6.21	0	0	0	475.18	5.52	52668.85	7.09	29.26	856
071000066	7	Lynn County DMP	Lynn County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	81	3.30	4.95	217	3.7	5.49	0	0	0	7	3.10	6.21	0	0	0	475.18	5.52	52668.85	7.09	29.26	856
071000104	7	Lynn County GIS Development	Lynn County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	81	3.30	4.95	217	3.7	5.49	0	0	0	7	3.10	6.21	0	0	0	475.18	5.52	52668.85	7.09	29.26	856
071000179	7	Lynn County DCM	Lynn County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	81	3.30	4.95	217	3.7	5.49	0	0	0	7	3.10	6.21	0	0	0	475.18	5.52	52668.85	7.09	29.26	856
011000020	1	Childress County FIS	Childress County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	711,000	47	2.95	4.42	56	2.8	4.27	1	0.67	1.68	8	3.26	6.52	8	2.80	1.40	52.28	3.74	65435.88	7.23	29.25	860
011000054	1	Childress County Drainage Master Plan	Childress County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	47	2.95	4.42	56	2.8	4.27	1	0.67	1.68	8	3.26	6.52	8	2.80	1.40	52.28	3.74	65435.88	7.23	29.25	860
071000027	7	Stephens County Update FEMA Mapping	Stephens County	Update existing FEMA mapping	Watershed planning	920,000	657	4.66	6.98	709	4.4	6.56	1	0.67	1.68	2	1.69	3.39	0	0	0	64.18	3.91	28369.01	6.72	29.23	862
071000072	7	Stephens County DMP	Stephens County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	657	4.66	6.98	709	4.4	6.56	1	0.67	1.68	2	1.69	3.39	0	0	0	64.18	3.91	28369.01	6.72	29.23	862
071000110	7	Stephens County GIS Development	Stephens County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	657	4.66	6.98	709	4.4	6.56	1	0.67	1.68	2	1.69	3.39	0	0	0	64.18	3.91	28369.01	6.72	29.23	862
071000188	7	Stephens County Buyout Program	Stephens County	Develop a land acquisition program in flood hazard areas.	Project planning	1,000,000	657	4.66	6.98	709	4.4	6.56	1	0.67	1.68	2	1.69	3.39	0	0	0	64.18	3.91	28369.01	6.72	29.23	862
071000189	7	Stephens County DCM	Stephens County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	657	4.66	6.98	709	4.4	6.56	1	0.67	1.68	2	1.69	3.39	0	0	0	64.18	3.91	28369.01	6.72	29.23	862
071000190	7	Stephens County Stream Restoration Program	Stephens County	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	Project planning	500,000	657	4.66	6.98	709	4.4	6.56	1	0.67	1.68	2	1.69	3.39	0	0	0	64.18	3.91	28369.01	6.72	29.23	862

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
071000191	7	Stephens Flood Protection Lift Station Program	Stephens County	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	Project planning	100,000	657	4.66	6.98	709	4.4	6.56	1	0.67	1.68	2	1.69	3.39	0	0	0	64.18	3.91	28369.01	6.72	29.23	862
141000012	14	Dam Improvements at Comanche Creek Reservoir at Fort Stockton	Fort Stockton city, Pecos County	Inspect and evaluate rehabilitation improvements for Comanche Creek Reservoir to protect Fort Stockton from similar flooding to that which occurred on April 4, 2004.	Project planning	68,000	169	3.78	5.66	7825	5.8	8.73	2	1.10	2.75	4	2.46	4.92	27	4.03	2.01	22.15	3.05	14.47	2.07	29.19	869
091000114	9	Yoakum County DMP	Gaines County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	543	4.53	6.80	776	4.4	6.64	0	0	0	2	1.69	3.39	0	0	0	292.33	5.13	65855.14	7.23	29.19	870
091000115	9	Yoakum County FEMA Mapping	Yoakum County	Create FEMA Mapping in previously unmapped areas	Watershed planning	717,000	543	4.53	6.80	776	4.4	6.64	0	0	0	2	1.69	3.39	0	0	0	292.33	5.13	65855.14	7.23	29.19	870
081000048	8	Covington Woods Jess Pirtle Bridge Channel Improvements	Sugar Land	Determination of necessary repairs to ditch A-22 channel flow line	Project planning	111,000	1300	5.10	7.65	4489	5.5	8.23	2	1.10	2.75	0	0	0	143	5.71	2.86	19.32	2.94	1142.65	4.74	29.17	872
081000058	8	Sugar Lakes Drainage Improvements	Sugar Land	Determination of necessary storm drain improvements and lake control structure modifications.	Project planning	348,000	1300	5.10	7.65	4489	5.5	8.23	2	1.10	2.75	0	0	0	143	5.71	2.86	19.32	2.94	1142.65	4.74	29.17	872
031000502	3	Floodplain Mapping Updates of Timber Creek Tributary 17	Flower Mound	Floodplain mapping of Timber Creek Tributary 17 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	57,000	413	4.35	6.53	1335	4.8	7.13	53	3.55	8.87	0	0	0	0	0	0	56.65	3.81	47.87	2.80	29.14	874
111000002	11	Blanco County Soil Conservation Plan	Blanco County	Develop soil conservation plan which provides information on proper land stewardship including diagram, soil map, assessment of vegetation and wildlife fuels, schedule for applying conservation practices; plan for operation and maintenance.	Watershed planning	100,000	167	3.77	5.65	256	3.8	5.64	0	0	0	30	4.81	9.61	0	0	0	14.20	2.69	4091.82	5.53	29.13	875
111000137	11	Blanco County Emergency Power Generators Project Planning	Blanco County	Project planning to install emergency generators at critical facilities to provide back-up power from hazard events.	Project planning	100,000	167	3.77	5.65	256	3.8	5.64	0	0	0	30	4.81	9.61	0	0	0	14.20	2.69	4091.82	5.53	29.13	875
091000141	9	Mildde Colorado Elm Dams	Valley Creek Water Control District	Perform a watershed-wide evaluation of the dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	193,700	253	4.04	6.06	117	3.3	4.93	1	0.67	1.68	3	2.14	4.27	3	1.84	0.92	128.01	4.46	33103.29	6.81	29.12	877
081001299	8	Cedar Park Drainage Master Plan	Cedar Park	Atlas 14 H&H modeling and CIP development. Focus on developing BCAs and prioritization plan.	Project planning	500,000	269	4.08	6.11	819	4.5	6.69	0	0	0	12	3.73	7.47	130	5.61	2.81	5.40	1.92	398.70	4.10	29.10	878
031000065	3	City of Southlake DMP	Southlake	Evaluate City and identify future projects.	Watershed planning	500,000	88	3.35	5.03	50597	6.9	10.42	1	0.67	1.68	10	3.52	7.04	0	0	0	3.42	1.56	121.24	3.37	29.10	879
021000006	2	Delta County FIS	Delta County	Develop FIS for the County	Watershed planning	682,000	121	3.56	5.34	82	3.1	4.61	2	1.10	2.75	8	3.26	6.52	0	0	0	41.51	3.56	14657.09	6.31	29.08	880
011000016	1	Roberts County FIS	Roberts County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	870,000	90	3.37	5.05	55	2.8	4.25	2	1.10	2.75	5	2.72	5.43	5	2.33	1.17	20.55	2.99	91030.60	7.43	29.07	881
011000051	1	Roberts County Drainage Master Plan	Roberts County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	90	3.37	5.05	55	2.8	4.25	2	1.10	2.75	5	2.72	5.43	5	2.33	1.17	20.55	2.99	91030.60	7.43	29.07	881
031000490	3	Floodplain Mapping Updates of Stream SB-1	Flower Mound	Floodplain mapping of Stream SB-1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	57,000	406	4.34	6.51	254	3.8	5.63	60	3.64	9.11	0	0	0	0	0	0	42.46	3.57	461.07	4.19	29.02	883
071000009	7	Garza County Initial FEMA Mapping	Garza County	Create FEMA Mapping in previously unmapped areas	Watershed planning	882,000	158	3.73	5.60	315	3.9	5.83	0	0	0	11	3.63	7.26	0	0	0	97.67	4.24	10113.48	6.08	29.02	884
071000060	7	Garza County DMP	Garza County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	158	3.73	5.60	315	3.9	5.83	0	0	0	11	3.63	7.26	0	0	0	97.67	4.24	10113.48	6.08	29.02	884
071000097	7	Garza County GIS Development	Garza County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	158	3.73	5.60	315	3.9	5.83	0	0	0	11	3.63	7.26	0	0	0	97.67	4.24	10113.48	6.08	29.02	884
071000164	7	Garza County DCM	Garza County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	158	3.73	5.60	315	3.9	5.83	0	0	0	11	3.63	7.26	0	0	0	97.67	4.24	10113.48	6.08	29.02	884
071000005	7	Cochran County Initial FEMA Mapping	Cochran County	Create FEMA Mapping in previously unmapped areas	Watershed planning	671,000	278	4.10	6.15	340	3.9	5.90	2	1.10	2.75	1	1.03	2.07	0	0	0	246.07	4.99	49749.90	7.06	28.91	888
071000057	7	Cochran County DMP	Cochran County	Identify bridge and culvert crossings damaged by past flooding events. Create a GIS map and assessment condition report for each structure.	Watershed planning	500,000	278	4.10	6.15	340	3.9	5.90	2	1.10	2.75	1	1.03	2.07	0	0	0	246.07	4.99	49749.90	7.06	28.91	888
071000090	7	Cochran County GIS Development	Cochran County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	278	4.10	6.15	340	3.9	5.90	2	1.10	2.75	1	1.03	2.07	0	0	0	246.07	4.99	49749.90	7.06	28.91	888
071000157	7	Cochran County DCM	Cochran County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	278	4.10	6.15	340	3.9	5.90	2	1.10	2.75	1	1.03	2.07	0	0	0	246.07	4.99	49749.90	7.06	28.91	888
031000507	3	Floodplain Mapping Updates of Unnamed 5 Tributary 1	Flower Mound	Floodplain mapping of Unnamed 5 Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	57,000	524	4.51	6.76	418	4.1	6.08	79	3.85	9.63	0	0	0	0	0	0	33.78	3.39	68.03	3.01	28.88	892
111000006	11	Caldwell County Emergency Service District #3 Repetitive Loss Property Mitigation Study	Caldwell County Emergency Service District #3	Study of identify flood-prone and repetitive loss properties through the Texas Water Development Board and identify and study solutions to reduce or eliminate flooding at identified properties.	Project planning	1,000,000	465	4.43	6.65	1254	4.7	7.08	1	0.67	1.68	5	2.72	5.43	0	0	0	12.59	2.60	3124.11	5.36	28.79	893
151000431	15	Tier 3 Urban Stormwater Model Development 8: City of San Juan Flood Mitigation Project Development	San Juan	Tier 3 Urban Stormwater Model Development 8: City of San Juan Flood Mitigation Project Development	Project planning	200,000	2174	5.43	8.15	8099	5.8	8.76	3	1.38	3.46	0	0	0	0	0	0	55.93	3.80	863.06	4.57	28.74	894
081000957	8	620 Quarry Solution	Round Rock	Study to determine needed flood storage to address Lake Creek flooding.	Project planning	877,000	224	3.96	5.94	1458	4.8	7.21	0	0	0	13	3.83	7.65	44	4.52	2.26	7.21	2.15	151.15	3.50	28.72	895
081000881	8	Sharondale Drainage Improvements	Waco	Drainage infrastructure improvements to reduce flooding in the Sharondale area.	Project planning	157,000	578	4.57	6.86	5346	5.6	8.39	1	0.67	1.68	1	1.03	2.07	108	5.43	2.71	31.99	3.35	196.13	3.66	28.72	896
061000041	6	City of Manvel SH. 6 Drainage Improvements	Manvel	Further study of state Highway 6 drainage improvements, including storm sewer upgrades to meet current capacities, ditch deepening, and sub regional detention ponds. Project will also widen and reshape ditches, and upgrade culverts.	Project planning	3,000,000	1249	5.07	7.61	6741	5.7	8.60	8	2.11	5.28	0	0	0	0	0	0	43.32	3.59	178.81	3.61	28.68	897
061000045	6	City of Manvel Flora St. Drainage Improvements	Manvel	Study of possbile Flora Street drainage improvements: widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in Manvel neighborhoods.	Project planning	100,000	1249	5.07	7.61	6741	5.7	8.60	8	2.11	5.28	0	0	0	0	0	0	43.32	3.59	178.81	3.61	28.68	897
061000047	6	City of Manvel Various Drainage Improvements	Manvel	Study of various drainage improvements, including storm sewer rehabilitation and ditch deepening.	Project planning	460,000	1249	5.07	7.61	6741	5.7	8.60	8	2.11	5.28	0	0	0	0	0	0	43.32	3.59	178.81	3.61	28.68	897
061000260	6	City of Manvel Master Drainage Plan	Manvel	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	460,000	1249	5.07	7.61	6741	5.7	8.60	8	2.11	5.28	0	0	0	0	0	0	43.32	3.59	178.81	3.61	28.68	897
061000415	6	City of Manvel Rogers Rd. Drainage Improvements	Manvel	Further study Alleluia Trail Rogers Rd & All Roads off Rogers drainage improvements, including storm sewer rehabilitation and ditch deepening.	Project planning	30,000	1249	5.07	7.61	6741	5.7	8.60	8	2.11	5.28	0	0	0	0	0	0	43.32	3.59	178.81	3.61	28.68	897
061000318	6	Fort Bend County Willow Fork Channel Improvements	Fort Bend County Drainage District	Further study and BCA development. Combo of 11 different channel improvements were identified along Willow Fork and its tributaries as part of the Fort Bend County Master Drainage Plan that, when combined, will provide a 100-year level of service.	Project planning	30,000	403	4.34	6.51	991	4.6	6.87	10	2.28	5.70	2	1.69	3.39	2	1.46	0.73	8.47	2.28	80.04	3.11	28.59	902
031000332	3	Ten Mile Creek at Houston School Road	Lancaster	Evaluate bridge improvements for Houston School Road over Ten Mile Creek	Project planning	250,000	193	3.86	5.79	14616	6.2	9.30	2	1.10	2.75	5	2.72	5.43	0	0	0	7.36	2.17	81.92	3.13	28.56	903
031000333	3	Ten Mile Creek at IH 35E Service	Lancaster	Evaluate bridge improvements for IH 35E Service over Ten Mile Creek	Project planning	250,000	193	3.86	5.79	14616	6.2	9.30	2	1.10	2.75	5	2.72	5.43	0	0	0	7.36	2.17	81.92	3.13	28.56	903
031000334	3	Ten Mile Creek at IH 35E Service (County Highway 1382)	Lancaster	Evaluate bridge improvements for IH 35E Service (County Highway 1382) over Ten Mile Creek	Project planning	250,000	193	3.86	5.79	14616	6.2	9.30	2	1.10	2.75	5	2.72	5.43	0	0	0	7.36	2.17	81.92	3.13	28.56	903
031000354	3	City of Huntsville DMP	Hunstville	Evaluate city and identify future projects	Watershed planning	500,000	238	4.00	6.00	47470	6.9	10.36	3	1.38	3.46	2	1.69	3.39	0	0	0	6.21	2.03	107.40	3.29	28.53	906
131000005	13	Others (Flood Prevention/Planning Study, LOMR etc)	Pleasanton	Atascosa Flood Prevention Project - Pleasanton	Project planning	79,000	464	4.43	6.64	2226	5.1	7.60	1	0.67	1.68	5	2.72	5.43	107	5.42	2.71	15.56	2.77	7.74	1.68	28.51	907
131000018	13	Atascosa McMullen Hazard Mitigation Plan - City of Pleasanton Action #10	Pleasanton	reduce flooding and poor drainage by increasing maintenance of existing storm water system.	Project planning	3,150,000	464	4.43	6.64	2226	5.1	7.60	1	0.67	1.68	5	2.72	5.43	107	5.42	2.71	15.56	2.77	7.74	1.68	28.51	907

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000104	3	Ridgewood Park-Regal Estates-Meadowcreek Square Drainage Study Update	Garland	Area 9	Project planning	134,000	232	3.98	5.97	27040	6.6	9.85	2	1.10	2.75	5	2.72	5.43	0	0	0	3.98	1.68	44.78	2.76	28.44	909
031000106	3	La Prada 7 & 8 Drainage Study Update	Garland	Area 11	Project planning	50,000	232	3.98	5.97	27040	6.6	9.85	2	1.10	2.75	5	2.72	5.43	0	0	0	3.98	1.68	44.78	2.76	28.44	909
031000107	3	Gatewood Drainage Study Update	Garland	Area 12	Project planning	50,000	232	3.98	5.97	27040	6.6	9.85	2	1.10	2.75	5	2.72	5.43	0	0	0	3.98	1.68	44.78	2.76	28.44	909
031000109	3	Center Creek Plaza 8 Southgate Estates Drainage Study Update	Garland	Area 14	Project planning	50,000	232	3.98	5.97	27040	6.6	9.85	2	1.10	2.75	5	2.72	5.43	0	0	0	3.98	1.68	44.78	2.76	28.44	909
031000118	3	Brazos Drive Drainage Study Update	Garland	Area 23	Project planning	50,000	232	3.98	5.97	27040	6.6	9.85	2	1.10	2.75	5	2.72	5.43	0	0	0	3.98	1.68	44.78	2.76	28.44	909
031000280	3	Ashville Drive Drainage Improvements	Garland	Implement results from the Ashville Drainage Study. This study identified recommended mitigation options that can provide 100-year protection and minimal improvements for greater frequency storm events.	Project planning	150,000	232	3.98	5.97	27040	6.6	9.85	2	1.10	2.75	5	2.72	5.43	0	0	0	3.98	1.68	44.78	2.76	28.44	909
031000282	3	Tobin trail Drainage Analysis	Garland	Implement results from the Tobin Trail Drainage Study. This study identified mitigation options to determine what solutions can be provided to eliminate or reduce flooding that occurs in Tobin Trail.	Project planning	150,000	232	3.98	5.97	27040	6.6	9.85	2	1.10	2.75	5	2.72	5.43	0	0	0	3.98	1.68	44.78	2.76	28.44	909
071000141	7	City of Levelland DCM	Levelland	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	1277	5.09	7.63	4738	5.5	8.28	5	1.76	4.40	0	0	0	0	0	0	46.04	3.64	718.18	4.46	28.41	916
031000496	3	Floodplain Mapping Updates of TC-2 Tributary 4	Flower Mound	Floodplain mapping of TC-2 Tributary 4 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	484	4.46	6.69	1909	5.0	7.46	57	3.60	9.01	0	0	0	0	0	0	30.78	3.31	11.26	1.91	28.38	917
051000158	5	North Taylor Regional Detention Basin	Jefferson County Drainage District 6	The project proposes a regional detention facility north of FM365 and west of South China Road in the upper portion of the North Fork of Taylors Bayou watershed.	Project planning	75,000	1085	4.98	7.47	1332	4.8	7.13	0	0	0	2	1.69	3.39	2	1.46	0.73	71.08	3.99	5114.31	5.66	28.37	918
091000019	9	Coke County DMP	Coke County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	245	4.02	6.02	123	3.3	4.98	0	0	0	14	3.91	7.83	0	0	0	55.43	3.79	5509.61	5.71	28.33	919
091000020	9	Coke County FEMA Mapping	Tom Green County	Create FEMA Mapping in previously unmapped areas	Watershed planning	920,000	245	4.02	6.02	123	3.3	4.98	0	0	0	14	3.91	7.83	0	0	0	55.43	3.79	5509.61	5.71	28.33	919
091000021	9	Coke County GIS Development	Coke County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	245	4.02	6.02	123	3.3	4.98	0	0	0	14	3.91	7.83	0	0	0	55.43	3.79	5509.61	5.71	28.33	919
081000941	8	Mustang Creek Study	Taylor	Detailed H&H modeling to mitigate flooding from Upper Mustang Creek on the City of Taylor.	Preparedness	290,000	111	3.50	5.25	199	3.6	5.41	0	0	0	13	3.83	7.65	51	4.67	2.34	6.56	2.08	4157.24	5.54	28.27	922
031000246	3	Warrior Creek Stabilization	Grand Prairie	From Great Southwest to South Fork Cottonwood Creek; Estimated construction cost of $518,500	Project planning	250,000	80	3.29	4.94	47504	6.9	10.36	1	0.67	1.68	10	3.52	7.04	0	0	0	4.84	1.84	24.38	2.38	28.24	923
031000063	3	City of Colleyville DMP	Colleyville	Evaluate City and identify future projects.	Watershed planning	500,000	156	3.72	5.58	22811	6.5	9.70	2	1.10	2.75	4	2.46	4.92	0	0	0	5.00	1.86	131.83	3.42	28.23	924
131000019	13	Atascosa McMullen Hazard Mitigation Plan - McMullen County Action #2	McMullen County	Conduct a countywide floodplain study and mapping to understand the limits of the 1% annual chance and 0.2% annual chance floodplain boundaries and their effects on the community, infrastructure and critical facilities.	Watershed planning	450,000	339	4.23	6.34	103	3.2	4.82	0	0	0	6	2.93	5.85	70	4.99	2.49	39.45	3.51	2424.65	5.21	28.22	925
131000020	13	Atascosa McMullen Hazard Mitigation Plan - McMullen County Action #3	McMullen County	Study and prioritize low water crossing improvements	Project planning	50,000	339	4.23	6.34	103	3.2	4.82	0	0	0	6	2.93	5.85	70	4.99	2.49	39.45	3.51	2424.65	5.21	28.22	925
131000021	13	Atascosa McMullen Hazard Mitigation Plan - McMullen County Action #5	McMullen County	Provide FEMA review of floodplain management criteria by ensuring that the community correct NRP program deficiencies and enforces existing ordinances that regular planning and development.	Project planning	10,000	339	4.23	6.34	103	3.2	4.82	0	0	0	6	2.93	5.85	70	4.99	2.49	39.45	3.51	2424.65	5.21	28.22	925
051000155	5	Bridge City Drainage Outfall Improvement Project	Orange County Drainage District	Improve and extend three major drainage ditches and extend a neighborhood outfall to reduce structural flooding in residences within the area.	Project planning	200,000	1889	5.34	8.01	3394	5.3	7.98	6	1.90	4.74	1	1.03	2.07	1	0.89	0.44	36.40	3.45	5.93	1.52	28.21	928
061000087	6	City of La Maque - East Side Storm water detention	La Marque	Feasibility study and a drainage analysis of the new pond row acquisition and associated conveyance improvements on a part of 10 acres of land.	Project planning	360,000	829	4.81	7.21	1455	4.8	7.21	8	2.11	5.28	1	1.03	2.07	1	0.89	0.44	31.12	3.32	37.85	2.65	28.20	929
061000147	6	Implement Drainage Improvements in City of La Marque	La Marque	Implement drainage projects that support low maintenance and cleaning of drainage ditches.	Project planning	360,000	829	4.81	7.21	1455	4.8	7.21	8	2.11	5.28	1	1.03	2.07	1	0.89	0.44	31.12	3.32	37.85	2.65	28.20	929
061000149	6	Evaluatin of Increase Height of Existing Levee Wall System in City of La Marque	La Marque	Increase height of existing Levee wall system to withstand a Category 5 storm surge.	Project planning	810,000	829	4.81	7.21	1455	4.8	7.21	8	2.11	5.28	1	1.03	2.07	1	0.89	0.44	31.12	3.32	37.85	2.65	28.20	929
061000255	6	City of La Marque Master Drainage Plan	La Marque	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	360,000	829	4.81	7.21	1455	4.8	7.21	8	2.11	5.28	1	1.03	2.07	1	0.89	0.44	31.12	3.32	37.85	2.65	28.20	929
041000034	4	City of Canton Drainage Infrastructure Improvements Study	Canton	Feasibility study to increase drainage capacity; install french drains or elevate building and upgrade undersized pipe under state Hwy	Project planning	300,000	231	3.98	5.97	1002	4.6	6.88	12	2.42	6.05	2	1.69	3.39	2	1.46	0.73	4.04	1.69	146.59	3.49	28.19	933
151000005	15	City of Brownsville Action #17	Brownsville	Construct and/or expand culverts on rural roads and main stream outfalls. Locations include: 1) Central Ave to Martinelle; 2) Robindale to Old Place ; 3) Dana 802 to High Emerson ; 4) Pablo Kisel from Morrison to Alton Gloor	Project planning	99,000	1814	5.31	7.97	5673	5.6	8.44	1	0.67	1.68	0	0	0	73	5.03	2.52	50.68	3.72	257.49	3.83	28.15	934
061000295	6	City of Waller Master Drainage Plan	Waller	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	100,000	148	3.69	5.53	578	4.3	6.38	4	1.59	3.98	7	3.10	6.21	7	2.67	1.33	5.34	1.91	47.51	2.79	28.15	935
081001039	8	Improve Undersized Storm Sewers in Cottonwood Branch/Still Creek DB	Bryan	Update modeling to Atlas 14 to determine appropriate sizing for storm sewer in the region.	Project planning	100,000	254	4.04	6.06	581	4.3	6.38	0	0	0	12	3.73	7.47	51	4.67	2.34	5.48	1.93	292.26	3.91	28.08	936
061000326	6	1100-WP01 Vince Bayou Watershed Planning Project Recommendation	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. Alt-6 Detention basin and channel widening near Strawberry Road on left bank of Vince Bayou.	Project planning	30,000	1144	5.01	7.52	4840	5.5	8.30	11	2.35	5.88	1	1.03	2.07	1	0.89	0.44	19.07	2.93	1.87	0.85	28.00	937
061000329	6	1100-WP06 for Vince Bayou Watershed Planning Project	Harris County	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, design, and construction of a stormwater detention basin and channel widening near Strawberry Road and Young Street.	Project planning	30,000	1144	5.01	7.52	4840	5.5	8.30	11	2.35	5.88	1	1.03	2.07	1	0.89	0.44	19.07	2.93	1.87	0.85	28.00	937
061000330	6	1100-WP10 for Vince Bayou Watershed Planning Project	Harris County	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Two Stormwater Detention Basins near Westside Dr. and Westside. Ct.	Project planning	30,000	1144	5.01	7.52	4840	5.5	8.30	11	2.35	5.88	1	1.03	2.07	1	0.89	0.44	19.07	2.93	1.87	0.85	28.00	937
061000331	6	1100-WP07 for Vince Bayou Watershed Planning Project	Harris County	Study to develop a BCR needed for this project to become a FMP. Pasadena (CIP) Street Lowering (Various). Right-of-way acquisition, Design, and Construction of Stormwaters Detention Basin and construction of Culverts near Pasadena Blvd..	Project planning	30,000	1144	5.01	7.52	4840	5.5	8.30	11	2.35	5.88	1	1.03	2.07	1	0.89	0.44	19.07	2.93	1.87	0.85	28.00	937
061000332	6	1100-WP11 for Vince Bayou Watershed Planning Project	Harris County	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Right-of-way acquisition, Design, and Construction of Stormwater Detention Basins near Spencer Hwy. and Tulip Street.	Project planning	30,000	1144	5.01	7.52	4840	5.5	8.30	11	2.35	5.88	1	1.03	2.07	1	0.89	0.44	19.07	2.93	1.87	0.85	28.00	937
041000057	4	Terry Bayou Detention Ponds Study	Orange County Drainage District	Flood Protection Planning Study Cow Bayou & Adams Bayou Alternative	Project planning	600,000	2444	5.51	8.26	3541	5.3	8.02	0	0	0	1	1.03	2.07	1	0.89	0.44	55.29	3.79	3308.28	5.40	27.97	942
111000176	11	Goliad County Drainage Master Plan	Goliad County	Creation of drainage master plan for Goliad County, possibly in multiple phases, by watershed	Watershed planning	1,000,000	166	3.76	5.65	296	3.8	5.77	3	1.38	3.46	3	2.14	4.27	0	0	0	11.72	2.54	13211.35	6.25	27.93	943
031000504	3	Floodplain Mapping Updates of Tributary C to Timber Creek	Flower Mound	Floodplain mapping of Tributary C to Timber Creek to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	625	4.62	6.93	4321	5.5	8.20	57	3.60	9.01	0	0	0	0	0	0	46.93	3.65	0.22	0.14	27.93	944

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000436	6	Unincorporated Areas of Bacliff and San Leon Roadside Ditches & Driveway Culverts Improvements	Galveston County	Further study of this unfunded CDBG-MIT project consists of various areas of roadside ditch and driveway culvert improvements in Bacliff and San Leon.	Project planning	30,000	3330	5.71	8.56	5550	5.6	8.42	5	1.76	4.40	0	0	0	0	0	0	50.36	3.71	48.62	2.81	27.90	945
041000088	4	Collin County Flood Hazard Mapping	Collin County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	3,750,000	228	3.97	5.95	282	3.8	5.73	0	0	0	2	1.69	3.39	2	1.46	0.73	2530.29	6.86	2530.29	5.23	27.90	946
041000092	4	Collin County Retention Structures Rehabilitation Project	Collin County	Collin County Retention Structures Rehabilitation Project	Project planning	30,000	228	3.97	5.95	282	3.8	5.73	0	0	0	2	1.69	3.39	2	1.46	0.73	2530.29	6.86	2530.29	5.23	27.90	946
041000093	4	Collin County Flooding Hazard/Vulnerability Assessment	Collin County	Collin County flooding hazard/vulnerability assessment	Project planning	30,000	228	3.97	5.95	282	3.8	5.73	0	0	0	2	1.69	3.39	2	1.46	0.73	2530.29	6.86	2530.29	5.23	27.90	946
041000094	4	Collin County Dam Inundation Study	Collin County	Collin County Dam Inundation Study	Watershed planning	30,000	228	3.97	5.95	282	3.8	5.73	0	0	0	2	1.69	3.39	2	1.46	0.73	2530.29	6.86	2530.29	5.23	27.90	946
031000023	3	Limestone County FEMA Mapping	Limestone County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,272,000	62	3.13	4.69	6175	5.7	8.52	1	0.67	1.68	3	2.14	4.27	0	0	0	12.88	2.61	10683.74	6.12	27.88	950
031000176	3	Regional Detention at Mayfair Park	Hurst	Valley View watershed; $ Estimated construction cost of1,900,000 cost estimate; from 2017 study	Project planning	250,000	189	3.85	5.77	14110	6.2	9.27	1	0.67	1.68	12	3.73	7.47	0	0	0	5.23	1.90	9.02	1.78	27.85	951
011000036	1	Cooke County FIS	Cooke County	Update flood insurance study for the county and develop regulatory mapping	Watershed planning	917,000	54	3.04	4.55	81	3.1	4.60	0	0	0	13	3.83	7.65	40	4.42	2.21	8.45	2.28	20721.47	6.52	27.82	952
011000043	1	Cooke County Drainage Master Plan	Cooke County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	54	3.04	4.55	81	3.1	4.60	0	0	0	13	3.83	7.65	40	4.42	2.21	8.45	2.28	20721.47	6.52	27.82	952
031000052	3	City of Rowlett DMP	Rowlett	Evaluate City and identify future projects.	Watershed planning	500,000	142	3.66	5.49	41311	6.8	10.24	0	0	0	7	3.10	6.21	0	0	0	5.24	1.90	293.27	3.91	27.75	954
061000445	6	Lilly - Alligator Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	516	4.50	6.75	2300	5.1	7.63	1	0.67	1.68	9	3.40	6.79	9	2.92	1.46	9.90	2.40	2.45	1.00	27.71	955
061000446	6	East Fork North - Alligator Creek Watershed "	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	516	4.50	6.75	2300	5.1	7.63	1	0.67	1.68	9	3.40	6.79	9	2.92	1.46	9.90	2.40	2.45	1.00	27.71	955
061000447	6	East Fork South - Alligator Creek Watershed "	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	516	4.50	6.75	2300	5.1	7.63	1	0.67	1.68	9	3.40	6.79	9	2.92	1.46	9.90	2.40	2.45	1.00	27.71	955
061000448	6	West Branch - Alligator Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	516	4.50	6.75	2300	5.1	7.63	1	0.67	1.68	9	3.40	6.79	9	2.92	1.46	9.90	2.40	2.45	1.00	27.71	955
061000449	6	Oak Hollow - Alligator Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	516	4.50	6.75	2300	5.1	7.63	1	0.67	1.68	9	3.40	6.79	9	2.92	1.46	9.90	2.40	2.45	1.00	27.71	955
061000450	6	Cable - Alligator Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	516	4.50	6.75	2300	5.1	7.63	1	0.67	1.68	9	3.40	6.79	9	2.92	1.46	9.90	2.40	2.45	1.00	27.71	955
071000218	7	Lower Clear Fork Brazos Dams	Woodson	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	211	3.92	5.88	79	3.1	4.58	0	0	0	5	2.72	5.43	5	2.33	1.17	55.34	3.79	35694.60	6.86	27.70	961
041000012	4	Shelby County Flood Hazard Mapping	Shelby County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	375,500	800	4.78	7.17	225	3.7	5.52	0	0	0	3	2.14	4.27	3	1.84	0.92	49.37	3.70	9764.27	6.06	27.64	962
011000005	1	Motley County FIS	Motley County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	974,000	114	3.52	5.28	102	3.2	4.81	0	0	0	6	2.93	5.85	6	2.52	1.26	22.51	3.06	80008.15	7.35	27.61	963
031000387	3	Arlington Bowman Branch - Spring Miller Court Crossing Improvements	Arlington	Proposed project to reduce flooding Spring Miller Court Crossing by constructing an additional culvert barrel.	Project planning	162,000	1170	5.03	7.54	1266	4.7	7.09	71	3.77	9.43	0	0	0	0	0	0	35.36	3.43	0.17	0.10	27.59	964
031000391	3	Arlington Cottonwood Creek at Sherry Street Crossing Improvements	Arlington	Flood study evaluating three (3) alternatives which preserve access to the existing fire station while reducing flooding at this crossing.	Project planning	231,000	291	4.13	6.19	1808	4.9	7.41	57	3.60	9.01	0	0	0	0	0	0	32.85	3.37	6.87	1.61	27.59	965
041000035	4	City of Kilgore Drainage Infrastructure Improvements Study	Kilgore	Study improvements to drainage infrastructure in the downtown area by installing new inlets and storm drains	Project planning	300,000	296	4.14	6.21	870	4.5	6.75	3	1.38	3.46	3	2.14	4.27	3	1.84	0.92	15.24	2.75	95.78	3.22	27.58	966
041000036	4	City of Kilgore Library Drainage Improvement Study	Kilgore	Feasibility study of underground drainage structures to capture and direct subsurface water away from the library structure	Project planning	400,000	296	4.14	6.21	870	4.5	6.75	3	1.38	3.46	3	2.14	4.27	3	1.84	0.92	15.24	2.75	95.78	3.22	27.58	966
031000032	3	Van Zandt County FEMA Mapping	Van Zandt County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,272,000	118	3.54	5.31	8817	5.9	8.84	1	0.67	1.68	2	1.69	3.39	0	0	0	37.47	3.47	1378.73	4.86	27.55	968
151000360	15	City of San Benito - North Rail Drainage	San Benito	North of R.R. -Drainage improvement and flood elevation measures	Project planning	1,283,548	1343	5.12	7.68	3646	5.4	8.04	2	1.10	2.75	0	0	0	26	3.99	2.00	30.00	3.29	234.57	3.77	27.53	969
111000068	11	City of Uhland Drainage Improvement Project Planning	Uhland	Project planning for proposed project to mitigate against flooding by increasing the capacity of drainage routes to contain the storm water. Proposed drainage improvements will reduce flood waters backing up into the City.	Project planning	1,334,000	223	3.95	5.93	599	4.3	6.41	0	0	0	18	4.21	8.42	0	0	0	6.55	2.07	1027.09	4.68	27.51	970
011000006	1	Floyd County FIS	Floyd County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	1,115,000	35	2.75	4.13	22	2.3	3.42	0	0	0	10	3.52	7.04	37	4.35	2.17	76.58	4.05	26594.52	6.68	27.49	971
011000045	1	Floyd County Drainage Master Plan	Floyd County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; survey responses report issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	500,000	35	2.75	4.13	22	2.3	3.42	0	0	0	10	3.52	7.04	37	4.35	2.17	76.58	4.05	26594.52	6.68	27.49	971
081000950	8	Barker Street Neighborhood Improvements	Thrall	Determine optimal drainage improvements to maximize flood protection for the area.	Watershed planning	440,000	269	4.08	6.11	819	4.5	6.69	0	0	0	11	3.63	7.26	41	4.45	2.22	5.41	1.92	101.86	3.26	27.48	973
111000161	11	Caldwell County Hemphill Creek Between SH 142 and SH 80	Caldwell County	Evaluate projects to mitigate residential flooding on Hemphill Creek with consideration of influence from San Marcos River	Project planning	50,000	410	4.35	6.52	1189	4.7	7.03	1	0.67	1.68	5	2.72	5.43	0	0	0	7.66	2.20	921.46	4.61	27.47	974
151000273	15	City of Donna - North Donna Drainage Improvement	Donna	Increase Hutto & South Rd. drain ditch capacity and create drainage for West Scobey Rd.	Project planning	588,702	1420	5.15	7.73	6347	5.7	8.54	4	1.59	3.98	0	0	0	0	0	0	26.23	3.19	350.02	4.02	27.47	975
041000016	4	Rains County Flood Hazard Mapping	Rains County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	2,100,000	277	4.10	6.14	258	3.8	5.65	0	0	0	4	2.46	4.92	4	2.12	1.06	35.20	3.42	13841.52	6.28	27.47	976
041000017	4	Rains County Drainage Master Plan	Rains County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	600,000	277	4.10	6.14	258	3.8	5.65	0	0	0	4	2.46	4.92	4	2.12	1.06	35.20	3.42	13841.52	6.28	27.47	976
031000296	3	Alta Mesa Branch at Persimmon Road	Dallas	Evaluate bridge improvements for Persimmon Road over Alta Mesa Branch	Project planning	250,000	179	3.81	5.72	10002	6.0	8.96	3	1.38	3.46	2	1.69	3.39	0	0	0	9.52	2.37	160.75	3.54	27.44	978
031000297	3	Alta Mesa Branch at Simpson Stuart Road	Dallas	Evaluate culvert improvements for Simpson Stuart Road over Alta Mesa Branch	Project planning	250,000	179	3.81	5.72	10002	6.0	8.96	3	1.38	3.46	2	1.69	3.39	0	0	0	9.52	2.37	160.75	3.54	27.44	978
031000298	3	Alta Mesa Branch at Tracy Road	Dallas	Evaluate bridge improvements: Tracy Road over Alta Mesa Branch	Project planning	250,000	179	3.81	5.72	10002	6.0	8.96	3	1.38	3.46	2	1.69	3.39	0	0	0	9.52	2.37	160.75	3.54	27.44	978
011000015	1	Hemphill County FIS	Hemphill County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	887,000	101	3.44	5.16	76	3.0	4.54	0	0	0	6	2.93	5.85	6	2.52	1.26	29.62	3.28	77405.32	7.33	27.43	981
011000008	1	Hardeman County FIS	Hardeman County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	678,000	43	2.89	4.33	133	3.4	5.05	0	0	0	6	2.93	5.85	6	2.52	1.26	54.35	3.77	59006.80	7.16	27.43	982
021000019	2	Morris County FIS	Morris County	Update County maps to Zone AE	Watershed planning	804,000	234	3.99	5.98	277	3.8	5.71	6	1.90	4.74	2	1.69	3.39	0	0	0	38.45	3.49	395.00	4.09	27.41	983
101000112	10	Willis Creek Detention	Brownwood	Willis Creek Detention construction	Project planning	250,000	758	4.75	7.12	2415	5.1	7.67	1	0.67	1.68	2	1.69	3.39	0	0	0	14.13	2.69	1350.16	4.85	27.40	984

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000503	3	Floodplain Mapping Updates of Timber Creek Tributary 18	Flower Mound	Floodplain mapping of Timber Creek Tributary 18 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	444	4.40	6.60	654	4.3	6.49	42	3.37	8.43	0	0	0	0	0	0	48.53	3.68	17.80	2.19	27.39	985
031000142	3	Little Elm Drainage Improvements	Little Elm	Evaluate drainage improvements to mitigate future flash and lake flooding problems.	Project planning	1,000,000	71	3.21	4.82	23227	6.5	9.72	14	2.54	6.34	0	0	0	0	0	0	5.89	1.99	788.03	4.52	27.38	986
101000219	10	Bastrop CCTV Storm Drain Evaluation (DMP COB-02)	Bastrop	Assess the existing storm drain infrastructure within the City of Bastrop utilizing closed-circuit television inspection. Analyze approximately 17,000" of storm drain infrastructure to develop a storm drain maintenance and improvement plan.	Project planning	350,000	659	4.66	6.99	2890	5.2	7.83	2	1.10	2.75	3	2.14	4.27	0	0	0	7.77	2.21	108.44	3.30	27.35	987
011000024	1	Castro County FIS	Castro County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	873,000	44	2.90	4.35	26	2.4	3.57	0	0	0	8	3.26	6.52	53	4.71	2.35	74.27	4.02	19990.00	6.50	27.33	988
111000020	11	City of Ingram Drainage Improvements Study	Ingram	Study of solutions to upgrade existing storm drainage infrastructure to reduce the potential impacts of future flood events.	Watershed planning	100,000	369	4.28	6.42	470	4.1	6.19	1	0.67	1.68	8	3.26	6.52	0	0	0	8.01	2.24	532.55	4.28	27.32	989
081001037	8	Improve Undersized Storm Sewers in Carter Creek DB	Bryan	Update modeling to Atlas 14 to determine appropriate sizing for storm sewer in the region.	Project planning	100,000	190	3.85	5.78	491	4.2	6.23	1	0.67	1.68	6	2.93	5.85	48	4.61	2.30	4.95	1.85	184.29	3.63	27.32	990
011000034	1	Ochiltree County FIS	Ochiltree County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	859,000	369	4.28	6.42	533	4.2	6.30	1	0.67	1.68	1	1.03	2.07	1	0.89	0.44	30.92	3.32	48149.86	7.04	27.28	991
011000061	1	Ochiltree County Drainage Master Plan	Ochiltree County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	369	4.28	6.42	533	4.2	6.30	1	0.67	1.68	1	1.03	2.07	1	0.89	0.44	30.92	3.32	48149.86	7.04	27.28	991
151000397	15	City of Lyford - Lyford detention and ditch improvement	Lyford	Clean up and maintain existing ditch as well as create additional detention on existing I Lateral	Project planning	49,415	556	4.55	6.82	1005	4.6	6.88	4	1.59	3.98	0	0	0	51	4.67	2.34	15.59	2.77	747.46	4.48	27.27	993
131000205	13	Risk Area 17 - Lost Creek & Nye & Peterson Farm	Robstown	Petronila creek overflows and inundates the whole area.	Project planning	150,000	61	3.11	4.67	1134	4.7	6.99	25	2.98	7.44	0	0	0	0	0	0	10.94	2.48	5130.44	5.67	27.25	994
081000678	8	Burton Creek Main Stem Improvements	Bryan	Channel and crossing improvements along Burton Creek mainstem from SH 6 to S Coulter Dr.	Project planning	514,000	348	4.24	6.37	1235	4.7	7.06	2	1.10	2.75	9	3.40	6.79	47	4.59	2.29	4.32	1.75	0.31	0.19	27.20	995
081001021	8	Burton Creek Extension of Flood Study	Bryan	Expansion of previous study to improve characterization of flood risk.	Watershed planning	71,000	348	4.24	6.37	1235	4.7	7.06	2	1.10	2.75	9	3.40	6.79	47	4.59	2.29	4.32	1.75	0.31	0.19	27.20	995
081001036	8	Improve Undersized Storm Sewers in Burton Creek DB	Bryan	Update modeling to Atlas 14 to determine appropriate sizing for storm sewer in the region.	Project planning	300,000	348	4.24	6.37	1235	4.7	7.06	2	1.10	2.75	9	3.40	6.79	47	4.59	2.29	4.32	1.75	0.31	0.19	27.20	995
061000555	6	HCMUD365 Cole Crossing Stormwater Detention and Water Quality Improvement Project	Harris County MUD 365	PER to further study and design the incorporation of additional mitigation volume and SWQ features in the existing Cole Crossing detention pond along Cypress Creek.	Project planning	100,000	1038	4.95	7.43	2445	5.1	7.68	17	2.68	6.71	0	0	0	0	0	0	16.05	2.79	31.34	2.54	27.15	998
051000021	5	Tyler County Update Flood Hazard Mapping	Tyler County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,800,000	545	4.53	6.80	278	3.8	5.72	0	0	0	8	3.26	6.52	8	2.80	1.40	41.88	3.56	81.64	3.13	27.13	999
051000042	5	Tyler County Master Drainage Plan	Tyler County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	700,000	545	4.53	6.80	278	3.8	5.72	0	0	0	8	3.26	6.52	8	2.80	1.40	41.88	3.56	81.64	3.13	27.13	999
061000246	6	City of Humble Master Drainage Plan	Humble	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	320,000	652	4.65	6.98	3460	5.3	8.00	5	1.76	4.40	1	1.03	2.07	1	0.89	0.44	16.96	2.84	25.14	2.40	27.12	1,001
111000033	11	City of Kyle Prairie and Woodland Restoration Plan	Kyle	Prepare and implement a prairie or woodland restoration plan for 1 or more of Kyle's park properties. Selection of a municipal park where all or a portion of the site may be restored to a natural grassland or woodland	Watershed planning	250,000	422	4.37	6.55	1368	4.8	7.16	0	0	0	9	3.40	6.79	0	0	0	7.16	2.15	727.11	4.47	27.12	1,002
091000048	9	Irion County DMP	Irion County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	354	4.25	6.38	181	3.6	5.33	0	0	0	8	3.26	6.52	0	0	0	47.76	3.67	2460.40	5.22	27.11	1,003
091000049	9	Irion County FEMA Mapping	Schleicher County	Create FEMA Mapping in previously unmapped areas	Watershed planning	962,000	354	4.25	6.38	181	3.6	5.33	0	0	0	8	3.26	6.52	0	0	0	47.76	3.67	2460.40	5.22	27.11	1,003
091000050	9	Irion County GIS Development	Irion County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	354	4.25	6.38	181	3.6	5.33	0	0	0	8	3.26	6.52	0	0	0	47.76	3.67	2460.40	5.22	27.11	1,003
051000160	5	South Taylor Regional Detention Basin	Jefferson County Drainage District 6	The project proposes a regional detention facility west of Heizig Road in the watersheds of both the North and South Forks of Taylors Bayou.	Project planning	75,000	1157	5.02	7.53	1382	4.8	7.17	0	0	0	1	1.03	2.07	1	0.89	0.44	86.51	4.15	5455.49	5.70	27.06	1,006
011000033	1	Lipscomb County FIS	Lipscomb County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	924,000	100	3.43	5.15	78	3.0	4.57	0	0	0	6	2.93	5.85	6	2.52	1.26	20.32	2.98	66275.20	7.24	27.05	1,007
011000060	1	Lipscomb County Drainage Master Plan	Lipscomb County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	100	3.43	5.15	78	3.0	4.57	0	0	0	6	2.93	5.85	6	2.52	1.26	20.32	2.98	66275.20	7.24	27.05	1,007
011000025	1	Parmer County FIS	Parmer County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	789,000	86	3.34	5.01	107	3.2	4.85	0	0	0	5	2.72	5.43	11	3.12	1.56	65.65	3.92	13564.47	6.26	27.04	1,009
101000174	10	Broadway at Backbone Creek Low Water Crossing	Marble Falls	This crossing frequently floods and is right by Marble Falls Elementary.	Project planning	100,000	202	3.89	5.84	966	4.6	6.84	1	0.67	1.68	6	2.93	5.85	0	0	0	4.77	1.82	1749.27	5.01	27.04	1,010
031000486	3	Floodplain Mapping Updates of Sharps Branch Tributary 3	Flower Mound	Floodplain mapping of Sharps Branch Tributary 3 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	59,000	124	3.57	5.36	306	3.9	5.80	53	3.55	8.87	0	0	0	0	0	0	20.69	3.00	338.92	4.00	27.03	1,011
041000086	4	Kaufman County Flood Hazard Mapping	Kaufman County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	3,500,000	79	3.28	4.92	100	3.2	4.79	0	0	0	3	2.14	4.27	3	1.84	0.92	2566.50	6.87	2566.50	5.24	27.02	1,012
061000541	6	51st Street Drainage Basin Pump Station Project	Galveston County	The project includes evaluation of storm drainage improvements including a pump station at 51st Street and Harborside that will help reduce flooding in the project area and the surrounding areas.	Project planning	9,000,000	1912	5.35	8.02	6139	5.7	8.51	23	2.91	7.28	0	0	0	0	0	0	26.48	3.19	0	0	27.01	1,013
031000288	3	Mountain Creek and Tribs Regulatory Floodplain Determination Study	Mansfield	Mapping study for Mountain Creek and Tribs through Mansfield ETJ.	Watershed planning	396,000	61	3.11	4.67	3205	5.3	7.93	0	0	0	14	3.91	7.83	0	0	0	4.26	1.74	1346.77	4.85	27.01	1,014
111000004	11	Caldwell County Emergency Service District #1 Drainage and Utility Plan	Caldwell County Emergency Service District #1	Develop a drainage and utility plan.	Watershed planning	100,000	136	3.63	5.45	289	3.8	5.75	0	0	0	13	3.83	7.65	0	0	0	10.85	2.48	4872.78	5.63	26.97	1,015
091000042	9	Hockley County DMP	Hockley County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	44	2.90	4.35	1553	4.8	7.27	3	1.38	3.46	2	1.69	3.39	0	0	0	42.32	3.57	1395.68	4.87	26.91	1,016
091000043	9	Hockley County FEMA Mapping	Lynn County	Update existing FEMA Mapping	Watershed planning	987,000	44	2.90	4.35	1553	4.8	7.27	3	1.38	3.46	2	1.69	3.39	0	0	0	42.32	3.57	1395.68	4.87	26.91	1,016
091000044	9	Hockley County GIS Development	Lynn County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	44	2.90	4.35	1553	4.8	7.27	3	1.38	3.46	2	1.69	3.39	0	0	0	42.32	3.57	1395.68	4.87	26.91	1,016
051000117	5	Main B Channel Improvements	Jefferson County Drainage District 7	H&H study to identify alternatives for Main B Channel	Project planning	100,000	876	4.84	7.26	4603	5.5	8.25	17	2.68	6.71	0	0	0	0	0	0	18.97	2.93	8.24	1.72	26.87	1,019
011000028	1	Armstrong County FIS	Armstrong County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	863,000	24	2.51	3.76	13	2.0	2.95	0	0	0	14	3.91	7.83	27	4.03	2.01	25.40	3.16	56990.50	7.14	26.86	1,020
091000132	9	Irion County Flood Early Warning System	Irion County	Install a flood early warning system along flood-prone waterways in unincorporated areas of the county.	Preparedness	10,000	359	4.26	6.40	312	3.9	5.82	0	0	0	23	4.50	8.99	23	3.87	1.93	50.00	3.71	0	0	26.85	1,021
081001204	8	Big Sandy Creek-New Year Creek DMP	Washington County	Drainage master plan developed under Task 4A to identify areas of high flood risk and develop flood mitigation solutions	Watershed planning	483,000	96	3.41	5.11	162	3.5	5.23	1	0.67	1.68	6	2.93	5.85	47	4.59	2.29	3.75	1.63	1856.47	5.04	26.84	1,022
041000019	4	Hopkins County Flood Hazard Mapping	Hopkins County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,550,000	156	3.72	5.58	92	3.1	4.72	0	0	0	5	2.72	5.43	5	2.33	1.17	48.44	3.68	13195.19	6.25	26.82	1,023
111000008	11	Canyon Regional Water Authority Hays Caldwell Water Treatment Plant Floodwall Project Planning	Canyon Regional Water Authority	Project planning for Canyon Regional WA - Hays Caldwell Water Treatment Plant Floodwall Project	Project planning	159,355	616	4.61	6.92	1644	4.9	7.32	2	1.10	2.75	5	2.72	5.43	0	0	0	5.72	1.97	26.27	2.43	26.82	1,024

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
151000270	15	City of Alamo - Original Town Site Drainage Improvements	Alamo	Provide drainage (bar ditch or curb and gutter) for original Alamo Town site	Project planning	100,571	1960	5.36	8.05	5951	5.7	8.49	3	1.38	3.46	0	0	0	0	0	0	33.59	3.39	135.75	3.44	26.81	1,025
031000098	3	Holiday Park North Drainage Study Update	Garland	Area 2	Project planning	90,000	117	3.54	5.31	52468	7.0	10.45	1	0.67	1.68	4	2.46	4.92	0	0	0	3.02	1.47	65.05	2.99	26.81	1,026
031000103	3	Brentwood Place-Two Worlds-Apollo East Park Village Drainage Study Update	Garland	Area 8	Project planning	50,000	117	3.54	5.31	52468	7.0	10.45	1	0.67	1.68	4	2.46	4.92	0	0	0	3.02	1.47	65.05	2.99	26.81	1,026
031000111	3	Camelot Drainage Study Update	Garland	Area 16	Project planning	50,000	117	3.54	5.31	52468	7.0	10.45	1	0.67	1.68	4	2.46	4.92	0	0	0	3.02	1.47	65.05	2.99	26.81	1,026
041000007	4	Upshur County Drainage Master Plan	Upshur County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	200,000	328	4.20	6.31	281	3.8	5.73	0	0	0	4	2.46	4.92	4	2.12	1.06	28.28	3.25	4148.17	5.54	26.79	1,029
071000026	7	Shackelford County Update FEMA Mapping	Shackelford County	Update existing FEMA mapping	Watershed planning	932,000	347	4.24	6.36	178	3.5	5.31	0	0	0	4	2.46	4.92	0	0	0	43.33	3.59	23798.98	6.61	26.79	1,030
071000071	7	Shackelford County DMP	Shackelford County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	347	4.24	6.36	178	3.5	5.31	0	0	0	4	2.46	4.92	0	0	0	43.33	3.59	23798.98	6.61	26.79	1,030
071000109	7	Shackelford County GIS Development	Shackelford County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	347	4.24	6.36	178	3.5	5.31	0	0	0	4	2.46	4.92	0	0	0	43.33	3.59	23798.98	6.61	26.79	1,030
071000187	7	Shackelford County DCM	Shackelford County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	347	4.24	6.36	178	3.5	5.31	0	0	0	4	2.46	4.92	0	0	0	43.33	3.59	23798.98	6.61	26.79	1,030
071000020	7	Floyd County Update FEMA Mapping	Floyd County	Update existing FEMA mapping	Watershed planning	1,116,000	116	3.53	5.30	99	3.2	4.78	0	0	0	4	2.46	4.92	0	0	0	254.52	5.01	28586.62	6.72	26.73	1,034
071000096	7	Floyd County GIS Development	Floyd County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	116	3.53	5.30	99	3.2	4.78	0	0	0	4	2.46	4.92	0	0	0	254.52	5.01	28586.62	6.72	26.73	1,034
071000163	7	Floyd County DCM	Floyd County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	116	3.53	5.30	99	3.2	4.78	0	0	0	4	2.46	4.92	0	0	0	254.52	5.01	28586.62	6.72	26.73	1,034
091000127	9	Spaulding St Storm Drain	Tom Green County	Raise Spaulding St. at East Angelo Draw by 5.4 feet and install (4) 9 x 8' box culverts under Spaulding; raise Bell St. at East Angelo Draw by 2.4 feet and install (4) 9 x8' culverts.	Other	25,000	2587	5.54	8.32	0	0	0	6	1.90	4.74	27	4.68	9.37	0	0	0	0	0	558.50	4.31	26.73	1,037
071000017	7	Castro County Update FEMA Mapping	Castro County	Update existing FEMA mapping	Watershed planning	870,000	51	3.00	4.50	82	3.1	4.61	0	0	0	6	2.93	5.85	0	0	0	280.90	5.09	23504.32	6.60	26.65	1,038
071000033	7	Castro County DMP	Castro County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	51	3.00	4.50	82	3.1	4.61	0	0	0	6	2.93	5.85	0	0	0	280.90	5.09	23504.32	6.60	26.65	1,038
071000089	7	Castro County GIS Development	Castro County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	51	3.00	4.50	82	3.1	4.61	0	0	0	6	2.93	5.85	0	0	0	280.90	5.09	23504.32	6.60	26.65	1,038
071000126	7	Castro County DCM	Castro County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	51	3.00	4.50	82	3.1	4.61	0	0	0	6	2.93	5.85	0	0	0	280.90	5.09	23504.32	6.60	26.65	1,038
091000140	9	Sulphur_Springs_Draw_Dam	Colorado River MWD	Perform a watershed-wide evaluation of the dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	14,500	603	4.60	6.90	383	4.0	6.01	0	0	0	0	0	0	0	0	0	925.37	6.05	138578.31	7.69	26.65	1,042
031000478	3	Floodplain Mapping Updates of Bakers Branch Tributary 1	Flower Mound	Floodplain mapping of Bakers Branch Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	526	4.51	6.77	516	4.2	6.27	45	3.42	8.56	0	0	0	0	0	0	36.97	3.46	6.35	1.56	26.63	1,043
081000047	8	Sugar Creek Drainage Improvements	Sugar Land	Design of storm drain updates throughout neighborhood.	Project planning	388,000	442	4.40	6.60	835	4.5	6.71	2	1.10	2.75	0	0	0	96	5.31	2.65	18.44	2.90	1687.17	4.98	26.60	1,044
081000060	8	Sugar Creek Regional Detention	Sugar Land	Update design to account for Atlas 14 rainfall.	Project planning	300,000	442	4.40	6.60	835	4.5	6.71	2	1.10	2.75	0	0	0	96	5.31	2.65	18.44	2.90	1687.17	4.98	26.60	1,044
081000075	8	Sugar Land MDP - Master Drainage Plan Updates	Sugar Land	Review comprehensive plan goals, update detention facility ownership and assets, consider funding mechanisms, evaluate ranking criteria.	Watershed planning	534,000	442	4.40	6.60	835	4.5	6.71	2	1.10	2.75	0	0	0	96	5.31	2.65	18.44	2.90	1687.17	4.98	26.60	1,044
081000091	8	Sugar Land Citywide Flood Prevention & Drainage Studies	Sugar Land	Study to determine how to replace B-8 inlets with C-2 or H2 inlets in areas of ponding and structural risk.	Project planning	219,000	442	4.40	6.60	835	4.5	6.71	2	1.10	2.75	0	0	0	96	5.31	2.65	18.44	2.90	1687.17	4.98	26.60	1,044
081000979	8	City of Sugar Land Flood Innundation Mapping	Sugar Land	Update of the Integrated Stormwater Management Model to include improvements to predictions in leveed areas.	Watershed planning	233,000	442	4.40	6.60	835	4.5	6.71	2	1.10	2.75	0	0	0	96	5.31	2.65	18.44	2.90	1687.17	4.98	26.60	1,044
071000007	7	Dickens County Initial FEMA Mapping	Dickens County	Create FEMA Mapping in previously unmapped areas	Watershed planning	919,000	195	3.87	5.80	125	3.3	4.99	1	0.67	1.68	2	1.69	3.39	0	0	0	111.88	4.35	15575.06	6.35	26.56	1,049
071000058	7	Dickens County DMP	Dickens County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	195	3.87	5.80	125	3.3	4.99	1	0.67	1.68	2	1.69	3.39	0	0	0	111.88	4.35	15575.06	6.35	26.56	1,049
071000093	7	Dickens County GIS Development	Dickens County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	195	3.87	5.80	125	3.3	4.99	1	0.67	1.68	2	1.69	3.39	0	0	0	111.88	4.35	15575.06	6.35	26.56	1,049
071000160	7	Dickens County DCM	Dickens County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	195	3.87	5.80	125	3.3	4.99	1	0.67	1.68	2	1.69	3.39	0	0	0	111.88	4.35	15575.06	6.35	26.56	1,049
031000400	3	Arlington Upper Village VC(A)-6 at Shorewood Drive Crossing Improvements	Arlington	Flood study improving Shorewood Drive Crossing using the fully developed condition as the effective maps.	Project planning	250,000	448	4.41	6.61	847	4.5	6.72	60	3.64	9.11	0	0	0	0	0	0	46.04	3.64	0.86	0.48	26.56	1,053
031000025	3	Montague County FEMA Mapping	Montague County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,203,000	37	2.79	4.19	9954	6.0	8.95	0	0	0	3	2.14	4.27	0	0	0	56.77	3.81	3015.10	5.34	26.55	1,054
051000109	5	Halbouty Add two pumps (open spots in structure)	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	251	4.03	6.05	1008	4.6	6.88	33	3.19	7.97	0	0	0	0	0	0	6.69	2.09	163.92	3.55	26.54	1,055
051000111	5	Main C Diversion - Build New Pump Station and Channel	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	251	4.03	6.05	1008	4.6	6.88	33	3.19	7.97	0	0	0	0	0	0	6.69	2.09	163.92	3.55	26.54	1,055
051000116	5	Main C Diversion Channel Improvements	Jefferson County Drainage District 7	H&H study to identify alternatives for Main C Diversion Channel	Project planning	100,000	251	4.03	6.05	1008	4.6	6.88	33	3.19	7.97	0	0	0	0	0	0	6.69	2.09	163.92	3.55	26.54	1,055
051000120	5	Halbouty Detention Pond Excavation	Jefferson County Drainage District 7	H&H study to identify additional detention required to expand existing level of service	Project planning	100,000	251	4.03	6.05	1008	4.6	6.88	33	3.19	7.97	0	0	0	0	0	0	6.69	2.09	163.92	3.55	26.54	1,055
071000030	7	Throckmorton County Update FEMA Mapping	Throckmorton County	Update existing FEMA mapping	Watershed planning	1,010,000	98	3.42	5.13	67	3.0	4.43	0	0	0	6	2.93	5.85	0	0	0	65.27	3.92	63522.13	7.21	26.54	1,059
071000076	7	Throckmorton County DMP	Throckmorton County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	98	3.42	5.13	67	3.0	4.43	0	0	0	6	2.93	5.85	0	0	0	65.27	3.92	63522.13	7.21	26.54	1,059
071000115	7	Throckmorton County GIS Development	Throckmorton County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	98	3.42	5.13	67	3.0	4.43	0	0	0	6	2.93	5.85	0	0	0	65.27	3.92	63522.13	7.21	26.54	1,059
071000199	7	Throckmorton County DCM	Throckmorton County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	98	3.42	5.13	67	3.0	4.43	0	0	0	6	2.93	5.85	0	0	0	65.27	3.92	63522.13	7.21	26.54	1,059
041000055	4	North Airport Retention Pond	Greenville	Feasibility Study of North Airport Retention Pond	Project planning	640,000	489	4.46	6.70	1702	4.9	7.35	3	1.38	3.46	0	0	0	0	0	0	28.95	3.27	5956.82	5.76	26.53	1,063
101000063	10	Stormwater Diversion Project	Edna	Develop stormwater diversion project through town	Project planning	200,000	1223	5.06	7.59	1908	5.0	7.46	2	1.10	2.75	1	1.03	2.07	0	0	0	26.26	3.19	137.26	3.44	26.49	1,064
101000127	10	Wastewater Treatment Plant Flooding	Edna	Wastewater Treatment Plant Floodproofing	Project planning	200,000	1223	5.06	7.59	1908	5.0	7.46	2	1.10	2.75	1	1.03	2.07	0	0	0	26.26	3.19	137.26	3.44	26.49	1,064
101000188	10	City-wide Drainage Master Plan (integrate with Dry Creek Study)	Edna	Develop a City-wide Drainage Master Plan focused on local drainage issues. This plan will merge with the regional FIF study of Dry Creek	Watershed planning	400,000	1223	5.06	7.59	1908	5.0	7.46	2	1.10	2.75	1	1.03	2.07	0	0	0	26.26	3.19	137.26	3.44	26.49	1,064
031000390	3	Arlington Mayfield Road Channel & Culvert Improvements at Tributary NF-1	Arlington	Study to improve downstream channel improvements and constructing additonal barrels along Mayfield Road and North Fish Creek due to the increase in flows from the proposed storm drain improvements.	Project planning	154,000	743	4.74	7.10	736	4.4	6.60	41	3.35	8.38	0	0	0	0	0	0	32.64	3.36	2.65	1.04	26.49	1,067
051000144	5	Mayhaw Lateral Improvements	Jefferson County Drainage District 6	Rectify negative impacts to properties downstream of IH-10 caused by additional drainage crossings	Project planning	2,200,000	401	4.34	6.50	534	4.2	6.31	0	0	0	3	2.14	4.27	3	1.84	0.92	28.05	3.24	2479.47	5.22	26.46	1,068

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
091000146	9	I20_Drainage_System	Entity ID 09000151 not found in Entities feature class	G: Some excavation/ fill reshaping completed. County needs to acquire a downstream easement; H: Acquire easement from cotton field to an existing caliche pit, Cotton field, and easement and construct minor channel; I: enlarge or deepen Lower South Draw	Project planning	25,000	1273	5.08	7.63	2556	5.1	7.72	3	1.38	3.46	0	0	0	0	0	0	59.98	3.85	241.73	3.79	26.45	1,069
061000283	6	City of South Houston Master Drainage Plan	South Houston	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	210,000	1420	5.15	7.73	6432	5.7	8.56	22	2.88	7.20	0	0	0	0	0	0	19.36	2.94	0	0	26.43	1,070
151000102	15	City of Rio Grande City	Rio Grande City	Develop Flood risk maps for the city of Rio Grande City and develop CIP	Watershed planning	250,000	789	4.77	7.16	3037	5.3	7.88	3	1.38	3.46	0	0	0	0	0	0	27.68	3.23	1015.78	4.67	26.40	1,071
101000136	10	Highway Drainage	Jones Creek	Highway 36 drainage ditches to be widened/reshaped, upgrade culverts	Project planning	100,000	999	4.93	7.39	1420	4.8	7.19	3	1.38	3.46	0	0	0	0	0	0	23.10	3.08	2546.68	5.24	26.36	1,072
121000114	12	Low Water Crossing Upgrades	Karnes County	Prioritize low water crossings within Karnes County and upgrade with higher level of flood protection, warnings, and signage	Watershed planning	305,000	340	4.23	6.34	422	4.1	6.09	0	0	0	0	0	0	757	7.39	3.70	58.80	3.84	16557.20	6.38	26.35	1,073
121000160	12	Update flood information and policies	Karnes County	Study to compile information on residential property in flood zones, establish a volunteer acquisition / elevation program based on FEMA protocol in association with SARA studies, and review permitting process based on the 100-year flood event	Project planning	100,000	340	4.23	6.34	422	4.1	6.09	0	0	0	0	0	0	757	7.39	3.70	58.80	3.84	16557.20	6.38	26.35	1,073
011000177	1	Canyon Drainage Master Plan	Canyon, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects, with a focus on downtown Canyon. Project identified from HMAP	Watershed planning	250,000	206	3.90	5.86	823	4.5	6.70	0	0	0	7	3.10	6.21	7	2.67	1.33	14.99	2.74	150.26	3.50	26.33	1,075
011000178	1	Improve Storm Water Drainage and Control Systems (City of Canyon)	Canyon, Randall	Initiate a centralized data collection program to identify recurring flooding locations based on citizen complaints and road maintenance logs; selected based on stakeholder feedback	Other	50,000	206	3.90	5.86	823	4.5	6.70	0	0	0	7	3.10	6.21	7	2.67	1.33	14.99	2.74	150.26	3.50	26.33	1,075
131000200	13	Risk Area 08 - North Robstown	Robstown	Low terrain spots and roads create excess ponding from flow that makes it's way into the North Robstown area and is unable to properly drain out.	Project planning	150,000	234	3.99	5.98	615	4.3	6.43	20	2.81	7.02	0	0	0	0	0	0	8.99	2.33	828.13	4.55	26.31	1,077
031000290	3	Rock Creek Watershed Study	Burleson	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Watershed planning	100,000	88	3.35	5.03	2120	5.0	7.55	0	0	0	14	3.91	7.83	0	0	0	3.17	1.50	636.59	4.39	26.30	1,078
061000234	6	City of Deer Park Master Drainage Plan	Deer Park	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	320,000	469	4.44	6.66	7734	5.8	8.72	6	1.90	4.74	1	1.03	2.07	1	0.89	0.44	9.12	2.34	4.11	1.30	26.27	1,079
031000087	3	Montague County DMP	Montague County	Evaluate County and identify future projects.	Watershed planning	500,000	38	2.81	4.21	9954	6.0	8.95	0	0	0	3	2.14	4.27	0	0	0	56.77	3.81	1770.86	5.01	26.25	1,080
071000004	7	Callahan County Initial FEMA Mapping	Callahan County	Create FEMA Mapping in previously unmapped areas	Watershed planning	895,000	81	3.30	4.95	86	3.1	4.65	0	0	0	12	3.73	7.47	0	0	0	56.15	3.80	3073.51	5.35	26.22	1,081
071000032	7	Callahan County DMP	Callahan County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	81	3.30	4.95	86	3.1	4.65	0	0	0	12	3.73	7.47	0	0	0	56.15	3.80	3073.51	5.35	26.22	1,081
071000088	7	Callahan County GIS Development	Callahan County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	81	3.30	4.95	86	3.1	4.65	0	0	0	12	3.73	7.47	0	0	0	56.15	3.80	3073.51	5.35	26.22	1,081
071000124	7	Callahan County Buyout Program	Callahan County	Develop a land acquisition program in flood hazard areas.	Project planning	2,000,000	81	3.30	4.95	86	3.1	4.65	0	0	0	12	3.73	7.47	0	0	0	56.15	3.80	3073.51	5.35	26.22	1,081
071000125	7	Callahan County DCM	Callahan County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	81	3.30	4.95	86	3.1	4.65	0	0	0	12	3.73	7.47	0	0	0	56.15	3.80	3073.51	5.35	26.22	1,081
031000173	3	West Bridgeport Creek Channelization and Drainage Project	Bridgeport	West Bridgeport Creek Channelization and Drainage Project Feasibility Assessment.	Project planning	150,000	121	3.56	5.34	5549	5.6	8.42	1	0.67	1.68	2	1.69	3.39	0	0	0	6.75	2.10	2778.06	5.29	26.22	1,086
061000354	6	Halls Bayou Drainage Project Bond C-26 & C-27	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. FIF application information unavailable.	Project planning	30,000	1431	5.16	7.74	4495	5.5	8.23	8	2.11	5.28	1	1.03	2.07	1	0.89	0.44	9.65	2.38	0	0	26.15	1,087
061000397	6	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Harris County Flood Control District	This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)	Project planning	30,000	1431	5.16	7.74	4495	5.5	8.23	8	2.11	5.28	1	1.03	2.07	1	0.89	0.44	9.65	2.38	0	0	26.15	1,087
031000495	3	Floodplain Mapping Updates of TC-2 Tributary 2	Flower Mound	Floodplain mapping of TC-2 Tributary 2 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	388	4.31	6.47	650	4.3	6.48	41	3.35	8.38	0	0	0	0	0	0	44.94	3.62	3.14	1.14	26.10	1,089
051000003	5	Chambers County Update Flood Hazard Mapping	Chambers County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	652,546	1175	5.03	7.55	1128	4.7	6.98	0	0	0	0	0	0	0	0	0	161.62	4.65	36932.59	6.88	26.06	1,090
051000025	5	Chambers County Master Drainage Plan	Chambers County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,600,000	1175	5.03	7.55	1128	4.7	6.98	0	0	0	0	0	0	0	0	0	161.62	4.65	36932.59	6.88	26.06	1,090
021000045	2	Update to City of Paris Comprehensive Stormwater Plan Study	City of Paris	Comprehensive Hydrologic and Hydraulic study to evaluate drainage improvements along 5th St., 7th St., Trail de Paris, E. Sycamore, 31st St., Wilburn St., and 4th St.	Project planning	250,000	612	4.61	6.91	1854	5.0	7.43	9	2.20	5.50	0	0	0	0	0	0	12.81	2.61	164.33	3.56	26.02	1,092
141000033	14	Develop city-wide drainage study and stormwater master plan for City of Socorro	Socorro city, El Paso County	Develop city-wide drainage study and stormwater master plan for Socorro. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	Project planning	73,000	2578	5.54	8.31	7825	5.8	8.73	0	0	0	0	0	0	0	0	0	43.73	3.60	3083.54	5.35	26.00	1,093
151000359	15	City of San Benito - South Rail Drainage	San Benito	South of R.R. -Drainage improvement and flood elevation measures	Project planning	792,942	1037	4.95	7.43	3003	5.2	7.87	1	0.67	1.68	0	0	0	29	4.10	2.05	24.20	3.12	259.72	3.84	25.98	1,094
031000115	3	Garvon West, Innovation & Kingsley Ind. Park Drainage Study Update	Garland	Area 20	Project planning	150,000	219	3.94	5.91	27804	6.6	9.88	1	0.67	1.68	9	3.40	6.79	0	0	0	3.68	1.62	0.11	0.07	25.96	1,095
051000163	5	Channel 100-A Concrete Repair	Jefferson County Drainage District 6	Conduct repairs and install improvements to Channel 100-A located within the city of Beaumont.	Project planning	75,000	1622	5.24	7.86	7388	5.8	8.68	9	2.20	5.50	0	0	0	0	0	0	23.86	3.11	1.69	0.80	25.95	1,096
061000194	6	White Oak Bayou - Turkey Gully E106-00-00	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Further study of channel improvements from partnership project to restore channel conveyance including Atlas 14 rainfalls.	Project planning	1,330,000	2537	5.53	8.30	8056	5.8	8.76	6	1.90	4.74	0	0	0	0	0	0	26.57	3.20	2.18	0.93	25.93	1,097
061000540	6	South Shore Drainage Pump Station	Galveston County	Project includes analysis to bring the existing storm sewer into compliance with updated drainage criteria along with the evaluation and design of a pump station.	Project planning	5,000,000	1718	5.28	7.92	4031	5.4	8.13	14	2.54	6.34	0	0	0	0	0	0	29.61	3.28	0.41	0.24	25.92	1,098
031000352	3	City of Hutchins DMP	Hutchins	Evaluate city and identify future projects.	Project planning	250,000	45	2.92	4.38	6952	5.8	8.63	1	0.67	1.68	8	3.26	6.52	0	0	0	2.23	1.24	140.39	3.46	25.90	1,099
051000149	5	Feasibility Assessment of Widening and Deepening Segments of Tiger Creek	Orange County Drainage District	H&H Study to analyze most efficient alternatives for constructing improvements to segments of Tiger Creek.	Project planning	150,000	848	4.82	7.23	1268	4.7	7.09	0	0	0	5	2.72	5.43	5	2.33	1.17	17.36	2.85	15.31	2.10	25.87	1,100
051000150	5	Feasibility Assessment of Construction of a Stormwater Detention Pond Adjacent to Tiger Creek	Orange County Drainage District	H&H Study to analyze most efficient alternatives for constructing a stormwater detention pond in the vicinity of Tiger Creek.	Project planning	100,000	848	4.82	7.23	1268	4.7	7.09	0	0	0	5	2.72	5.43	5	2.33	1.17	17.36	2.85	15.31	2.10	25.87	1,100
131000065	13	Uvalde City-wide Drainage Study	Uvalde	Uvalde City-wide Drainage study to further define existing flood risk and to recommend flood risk reduction measures.	Watershed planning	250,000	176	3.80	5.70	543	4.2	6.32	2	1.10	2.75	6	2.93	5.85	38	4.37	2.19	2.85	1.42	7.10	1.63	25.86	1,102
071000140	7	City of Haskell Relocate Critical Facilities High Hazard	Haskell	Relocate critical facilities out of high hazard areas.	Project planning	1,000,000	181	3.82	5.73	324	3.9	5.85	1	0.67	1.68	11	3.63	7.26	0	0	0	14.00	2.68	37.44	2.65	25.85	1,103
131000138	13	Sinton Repetitive Loss Property Reduction	Sinton	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #13: Identify and implement feasible actions to reduce risk for repetitive loss propertie s.	Other	159,000	762	4.75	7.13	2145	5.0	7.56	2	1.10	2.75	0	0	0	87	5.21	2.60	15.07	2.74	69.11	3.02	25.81	1,104
141000026	14	Develop city-wide drainage study and stormwater master plan for Monahans/ Southwest Sandhill	Monahans city, Southwest Sandhill CDP, Ward County	Develop drainage study and stormwater master plan for City of Monahans and Southwest Sandhill Census Designated Place. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	Project planning	104,000	1222	5.06	7.59	2550	5.1	7.72	1	0.67	1.68	0	0	0	38	4.37	2.19	51.27	3.73	57.44	2.91	25.81	1,105

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
151000326	15	Cameron County Drainage District No.1 - Cameron Park lateral improvements	Cameron County Drainage District 1	Clean, expand and define responsible party	Project planning	350,169	846	4.82	7.23	2546	5.1	7.72	1	0.67	1.68	0	0	0	101	5.36	2.68	26.58	3.20	107.26	3.29	25.79	1,106
051000159	5	Mayhaw Bayou Regional Detention Basin	Jefferson County Drainage District 6	The project proposes conveyance improvements along Mayhaw Bayou and tributaries in the upper portion of the Mayhaw Bayou watershed (between IH10 and SH124) via widening and deepening of the existing channels.	Project planning	75,000	367	4.28	6.42	493	4.2	6.23	0	0	0	3	2.14	4.27	3	1.84	0.92	23.07	3.08	1373.10	4.86	25.78	1,107
061000266	6	City of Nassau Bay Master Drainage Plan	Nassau Bay	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	180,000	1021	4.94	7.41	5328	5.6	8.39	18	2.73	6.82	0	0	0	0	0	0	17.53	2.86	0.51	0.30	25.78	1,108
061000441	6	Addicks Reservoir - Design and Construction of a Bridge Replacement for Greenhouse Road at South Mayde Creek	Harris County Flood Control District	Develop BCA to become a FMP. This project is part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 1% rainfall event.	Project planning	30,000	692	4.69	7.03	2455	5.1	7.69	12	2.42	6.05	0	0	0	0	0	0	11.65	2.53	27.30	2.45	25.76	1,109
091000015	9	City of Snyder DMP	Borden County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	250,000	445	4.40	6.60	1365	4.8	7.15	1	0.67	1.68	3	2.14	4.27	0	0	0	20.62	2.99	70.47	3.04	25.73	1,110
091000092	9	Scurry County USACE Flood Study	Scurry County	Comprehensive study of flood risk and reduction alternatives, with the assistance of the USACE.	Watershed planning	2,000,000	445	4.40	6.60	1365	4.8	7.15	1	0.67	1.68	3	2.14	4.27	0	0	0	20.62	2.99	70.47	3.04	25.73	1,110
091000093	9	Sterling County DMP	Sterling County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	179	3.81	5.72	172	3.5	5.28	0	0	0	7	3.10	6.21	0	0	0	29.67	3.29	2289.67	5.17	25.67	1,112
091000094	9	Sterling County FEMA Mapping	Sterling County	Create FEMA Mapping in previously unmapped areas	Watershed planning	897,000	179	3.81	5.72	172	3.5	5.28	0	0	0	7	3.10	6.21	0	0	0	29.67	3.29	2289.67	5.17	25.67	1,112
091000095	9	Sterling County GIS Development	Sterling County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	179	3.81	5.72	172	3.5	5.28	0	0	0	7	3.10	6.21	0	0	0	29.67	3.29	2289.67	5.17	25.67	1,112
021000065	2	South Sulphur River Log Jams	Sulphur River Basin Authority	Log and debris jams along South Sulphur River near FM 71	Preparedness	550,000	322	4.19	6.29	927	4.5	6.80	3	1.38	3.46	0	0	0	0	0	0	49.37	3.70	2977.44	5.33	25.58	1,115
151000456	15	City of La Villa - Holistic HUC Flood Protection Study	La Villa	Develop flood risk maps for the City of La Villa and develop CIP.	Watershed planning	1,500,000	423	4.37	6.55	1882	5.0	7.45	2	1.10	2.75	1	1.03	2.07	0	0	0	8.69	2.30	695.95	4.44	25.56	1,116
021000011	2	Camp County FIS	Camp County	Develop FIS for the County	Watershed planning	465,000	256	4.04	6.07	429	4.1	6.11	4	1.59	3.98	1	1.03	2.07	0	0	0	29.89	3.29	359.07	4.03	25.55	1,117
031000014	3	Hill County FEMA Mapping	Hill County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,272,000	127	3.59	5.38	5069	5.6	8.34	0	0	0	1	1.03	2.07	0	0	0	24.10	3.12	24894.73	6.64	25.55	1,118
151000030	15	South Padre Island #6	South Padre Island	Upgrade undersized culverts throughout the Island to increase capacity and reduce flood risk	Project planning	1,848,000	894	4.86	7.28	2387	5.1	7.66	3	1.38	3.46	0	0	0	143	5.71	2.86	26.64	3.20	2.88	1.09	25.55	1,119
061000556	6	Brookshire-Katy Drainage District Watershed Study	Brookshire Katy Drainage District	Study to expand on the recently completed existing conditions model assessment. Conduct a needs assessment and identify mitigation solutions (FMPs) to be incorporated into the flood plan.	Project planning	500,000	217	3.94	5.91	594	4.3	6.40	2	1.10	2.75	2	1.69	3.39	2	1.46	0.73	6.64	2.09	522.13	4.26	25.52	1,120
091000142	9	I20_Playa_to_Pit	Entity ID 09000151 not found in Entities feature class	Ridgewood Outfall: Outfall Pipe from Retention basin to playa south of Business 20; OIME Outfall: Pipe to connect playa, caliche pit to I-20; Faudree South Outfall: Need to acquire caliche pit in the center	Project planning	25,000	1782	5.30	7.95	2550	5.1	7.72	3	1.38	3.46	0	0	0	0	0	0	75.86	4.04	22.52	2.34	25.51	1,121
071000015	7	Parmer County Initial FEMA Mapping	Parmer County	Create FEMA Mapping in previously unmapped areas	Watershed planning	787,000	51	3.00	4.50	47	2.7	4.11	0	0	0	5	2.72	5.43	0	0	0	343.33	5.26	11929.71	6.18	25.48	1,122
071000069	7	Parmer County DMP	Parmer County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	51	3.00	4.50	47	2.7	4.11	0	0	0	5	2.72	5.43	0	0	0	343.33	5.26	11929.71	6.18	25.48	1,122
071000107	7	Parmer County GIS Development	Parmer County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	51	3.00	4.50	47	2.7	4.11	0	0	0	5	2.72	5.43	0	0	0	343.33	5.26	11929.71	6.18	25.48	1,122
071000184	7	Parmer County DCM	Parmer County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	51	3.00	4.50	47	2.7	4.11	0	0	0	5	2.72	5.43	0	0	0	343.33	5.26	11929.71	6.18	25.48	1,122
031000126	3	Wheeler Creek Channelization Study	Gainesville	Evaluate channelization of Wheeler Creek to reduce flooding in the west side of town.	Project planning	125,000	347	4.24	6.36	14698	6.2	9.30	0	0	0	1	1.03	2.07	0	0	0	13.17	2.63	2058.05	5.11	25.47	1,126
131000130	13	Portland Stream Gauges	Portland	San Patricio County Hazard Mitigation Action Plan - City of Portland, Action #5 Identify and install stream and rain gauges at critical sites, upgrade gauges at established sites where necessary, coordinate installation requests.	Project planning	2,000	285	4.11	6.17	600	4.3	6.41	3	1.38	3.46	0	0	0	87	5.21	2.60	19.09	2.93	267.55	3.85	25.43	1,127
021000059	2	Marion County Barriers	Marion County	Install low water crossing barriers, similar to railroad crossing barriers.	Preparedness	100,000	313	4.17	6.26	360	4.0	5.95	4	1.59	3.98	1	1.03	2.07	0	0	0	48.03	3.67	137.31	3.44	25.38	1,128
021000016	2	Marion County FIS	Marion County	Develop FIS for the County	Watershed planning	851,000	313	4.17	6.26	360	4.0	5.95	4	1.59	3.98	1	1.03	2.07	0	0	0	48.03	3.67	137.30	3.44	25.38	1,129
051000084	5	City of Vidor Drainage Improvements	Orange County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	100,000	541	4.53	6.79	1143	4.7	6.99	1	0.67	1.68	5	2.72	5.43	5	2.33	1.17	13.11	2.63	1.10	0.58	25.27	1,130
091000051	9	Lynn County DMP	Borden County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	340	4.23	6.34	347	3.9	5.92	1	0.67	1.68	0	0	0	0	0	0	152.00	4.60	25468.81	6.65	25.18	1,131
091000052	9	Lynn County FEMA Mapping	Borden County	Create FEMA Mapping in previously unmapped areas	Watershed planning	780,000	340	4.23	6.34	347	3.9	5.92	1	0.67	1.68	0	0	0	0	0	0	152.00	4.60	25468.81	6.65	25.18	1,131
031000399	3	Arlington Upper Village VC(A)-4 at Orchard Hill Drive Crossing Improvements	Arlington	Proposed crossing improvements at Shorewood Drive.	Project planning	250,000	521	4.50	6.76	1101	4.6	6.96	39	3.32	8.29	0	0	0	0	0	0	20.19	2.98	0.28	0.17	25.15	1,133
041000023	4	City of Newton Drainage Master Plan	Newton	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	100,000	96	3.41	5.11	164	3.5	5.24	17	2.68	6.71	2	1.69	3.39	2	1.46	0.73	2.68	1.38	33.13	2.57	25.13	1,134
041000024	4	Newton Drainage Master Plan	Newton	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	400,000	96	3.41	5.11	164	3.5	5.24	17	2.68	6.71	2	1.69	3.39	2	1.46	0.73	2.68	1.38	33.13	2.57	25.13	1,134
111000047	11	City of New Braunfels Hunters Creek Regional Project Planning	New Braunfels	Study to analyze drainage conveyance and flooding issues within the Hunters Creek area including the detention facility for the Westpointe development and project planning for solutions within project area.	Watershed planning	211,000	350	4.25	6.37	1463	4.8	7.22	0	0	0	6	2.93	5.85	0	0	0	5.06	1.87	232.99	3.77	25.08	1,136
111000144	11	City of New Braunfels Wood Road/Landa Street Drainage Improvement	New Braunfels	Project planning for drainage improvement project to capture runoff east of Walnut Avenue and detains it in a 12-acre detention pond with 144 acre-feet of storage capacity. The pond outfall structure discharges to an existing channel south of Wood Road.	Project planning	3,575,700	350	4.25	6.37	1463	4.8	7.22	0	0	0	6	2.93	5.85	0	0	0	5.06	1.87	232.99	3.77	25.08	1,136
101000163	10	Jones Brothers Park Flooding	Jonestown	Study area/ infrastructure often flooded during large storm events. Could also potentially be a buyout situation	Project planning	100,000	297	4.14	6.21	397	4.0	6.04	0	0	0	7	3.10	6.21	0	0	0	3.91	1.67	1595.41	4.95	25.07	1,138
031000194	3	Great Southwest Parkway at Cottonwood Creek Bridge and Roadway Raising Improvements (Stream Station 104+64)	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $9,538,300	Project planning	477,000	61	3.11	4.67	23402	6.5	9.72	1	0.67	1.68	5	2.72	5.43	0	0	0	2.73	1.39	16.43	2.14	25.04	1,139
031000196	3	Carrier Parkway at Cottonwood Creek and South Fork Cottonwood Creek - Bridges	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $18,164,400	Project planning	908,000	61	3.11	4.67	23402	6.5	9.72	1	0.67	1.68	5	2.72	5.43	0	0	0	2.73	1.39	16.43	2.14	25.04	1,139
031000222	3	WE Roberts St & SW 16th St	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,625,900	Project planning	250,000	61	3.11	4.67	23402	6.5	9.72	1	0.67	1.68	5	2.72	5.43	0	0	0	2.73	1.39	16.43	2.14	25.04	1,139
031000233	3	Various Streets and Alleys from Dallas Street West of NW 20th Street to Ditch Just South of WE Roberts Street	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $10,656,800	Project planning	533,000	61	3.11	4.67	23402	6.5	9.72	1	0.67	1.68	5	2.72	5.43	0	0	0	2.73	1.39	16.43	2.14	25.04	1,139

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000236	3	South Great Southwest Parkway from Sherman to Cottonwood Creek	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $6,881,500	Project planning	250,000	61	3.11	4.67	23402	6.5	9.72	1	0.67	1.68	5	2.72	5.43	0	0	0	2.73	1.39	16.43	2.14	25.04	1,139
031000241	3	North Fork of Cottonwood Creek Stabilization	Grand Prairie	from Great Southwest to Carrier; Estimated construction cost of $214,900	Project planning	250,000	61	3.11	4.67	23402	6.5	9.72	1	0.67	1.68	5	2.72	5.43	0	0	0	2.73	1.39	16.43	2.14	25.04	1,139
031000488	3	Floodplain Mapping Updates of Stream SB-1 Tributary 1	Flower Mound	Floodplain mapping of Stream SB-1 Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	60,000	58	3.08	4.62	17	2.1	3.19	163	4.40	11.01	0	0	0	0	0	0	11.22	2.50	210.85	3.71	25.03	1,145
061000094	6	City of Sante Fe - Storm Water Detention & Widening Drainage System and Cuvlerts Study	Santa Fe	Study to plan for storm sewer detention and drainage system modifications.	Project planning	300,000	399	4.33	6.50	748	4.4	6.61	0	0	0	9	3.40	6.79	9	2.92	1.46	4.13	1.71	12.13	1.96	25.03	1,146
061000164	6	Storm Water Detention Ponds Evalution in the City of Santa Fe	Santa Fe	Further study to determine detention ponds/basin could be solution for addressing flood impacts.	Project planning	380,000	399	4.33	6.50	748	4.4	6.61	0	0	0	9	3.40	6.79	9	2.92	1.46	4.13	1.71	12.13	1.96	25.03	1,146
061000165	6	Drainage System Analysis for City of Santa Fe	Santa Fe	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	Project planning	300,000	399	4.33	6.50	748	4.4	6.61	0	0	0	9	3.40	6.79	9	2.92	1.46	4.13	1.71	12.13	1.96	25.03	1,146
061000279	6	City of Santa Fe Master Drainage Plan	Santa Fe	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	380,000	399	4.33	6.50	748	4.4	6.61	0	0	0	9	3.40	6.79	9	2.92	1.46	4.13	1.71	12.13	1.96	25.03	1,146
031000499	3	Floodplain Mapping Updates of Timber Creek Tributary 11	Flower Mound	Floodplain mapping of Timber Creek Tributary 11 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	384	4.31	6.46	881	4.5	6.76	38	3.30	8.24	0	0	0	0	0	0	37.01	3.46	0.15	0.09	25.01	1,150
031000230	3	River Ridge Boulevard	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $6,148,800	Project planning	307,000	32	2.70	4.04	45650	6.9	10.33	0	0	0	4	2.46	4.92	0	0	0	6.28	2.04	197.25	3.67	25.00	1,151
061000423	6	North Alexander Drainage Improvements	Baytown	Further study to develop this project into a FMP. This CDBG-MIT application involves the installation and construction of various storm sewer and detention infrastructure.	Project planning	30,000	550	4.54	6.81	1514	4.8	7.25	7	2.01	5.03	0	0	0	0	0	0	13.83	2.67	98.25	3.24	25.00	1,152
081001298	8	Nolanville Drainage Master Plan	Nolanville	Atlas 14 H&H modeling and CIP development. Focus on developing BCAs and prioritization plan.	Project planning	200,000	96	3.41	5.11	125	3.3	4.99	1	0.67	1.68	3	2.14	4.27	50	4.65	2.33	7.00	2.13	610.10	4.36	24.86	1,153
081000061	8	Sugar Land Business Park Regional Detention	Sugar Land	Update design to account for Atlas 14 rainfall.	Project planning	300,000	195	3.87	5.80	726	4.4	6.58	2	1.10	2.75	0	0	0	77	5.09	2.54	12.57	2.60	856.66	4.57	24.84	1,154
061000543	6	Gum Bayou Drainage Improvements	League City	Widen Gum Bayou from approximately SH 96 to the City's ETJ and create a new detention pond approximately 270 ac-ft in size.	Project planning	1,200,000	927	4.88	7.32	1357	4.8	7.15	6	1.90	4.74	0	0	0	0	0	0	18.41	2.90	41.57	2.71	24.82	1,155
151000132	15	Zapata County	Zapata County	Develop Flood risk maps for the county of Zapata and develop CIP	Watershed planning	250,000	369	4.28	6.42	706	4.4	6.56	1	0.67	1.68	0	0	0	0	0	0	36.16	3.44	25878.52	6.66	24.76	1,156
011000204	1	Upper Wolf Dams	Ochiltree County	Perform a watershed-wide evaluation of 1 dam to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	58,000	45	2.92	4.38	26	2.4	3.57	1	0.67	1.68	3	2.14	4.27	3	1.84	0.92	17.70	2.87	50017.90	7.06	24.75	1,157
131000016	13	Crystal City City-wide Drainage Study	Crystal City	Crystal City City-wide Drainage Study	Watershed planning	250,000	772	4.76	7.14	2376	5.1	7.66	3	1.38	3.46	0	0	0	82	5.15	2.57	16.20	2.80	2.96	1.11	24.74	1,158
151000455	15	City of Los Fresnos - Holistic HUC Flood Protection Study	Los Fresnos	Develop flood risk maps for the City of Los Fresnos and develop CIP.	Watershed planning	1,500,000	401	4.34	6.50	1488	4.8	7.23	3	1.38	3.46	0	0	0	4	2.12	1.06	13.39	2.65	224.87	3.75	24.65	1,159
031000318	3	Halls Branch at 1st Street	Lancaster	Evaluate bridge improvements for 1st Street over Halls Branch	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000319	3	Halls Branch at 4th Street	Lancaster	Evaluate bridge improvements for 4th Street over Halls Branch	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000320	3	Halls Branch at 6th Street	Lancaster	Evaluate bridge improvements for 6th Street over Halls Branch	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000321	3	Halls Branch at Cedar Street	Lancaster	Evaluate bridge improvements for Cedar Street over Halls Branch	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000322	3	Halls Branch at Main Street	Lancaster	Evaluate bridge improvements for Main Street over Halls Branch	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000323	3	Halls Branch at Redbud Lane	Lancaster	Evaluate bridge improvements for Redbud Lane over Halls Branch	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000335	3	Ten Mile Creek at Nokomis Road	Lancaster	Evaluate bridge improvements for Nokomis Road over Ten Mile Creek	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000336	3	Ten Mile Creek at Old Red Oak Road	Lancaster	Evaluate bridge improvements for Road over Ten Mile Creek at Old Red	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
031000337	3	Ten Mile Creek at SH 342	Lancaster	Evaluate bridge improvements for SH 342 over Ten Mile Creek	Project planning	250,000	67	3.18	4.76	3260	5.3	7.94	1	0.67	1.68	8	3.26	6.52	0	0	0	2.03	1.17	32.62	2.56	24.64	1,160
111000035	11	City of Lockhart Drainage Improvements Study	Lockhart	Study to identify Capital Improvements to Municipal Drainage System and study solutions to upgrade system to improve drainage capacity and reduce flood damages.	Watershed planning	2,400,000	62	3.13	4.69	187	3.6	5.36	2	1.10	2.75	6	2.93	5.85	0	0	0	5.87	1.99	344.07	4.01	24.64	1,169
031000479	3	Floodplain Mapping Updates of Bakers Branch Tributary 2	Flower Mound	Floodplain mapping of Bakers Branch Tributary 2 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	346	4.24	6.36	468	4.1	6.19	43	3.39	8.47	0	0	0	0	0	0	37.12	3.47	0.24	0.14	24.63	1,170
101000138	10	Dam Emergency Action Plan	Burnet	Dam Emergency Action Plan	Preparedness	50,000	187	3.84	5.76	514	4.2	6.27	0	0	0	8	3.26	6.52	0	0	0	4.18	1.72	589.16	4.34	24.61	1,171
111000045	11	City of New Braunfels Dry Comal Creek Tributary East Watershed Project Planning	New Braunfels	Study to analyze drainage conveyance and flooding issues within the Dry Comal Creek Tributaries East area (Kerlick Lane/Encino Drive/Mission Drive) and project planning for solutions within project area.	Watershed planning	344,000	347	4.24	6.36	1462	4.8	7.22	0	0	0	5	2.72	5.43	0	0	0	4.95	1.85	223.44	3.74	24.61	1,172
111000049	11	City of New Braunfels Dry Comal Creek West Watershed Project Planning	New Braunfels	Project planning for solutions to minimize flooding issues within the Cedar Elm Street, Landa-Madeline drainage area.	Watershed planning	126,000	347	4.24	6.36	1462	4.8	7.22	0	0	0	5	2.72	5.43	0	0	0	4.95	1.85	223.44	3.74	24.61	1,172
051000052	5	City of Jasper Master Drainage Plan	Jasper	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	440,000	171	3.78	5.67	1093	4.6	6.95	7	2.01	5.03	2	1.69	3.39	2	1.46	0.73	5.52	1.94	1.96	0.87	24.59	1,174
111000150	11	City of New Braunfels River Road (Lakeview Blvd – Loop 337) Low Water Crossing Project Planning	New Braunfels	Improve low water crossing access and multimodal connectivity. Includes a hydraulic bridge structure to improve access over the floodplain and the intersection at Lakeview Blvd. Possible coordination with Blieders Creek/German Creek Drainage Project.	Project planning	250,000	93	3.39	5.08	434	4.1	6.12	2	1.10	2.75	6	2.93	5.85	0	0	0	2.22	1.24	161.17	3.54	24.58	1,175
081000226	8	Bee Creek Basin Detention Pond	College Station	Design of detention facility to contain and mitigate flooding.	Project planning	111,000	66	3.17	4.75	217	3.7	5.49	1	0.67	1.68	8	3.26	6.52	19	3.67	1.84	2.13	1.21	75.05	3.07	24.55	1,176
061000426	6	Sawdust Road Bridge Elevation Project	Montgomery County	Further study of study, design, elevation, & replacement of the Sawdust Road Bridge to mitigate the risks associated with riverine flooding for the citizens residing in the Grogan's Point and Timberlakes - Timberridge Subdivisions.	Project planning	30,000	794	4.78	7.17	3432	5.3	7.99	5	1.76	4.40	0	0	0	0	0	0	18.38	2.90	15.16	2.09	24.55	1,177
051000014	5	Polk County Update Flood Hazard Mapping	Polk County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	375,054	84	3.32	4.98	321	3.9	5.85	0	0	0	8	3.26	6.52	8	2.80	1.40	16.80	2.83	62.19	2.96	24.54	1,178
051000035	5	Polk County Master Drainage Plan	Polk County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	150,021	84	3.32	4.98	321	3.9	5.85	0	0	0	8	3.26	6.52	8	2.80	1.40	16.80	2.83	62.19	2.96	24.54	1,178
071000043	7	City of Munday DMP	Munday	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	690	4.69	7.03	1065	4.6	6.93	4	1.59	3.98	0	0	0	0	0	0	19.82	2.96	182.70	3.62	24.53	1,180
071000144	7	City of Munday Flood Protection Lift Station Program	Munday	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	Project planning	100,000	690	4.69	7.03	1065	4.6	6.93	4	1.59	3.98	0	0	0	0	0	0	19.82	2.96	182.70	3.62	24.53	1,180
151000278	15	City of La Villa - Phase II - La Villa Detention Project	La Villa	Complete Phase II of the La Villa Regional Detention Project to allow for detention and improved detention ditches	Project planning	5,837,935	486	4.46	6.69	2592	5.2	7.73	2	1.10	2.75	0	0	0	0	0	0	11.99	2.56	1243.60	4.80	24.52	1,182
041000001	4	Parker Creek Corridor Study	Marshall	Study of Parker Creek Corridor	Project planning	380,000	598	4.59	6.89	4563	5.5	8.25	1	0.67	1.68	0	0	0	0	0	0	23.02	3.08	897.06	4.60	24.49	1,183
041000056	4	Parker Creek Detention Pond	Marshall	Feasibility Study of Parker Creek Detention Pond	Project planning	380,000	598	4.59	6.89	4563	5.5	8.25	1	0.67	1.68	0	0	0	0	0	0	23.02	3.08	897.06	4.60	24.49	1,183

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
111000018	11	City of Gonzales Tinsley Creek Improvement Project Planning	Gonzales	Project planning to upgrade aging infrastructure that was overwhelmed during Hurricane Harvey. Projects may include replacing box culvert bridges, replacing box culvert bridges with clear span bridges, and relocating utilities within the stream bed.	Project planning	600,000	403	4.34	6.51	758	4.4	6.62	0	0	0	5	2.72	5.43	0	0	0	7.47	2.18	202.32	3.68	24.42	1,185
111000019	11	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Gonzales	Project planning for proposed improvements along Tinsley Creek include replacing a low water crossing at Johnson Street, adding culverts under Johnson Street, and replacing box culvert crossings with free span bridge crossings at several streets.	Project planning	430,000	403	4.34	6.51	758	4.4	6.62	0	0	0	5	2.72	5.43	0	0	0	7.47	2.18	202.32	3.68	24.42	1,185
151000274	15	City of Donna - Donna - Hidalgo County Drainage District No.1 System Connection	Donna	Connect existing drainage line to Hidalgo County Drainage District No.1 System	Project planning	96,616	649	4.65	6.97	2629	5.2	7.75	3	1.38	3.46	0	0	0	0	0	0	14.52	2.71	157.23	3.53	24.42	1,187
031000116	3	Northlake & Castlewood Drainage Study Update	Garland	Area 21	Project planning	56,000	69	3.19	4.79	12685	6.1	9.17	1	0.67	1.68	3	2.14	4.27	0	0	0	2.34	1.28	95.84	3.22	24.41	1,188
031000056	3	City of Argyle DMP	Argyle	Evaluate City and identify future projects.	Watershed planning	250,000	57	3.07	4.61	4960	5.5	8.32	2	1.10	2.75	2	1.69	3.39	0	0	0	1.97	1.15	457.34	4.18	24.40	1,189
151000371	15	Cameron County Drainage District No.5 - Young Lateral - Wilson Main Tract Connection	Cameron County Drainage District 5	Connection of Young lateral to Wilson Main Tract.	Project planning	695,554	414	4.36	6.53	1100	4.6	6.96	2	1.10	2.75	0	0	0	25	3.95	1.98	5.30	1.91	515.89	4.26	24.38	1,190
151000446	15	City of Alton - Holistic HUC Flood Protection Study	Alton	Develop flood risk maps for the City of Alton and develop CIP.	Watershed planning	1,500,000	1755	5.29	7.94	4942	5.5	8.32	0	0	0	0	0	0	0	0	0	30.15	3.30	1215.44	4.78	24.34	1,191
031000295	3	City of Wilmer DMP	Wilmer	Evaluate City and identify future projects.	Watershed planning	250,000	71	3.21	4.82	1707	4.9	7.36	0	0	0	9	3.40	6.79	0	0	0	4.00	1.69	195.08	3.66	24.32	1,192
091000096	9	Taylor County GIS Development	Coleman County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	70	3.20	4.81	46	2.7	4.09	0	0	0	10	3.52	7.04	0	0	0	17.84	2.88	3752.04	5.47	24.29	1,193
091000097	9	Taylor County Dam Inspection Program	Coleman County	Annual dam inspection, partner with SWCD to help fund repairs and maintenance, partner with property owners to report new damage or erosion, and patrol for illegal dumping at dams.	Other	100,000	70	3.20	4.81	46	2.7	4.09	0	0	0	10	3.52	7.04	0	0	0	17.84	2.88	3752.04	5.47	24.29	1,193
091000099	9	Taylor County FEMA Mapping	Taylor County	Update Existing FEMA Mapping	Watershed planning	955,000	70	3.20	4.81	46	2.7	4.09	0	0	0	10	3.52	7.04	0	0	0	17.84	2.88	3752.04	5.47	24.29	1,193
091000098	9	Taylor County DMP	Runnels County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	70	3.20	4.81	46	2.7	4.09	0	0	0	10	3.52	7.04	0	0	0	17.84	2.88	3752.04	5.47	24.29	1,196
091000100	9	Taylor County Repetitive Loss Properties Study	Runnels County	Proposed evaluation of potential mitigation project for repetitive loss properties in Taylor County.	Project planning	100,000	70	3.20	4.81	46	2.7	4.09	0	0	0	10	3.52	7.04	0	0	0	17.84	2.88	3752.04	5.47	24.29	1,196
091000101	9	Taylor County USACE Comprehensive Flood Risk Study	Runnels County	Undertake a comprehensive study of flood risk and reduction alternatives, with the assistance of the US Army Corps of Engineering. Implement feasible alternative for flood reduction. Revise flood damage prevention ordinance to include flood risk areas ide	Watershed planning	2,000,000	70	3.20	4.81	46	2.7	4.09	0	0	0	10	3.52	7.04	0	0	0	17.84	2.88	3752.04	5.47	24.29	1,196
151000454	15	City of Mercedes - Holistic HUC Flood Protection Study	Mercedes	Develop flood risk maps for the City of Mercedes and develop CIP.	Watershed planning	1,500,000	594	4.59	6.88	1469	4.8	7.22	2	1.10	2.75	0	0	0	0	0	0	22.05	3.05	610.40	4.36	24.26	1,199
101000170	10	Marble Falls Creek Walk	Marble Falls	The creek walk would be on the Whitman Branch in Downtown Marble Falls. It would include flood reduction, pedestrian access/trails, and education	Project planning	100,000	80	3.29	4.94	821	4.5	6.69	0	0	0	14	3.91	7.83	0	0	0	2.07	1.19	171.42	3.58	24.22	1,200
061000205	6	Greens Bayou - P142-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for P142-00-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	250,000	997	4.93	7.39	3381	5.3	7.97	7	2.01	5.03	0	0	0	0	0	0	23.49	3.10	1.49	0.73	24.22	1,201
031000494	3	Floodplain Mapping Updates of Stream WC-4	Flower Mound	Floodplain mapping of Stream WC-4 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	59	3.09	4.64	95	3.2	4.74	29	3.09	7.72	0	0	0	0	0	0	34.63	3.41	206.29	3.69	24.21	1,202
061000405	6	Hunting Bayou Wallisville Outfall (H103-00-00) - Gellhorn Drive	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Diversion channel expansion for Gellhorn Drive flood reductions.	Project planning	30,000	396	4.33	6.49	9520	5.9	8.91	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	13.03	2.62	0.67	0.39	24.21	1,203
061000406	6	Hunting Bayou Wallisville Outfall (H103-00-00) - Denver Harbor	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Denver Harbor drainage system improvements.	Project planning	30,000	396	4.33	6.49	9520	5.9	8.91	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	13.03	2.62	0.67	0.39	24.21	1,203
111000030	11	City of Kerrville Jack Drive - Undersized Inlet Project Planning	Kerrville	Project planning for proposed street and drainage improvements project to relieve road and property flooding from occurring directly downstream of Jack Drive's existing undersized inlet.	Project planning	240,000	249	4.03	6.04	852	4.5	6.73	0	0	0	8	3.26	6.52	0	0	0	5.11	1.88	67.25	3.01	24.17	1,205
111000149	11	City of Kerrville Coronado Drive and Junction Highway Drainage Improvements	Kerrville	Develop required technical data for FMP. Project planning for street and drainage improvement project.	Project planning	15,000	249	4.03	6.04	852	4.5	6.73	0	0	0	8	3.26	6.52	0	0	0	5.11	1.88	67.25	3.01	24.17	1,205
091000066	9	Reagan County DMP	Reagan County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	161	3.74	5.62	167	3.5	5.25	0	0	0	2	1.69	3.39	0	0	0	38.91	3.50	15439.37	6.34	24.11	1,207
091000067	9	Reagan County FEMA Mapping	Reagan County	Create FEMA Mapping in previously unmapped areas	Watershed planning	998,000	161	3.74	5.62	167	3.5	5.25	0	0	0	2	1.69	3.39	0	0	0	38.91	3.50	15439.37	6.34	24.11	1,207
091000068	9	Reagan County GIS Development	Reagan County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	161	3.74	5.62	167	3.5	5.25	0	0	0	2	1.69	3.39	0	0	0	38.91	3.50	15439.37	6.34	24.11	1,207
051000065	5	Anahuac, North of Canal Drainage	Chambers County	Study to identify possible drainage improvements in the city limits of Anahuac. Study will focus on the area north of the Chambers-Liberty Counties Navigation District canal generally along N. Main Street, Texas Avenue, and Work Street.	Project planning	100,000	949	4.89	7.34	925	4.5	6.80	0	0	0	0	0	0	0	0	0	58.67	3.83	10885.91	6.13	24.10	1,210
051000066	5	Dredging West Fork- Double Bayou	Chambers County	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include dredging West Fork- Double Bayou from mouth to FM 562 bridge.	Project planning	1,400,000	949	4.89	7.34	925	4.5	6.80	0	0	0	0	0	0	0	0	0	58.67	3.83	10885.91	6.13	24.10	1,210
051000068	5	North Anahuac Drainage	Anahuac	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include expanding/repairing road ditches and culverts and channelizing the drainage outfall for the area north of Lonestar Canal.	Project planning	800,000	949	4.89	7.34	925	4.5	6.80	0	0	0	0	0	0	0	0	0	58.67	3.83	10885.91	6.13	24.10	1,210
051000069	5	Southeast Drainage Ditch	Anahuac	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Benton Lane to FM 563.	Project planning	125,000	949	4.89	7.34	925	4.5	6.80	0	0	0	0	0	0	0	0	0	58.67	3.83	10885.91	6.13	24.10	1,210
051000070	5	Southwest Anahuac Ditch	Anahuac	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include channelization and crossing upgrades from Main Street to Bay.	Project planning	125,000	949	4.89	7.34	925	4.5	6.80	0	0	0	0	0	0	0	0	0	58.67	3.83	10885.91	6.13	24.10	1,210
111000022	11	City of Kerrville Pinto Trail Project Planning	Kerrville	Project planning for proposed project to provide flood relief to the properties adjacent to the channel at risk of flooding, including widening existing channels, constructing a grass-lined trapezoidal channel, and seeding the proposed earthen channels.	Project planning	100,000	324	4.20	6.30	606	4.3	6.42	0	0	0	7	3.10	6.21	0	0	0	5.80	1.98	86.54	3.16	24.06	1,215
111000023	11	City of Kerrville Park Street Low Water Crossing Project Planning	Kerrville	Project planning for proposed project to improve or replace the Park Street Low Water Crossing.	Project planning	340,000	324	4.20	6.30	606	4.3	6.42	0	0	0	7	3.10	6.21	0	0	0	5.80	1.98	86.54	3.16	24.06	1,215

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
141000005	14	Develop solution for flooding of San Elizario historic district, and localized flooding in San Elizario and adjacent communities	San Elizario city, El Paso County	Develop Stormwater Master Plan for San Elizario, including drainage swales to convey runoff into the River Drain and relieve localized ponding, as well as plantings along flowpaths for butterfly habitat.	Project planning	73,000	641	4.64	6.96	4364	5.5	8.21	1	0.67	1.68	0	0	0	0	0	0	10.39	2.44	1201.38	4.78	24.06	1,217
021000029	2	Red River Levee and Navigation System	City of De Kalb, Red River Valley Association	Study flood mitigation benefits of a levee and navigation system on the Lower Red, based on planning by USACE	Project planning	4,000,000	154	3.71	5.57	159	3.5	5.21	1	0.67	1.68	1	1.03	2.07	0	0	0	25.92	3.18	15299.90	6.34	24.04	1,218
081001148	8	Texas Ave Crossing & Channel Improvements (Hwy 6 to Texas) & Detenton Pond	College Station	Update design to account for Atlas 14 rainfall.	Project planning	100,000	69	3.19	4.79	85	3.1	4.64	1	0.67	1.68	9	3.40	6.79	19	3.67	1.84	2.13	1.21	75.05	3.07	24.02	1,219
031000245	3	Garden Branch Stabilization	Grand Prairie	Channel bottom stabilization from Camp Wisdom to Great Southwest; Estimated construction cost of $176,100	Project planning	250,000	42	2.87	4.31	18262	6.3	9.50	2	1.10	2.75	2	1.69	3.39	0	0	0	2.26	1.25	48.45	2.81	24.00	1,220
031000249	3	Willis Branch Stabilization	Grand Prairie	Dam removal and south channel bank stabilization just west of Devon cul-de-sac; Estimated construction cost of $48,600; from Great Southwest to Sheffield; Estimated construction cost of $200,700	Project planning	250,000	42	2.87	4.31	18262	6.3	9.50	2	1.10	2.75	2	1.69	3.39	0	0	0	2.26	1.25	48.45	2.81	24.00	1,220
091000022	9	Concho County DMP	Concho County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	103	3.45	5.18	77	3.0	4.55	0	0	0	4	2.46	4.92	0	0	0	23.62	3.10	13016.57	6.24	23.99	1,222
091000023	9	Concho County FEMA Mapping	Menard County	Create FEMA Mapping in previously unmapped areas	Watershed planning	962,000	103	3.45	5.18	77	3.0	4.55	0	0	0	4	2.46	4.92	0	0	0	23.62	3.10	13016.57	6.24	23.99	1,222
091000024	9	Concho County GIS Development	Concho County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	103	3.45	5.18	77	3.0	4.55	0	0	0	4	2.46	4.92	0	0	0	23.62	3.10	13016.57	6.24	23.99	1,222
151000100	15	City of Roma	Roma	Develop Flood risk maps for the city of Roma and develop CIP	Watershed planning	250,000	1137	5.01	7.52	4352	5.5	8.20	1	0.67	1.68	0	0	0	0	0	0	19.01	2.93	191.90	3.65	23.97	1,225
091000145	9	Upper Colorado Dams	Colorado River MWD	Perform a watershed-wide evaluation of the dams to assess flood protection performance for the 100-year and 500-year events, develop breach analyses mapping and assess hazard classification, develop risk indices, and evaluate dam safety performance.	Watershed planning	88,800	311	4.17	6.26	139	3.4	5.09	0	0	0	1	1.03	2.07	1	0.89	0.44	64.21	3.91	12129.95	6.19	23.96	1,226
061000130	6	Hostetter and Gourd Creek Bridges Elevation Evaluation	Walker County	Further study to elevate and install culverts on Hostetter and Gourd Creek roadways to prevent flooding and/or flood damage on roadway.	Project planning	130,000	1168	5.03	7.54	1882	5.0	7.45	0	0	0	2	1.69	3.39	2	1.46	0.73	10.23	2.43	25.46	2.41	23.95	1,227
061000156	6	Flood Gates Evaluation at Walker County Annex #2	Walker County	Evaluation of proposed removable facility flood gates at Walker County Annex #2	Project planning	20,000	505	4.48	6.73	545	4.2	6.32	0	0	0	2	1.69	3.39	2	1.46	0.73	25.43	3.16	180.47	3.61	23.94	1,228
061000309	6	Walker Flood Mapping Updates	Walker County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	1,747,000	505	4.48	6.73	545	4.2	6.32	0	0	0	2	1.69	3.39	2	1.46	0.73	25.43	3.16	180.47	3.61	23.94	1,228
031000508	3	Floodplain Mapping Updates of Unnamed Tributary to Bakers Branch	Flower Mound	Floodplain mapping of Unnamed Tributary to Bakers Branch to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	245	4.02	6.02	454	4.1	6.16	37	3.28	8.19	0	0	0	0	0	0	34.91	3.42	0.23	0.14	23.93	1,230
151000301	15	Hidalgo County Drainage District No.1 - F-14-01	Hidalgo County Drainage District 1	Create new F-14-01 drain ditch to provide drainage relief for the Northern Alamo area, north of US-83 and west of FM1423	Project planning	350,019	807	4.79	7.18	2392	5.1	7.66	1	0.67	1.68	0	0	0	0	0	0	18.19	2.89	725.15	4.47	23.88	1,231
081000663	8	Burton Creek Crossings	Bryan	Update design to account for Atlas 14 rainfall.	Project planning	100,000	276	4.09	6.14	1179	4.7	7.02	1	0.67	1.68	5	2.72	5.43	36	4.32	2.16	2.80	1.41	0	0	23.84	1,232
031000258	3	Jackson Meadows Pond Erosion Control	Sachse	Erosion control measures around three pond headwalls to decrease flow velocity.	Project planning	100,000	59	3.09	4.64	9995	6.0	8.95	0	0	0	5	2.72	5.43	0	0	0	1.69	1.04	211.24	3.71	23.77	1,233
031000259	3	Long Branch Channel Improvements (Dewitt to Ingram)	Sachse	Channel improvements to replace a failed headwall and reduce erosive velocities. Sewer line relocation to protect against potential failure due to erosion.	Project planning	100,000	59	3.09	4.64	9995	6.0	8.95	0	0	0	5	2.72	5.43	0	0	0	1.69	1.04	211.24	3.71	23.77	1,233
031000076	3	City of Corinth DMP	Corinth	Evaluate City and identify future projects.	Watershed planning	250,000	110	3.50	5.25	14086	6.2	9.27	2	1.10	2.75	1	1.03	2.07	0	0	0	3.74	1.63	47.92	2.80	23.76	1,235
031000074	3	City of Crockett DMP	Crockett	Evaluate City and identify future projects.	Watershed planning	250,000	136	3.63	5.45	8371	5.9	8.79	4	1.59	3.98	0	0	0	0	0	0	6.08	2.01	148.74	3.49	23.74	1,236
061000308	6	San Jacinto Flood Mapping Updates	San Jacinto County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	1,419,000	1028	4.95	7.42	1376	4.8	7.16	0	0	0	1	1.03	2.07	1	0.89	0.44	47.93	3.67	63.12	2.97	23.73	1,237
031000489	3	Floodplain Mapping Updates of Stream SB-1 Tributary 2	Flower Mound	Floodplain mapping of Stream SB-1 Tributary 2 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	123	3.57	5.35	108	3.2	4.86	25	2.98	7.44	0	0	0	0	0	0	21.33	3.02	71.06	3.04	23.72	1,238
061000031	6	Shoreacres Drainage Assessment	Shoreacres	Further analysis necessary to determine downstream impacts and whether any additional volume in A104-11-00 would be available during a coincident event on Taylor Bayou.	Project planning	100,000	801	4.78	7.18	2148	5.0	7.56	3	1.38	3.46	1	1.03	2.07	1	0.89	0.44	17.17	2.85	0.23	0.14	23.70	1,239
061000282	6	City of Shoreacres Master Drainage Plan	Shoreacres	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	150,000	801	4.78	7.18	2148	5.0	7.56	3	1.38	3.46	1	1.03	2.07	1	0.89	0.44	17.17	2.85	0.23	0.14	23.70	1,239
151000444	15	City of Combes - Holistic HUC Flood Protection Study	Combes	Develop flood risk maps for the City of Combes and develop CIP.	Watershed planning	1,500,000	325	4.20	6.30	937	4.5	6.81	2	1.10	2.75	0	0	0	24	3.91	1.95	4.64	1.80	378.75	4.07	23.68	1,241
031000483	3	Floodplain Mapping Updates of Graham Branch Tributary 10	Flower Mound	Floodplain mapping of Graham Branch Tributary 10 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	59,000	40	2.84	4.26	105	3.2	4.84	29	3.09	7.72	0	0	0	0	0	0	13.68	2.66	461.37	4.19	23.67	1,242
091000009	9	City of Lamesa DMP	Borden County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	250,000	185	3.83	5.75	551	4.2	6.33	0	0	0	6	2.93	5.85	0	0	0	11.90	2.55	82.95	3.14	23.62	1,243
041000027	4	Kirbyville Drainage Master Plan	Kirbyville	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	600,000	135	3.63	5.44	436	4.1	6.12	3	1.38	3.46	3	2.14	4.27	3	1.84	0.92	2.90	1.44	12.37	1.97	23.62	1,244
041000041	4	Kirbyville Drainage Improvement Study	Kirbyville	Study to coordinate and improve storm water drainage throughout the county; encourage new development to balance impervious surfaces with adjacent green space	Project planning	100,000	135	3.63	5.44	436	4.1	6.12	3	1.38	3.46	3	2.14	4.27	3	1.84	0.92	2.90	1.44	12.37	1.97	23.62	1,244
031000129	3	O'Neal St Low-Water Crossing Automatic Barrier Study	Gainesville	Evaluate installation of an automatic barricade for low-water crossing on O'Neal St.	Project planning	125,000	244	4.01	6.02	11789	6.1	9.10	0	0	0	1	1.03	2.07	0	0	0	7.59	2.19	485.56	4.22	23.61	1,246
031000492	3	Floodplain Mapping Updates of Stream WC-1	Flower Mound	Floodplain mapping of Stream WC-1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	58,000	116	3.53	5.30	114	3.3	4.91	26	3.01	7.52	0	0	0	0	0	0	15.98	2.79	73.77	3.06	23.58	1,247
031000207	3	Thousand Oaks Court	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $742,700	Project planning	250,000	75	3.25	4.87	19164	6.4	9.54	2	1.10	2.75	4	2.46	4.92	0	0	0	1.25	0.84	1.24	0.64	23.56	1,248
031000215	3	Manana Channel Improvements	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $967,600	Project planning	250,000	75	3.25	4.87	19164	6.4	9.54	2	1.10	2.75	4	2.46	4.92	0	0	0	1.25	0.84	1.24	0.64	23.56	1,248
031000218	3	Gilbert Rd Drainage Improvements	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $5,825,500	Project planning	291,000	75	3.25	4.87	19164	6.4	9.54	2	1.10	2.75	4	2.46	4.92	0	0	0	1.25	0.84	1.24	0.64	23.56	1,248
031000243	3	Dry Branch Stream Bottom Stabilization	Grand Prairie	300 feet south of Rock Island (2 locations); Estimated construction cost of $91,300	Project planning	250,000	75	3.25	4.87	19164	6.4	9.54	2	1.10	2.75	4	2.46	4.92	0	0	0	1.25	0.84	1.24	0.64	23.56	1,248
061000249	6	City of Iowa Colony Master Drainage Plan	Iowa Colony	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	310,000	1162	5.03	7.54	1271	4.7	7.09	1	0.67	1.68	0	0	0	0	0	0	28.47	3.25	338.53	4.00	23.55	1,252
151000354	15	Cameron County Drainage District No.3 - Main Drain A Downstream Improvements, Drain B-1	Cameron County Drainage District 3	Enlarge Culverts, exchange 60" RCP for 8'x8' concrete box culvert (FM 732 crossing), and a 4'x3' RCB with a 8'x8' RCP. See 2010 ESPEY 6.2.2 Alternative 2. page 37	Project planning	150,000	508	4.49	6.73	1320	4.7	7.12	1	0.67	1.68	0	0	0	9	2.92	1.46	11.16	2.50	343.33	4.01	23.50	1,253
101000173	10	Ave L at Whitman Creek Low Water Crossing	Marble Falls	This crossing is regularly closed due to flooding.	Project planning	100,000	86	3.34	5.01	724	4.4	6.58	0	0	0	14	3.91	7.83	0	0	0	2.39	1.29	45.07	2.76	23.47	1,254
031000497	3	Floodplain Mapping Updates of Timber Creek Tributary 9	Flower Mound	Floodplain mapping of Timber Creek Tributary 9 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	248	4.02	6.04	708	4.4	6.56	27	3.04	7.59	0	0	0	0	0	0	15.36	2.76	0.92	0.51	23.45	1,255

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000377	3	Project 15 – James Drive and Weatherred Drive System	Richardson	Study to reduce flooding at residential structures along James Drive and Blue Lake Circle by replacing undersized storm sewer and constructing additional curb inlets. Est const cost = $1,705,000	Project planning	250,000	488	4.46	6.69	1415	4.8	7.19	18	2.73	6.82	0	0	0	0	0	0	14.19	2.69	0	0	23.39	1,256
151000312	15	Hidalgo County Precinct 4 - Alberta Drain Phase I	Hidalgo County	Create drainage for existing subdivisions to Alamo Lateral (Between Owassa and Alberta, bounds ~1 mile East of Tower	Project planning	257,705	385	4.31	6.46	1728	4.9	7.37	2	1.10	2.75	0	0	0	0	0	0	8.83	2.31	700.42	4.44	23.33	1,257
061000552	6	Columbia Memorial Parkway Drainage Improvement Project	League City	A detailed drainage analysis is needed to confirm storm sewer sizes and if detention would be needed. Project would replace roadside ditches with a curb and gutter system.	Project planning	100,000	1016	4.94	7.41	2734	5.2	7.78	4	1.59	3.98	0	0	0	0	0	0	21.62	3.03	3.03	1.12	23.33	1,258
031000389	3	Arlington North Fish Creek Detention between Allen Avenue & SH 360	Arlington	Detention of peak flows for Harvest Hills and Briar neighborhood in order to reduce or eliminate downstream channel improvements. Two (2) alternatives proposed.	Project planning	205,000	546	4.54	6.80	514	4.2	6.27	22	2.88	7.20	0	0	0	0	0	0	21.56	3.03	0	0	23.30	1,259
011000064	1	Clarendon City Drainage Master Plan	Clarendon	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis and survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains and playa lakes.	Watershed planning	250,000	128	3.59	5.39	376	4.0	5.99	2	1.10	2.75	3	2.14	4.27	3	1.84	0.92	8.81	2.31	7.50	1.66	23.29	1,260
011000102	1	City of Clarendon GIS Development	Clarendon	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	128	3.59	5.39	376	4.0	5.99	2	1.10	2.75	3	2.14	4.27	3	1.84	0.92	8.81	2.31	7.50	1.66	23.29	1,260
071000083	7	Young County DMP	Young County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	190	3.85	5.78	128	3.3	5.01	0	0	0	1	1.03	2.07	0	0	0	53.13	3.75	25847.23	6.66	23.27	1,262
071000206	7	Young County DCM	Young County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	190	3.85	5.78	128	3.3	5.01	0	0	0	1	1.03	2.07	0	0	0	53.13	3.75	25847.23	6.66	23.27	1,262
011000121	1	West Amarillo Creek Project Planning - Partridge/Cloud Crest Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to West Amarillo Creek Study Area - Partridge/Cloud Crest Channel Reach. Project identified from 2019 Amarillo DMP.	Project planning	250,000	48	2.96	4.44	1864	5.0	7.44	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	4.95	1.85	187.62	3.64	23.16	1,264
011000122	1	Quail Creek Channel from Plum Creek Storm Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to Quail Creek Channel from Plum Creek Storm Channel Reach. Project identified from 2019 Amarillo DMP.	Project planning	250,000	48	2.96	4.44	1864	5.0	7.44	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	4.95	1.85	187.62	3.64	23.16	1,264
011000128	1	West Amarillo Creek Project Planning - Wolfin Avenue Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include additional RCPs, installing concrete boxes, improving channel, and installing RCP with inlet and outlet structure. Project identified from 2019 Amarillo DMP.	Project planning	250,000	48	2.96	4.44	1864	5.0	7.44	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	4.95	1.85	187.62	3.64	23.16	1,264
011000139	1	West Amarillo Creek Project Planning - AISD/B I-40/MediPark (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to West Amarillo Creek Study Area - AISD/B I-40/MediPark. Project identified from 2019 Amarillo DMP.	Project planning	250,000	48	2.96	4.44	1864	5.0	7.44	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	4.95	1.85	187.62	3.64	23.16	1,264
011000176	1	Tributary to West Amarillo Creek Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP	Watershed planning	1,000,000	48	2.96	4.44	1864	5.0	7.44	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	4.95	1.85	187.62	3.64	23.16	1,264
131000181	13	COASTAL BEND MITIGATION ACTION PLAN - NU - 64	Agua Dulce	To improve drainage throughout the City of Agua Dulce, it is necessary to properly assess the community drainage needs and establish a local prioritization plan to serve as a guide to successful flood mitigation.	Project planning	250,000	213	3.93	5.89	407	4.0	6.06	15	2.59	6.47	0	0	0	26	3.99	2.00	7.30	2.16	1.09	0.58	23.15	1,269
051000046	5	City of Jacksonville Master Drainage Plan	Jacksonville	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	560,000	367	4.28	6.42	430	4.1	6.11	0	0	0	7	3.10	6.21	7	2.67	1.33	3.88	1.66	4.99	1.42	23.15	1,270
061000080	6	Replace the Tiki Drive bridge with improved, hardened bridge to withstand storm surge and debris.	Tiki Island	Further study of proposed Tiki Drive bridge modifications.	Project planning	220,000	1006	4.93	7.40	1681	4.9	7.34	6	1.90	4.74	0	0	0	0	0	0	9.64	2.38	3.92	1.27	23.14	1,271
061000292	6	City of Tiki Island Master Drainage Plan	Tiki Island	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	180,000	1006	4.93	7.40	1681	4.9	7.34	6	1.90	4.74	0	0	0	0	0	0	9.64	2.38	3.92	1.27	23.14	1,271
011000003	1	Foard County FIS	Foard County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	749,000	23	2.48	3.72	10	1.8	2.71	0	0	0	4	2.46	4.92	5	2.33	1.17	35.84	3.44	58148.13	7.16	23.11	1,273
151000285	15	City of Mercedes - Drainage System Improvements for the City of Mercedes	Mercedes	Mercedes Park, Mercedes south east quad, HCCIDNo.9 Later 19 and HCCIDNo.9 Anacuitas drainage improvements for the City of Mercedes	Project planning	648,000	458	4.42	6.63	844	4.5	6.72	2	1.10	2.75	0	0	0	0	0	0	17.19	2.85	442.17	4.16	23.11	1,274
151000323	15	City of Brownsville - FM802/HW48 Drainage Improvements	Brownsville	Roadway and drainage improvement for industrial dist	Project planning	49,666	468	4.44	6.65	2060	5.0	7.53	0	0	0	0	0	0	38	4.37	2.19	15.95	2.79	275.73	3.87	23.03	1,275
101000172	10	2nd Street at Backbone Creek Low Water Crossing	Marble Falls	This route regularly floods and is an emergency vehicle response route as well as a truck route.	Project planning	100,000	78	3.27	4.91	717	4.4	6.57	0	0	0	13	3.83	7.65	0	0	0	1.87	1.11	45.07	2.76	23.01	1,276
071000016	7	Stonewall County Initial FEMA Mapping	Stonewall County	Create FEMA Mapping in previously unmapped areas	Watershed planning	893,000	67	3.18	4.76	12	1.9	2.88	0	0	0	6	2.93	5.85	0	0	0	49.35	3.69	6456.62	5.81	22.99	1,277
071000073	7	Stonewall County DMP	Stonewall County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	67	3.18	4.76	12	1.9	2.88	0	0	0	6	2.93	5.85	0	0	0	49.35	3.69	6456.62	5.81	22.99	1,277
071000111	7	Stonewall County GIS Development	Stonewall County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	67	3.18	4.76	12	1.9	2.88	0	0	0	6	2.93	5.85	0	0	0	49.35	3.69	6456.62	5.81	22.99	1,277
071000192	7	Stonewall County DCM	Stonewall County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	67	3.18	4.76	12	1.9	2.88	0	0	0	6	2.93	5.85	0	0	0	49.35	3.69	6456.62	5.81	22.99	1,277
071000193	7	Stonewall County Stream Restoration Program	Stonewall County	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	Project planning	500,000	67	3.18	4.76	12	1.9	2.88	0	0	0	6	2.93	5.85	0	0	0	49.35	3.69	6456.62	5.81	22.99	1,277
131000028	13	Atascosa McMullen Hazard Mitigation Plan - City of Lytle Action #11	Lytle	Develop a stormwater management plan and implement the structural and non-structural solutions to mitigate flooding.	Project planning	750,000	112	3.51	5.26	288	3.8	5.75	0	0	0	9	3.40	6.79	29	4.10	2.05	2.94	1.45	7.44	1.66	22.96	1,282
131000029	13	Atascosa McMullen Hazard Mitigation Plan - City of Lytle Action #4	Lytle	Enforcement of code and floodplain development is improving with meetings with new businesses.	Other	30,000	112	3.51	5.26	288	3.8	5.75	0	0	0	9	3.40	6.79	29	4.10	2.05	2.94	1.45	7.44	1.66	22.96	1,282
101000211	10	Jarvis Creek Channel Widening and Regional Detention Project	Wharton County	Drainage System Improvements	Project planning	150,000	755	4.75	7.12	1235	4.7	7.06	0	0	0	0	0	0	0	0	0	22.30	3.06	5475.36	5.71	22.94	1,284
061000236	6	City of El Lago Master Drainage Plan	El Lago	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	140,000	742	4.73	7.10	2384	5.1	7.66	9	2.20	5.50	0	0	0	0	0	0	9.36	2.36	0.45	0.27	22.89	1,285
151000393	15	City of San Perlita - School Storm Sewer Extension	San Perlita	Extension of southwest end of San Perlita drainage infrastructure and connect system to existing drainage ditch	Project planning	28,155	243	4.01	6.02	478	4.1	6.21	1	0.67	1.68	0	0	0	18	3.62	1.81	10.45	2.45	1121.26	4.73	22.89	1,286
111000038	11	City of Martindale Drainage Improvements Study	Martindale	Study of solutions to upgrade undersized stormwater drains and culverts.	Watershed planning	100,000	196	3.87	5.81	550	4.2	6.33	1	0.67	1.68	3	2.14	4.27	0	0	0	5.52	1.94	52.74	2.86	22.88	1,287
031000105	3	Eastern Meadows-Southlake Estates-Greenbrook-Green Acres-Rosehill Acreage Drainage Study Update	Garland	Area 10	Project planning	81,000	13	2.11	3.17	14433	6.2	9.29	2	1.10	2.75	1	1.03	2.07	0	0	0	2.19	1.23	628.71	4.38	22.88	1,288
101000121	10	Various Streets - Install Flood Early Warning Systems	Fort Bend County	High water barricades in several locations	Preparedness	150,000	582	4.58	6.87	628	4.3	6.45	0	0	0	0	0	0	0	0	0	26.03	3.18	15359.06	6.34	22.84	1,289
151000340	15	City of Los Fresnos - Los Fresnos N. Drainage Improvements	Los Fresnos	Improve existing drain system for future development	Project planning	29,940	326	4.20	6.30	1317	4.7	7.12	3	1.38	3.46	0	0	0	0	0	0	11.38	2.52	116.86	3.35	22.74	1,290
101000007	10	Old McDade Rd in Precinct 4 near Norwood Rd	Bastrop County	Box culvert replacement	Project planning	100,000	237	3.99	5.99	443	4.1	6.14	1	0.67	1.68	2	1.69	3.39	0	0	0	3.63	1.61	296.65	3.92	22.72	1,291

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
151000394	15	City of San Perlita - Community Drainage Improvements	San Perlita	Extend city's southwest storm sewer to connect into drainage canal.	Project planning	82,650	243	4.01	6.02	474	4.1	6.20	1	0.67	1.68	0	0	0	19	3.67	1.84	8.85	2.31	1025.51	4.68	22.72	1,292
031000310	3	Rawlins Creek at Dowdy Ferry Road	Hutchins	Evaluate bridge improvements for Dowdy Ferry Road over Rawlins Creek	Project planning	250,000	29	2.63	3.95	2621	5.2	7.74	1	0.67	1.68	5	2.72	5.43	0	0	0	1.15	0.79	81.64	3.13	22.72	1,293
031000311	3	Rawlins Creek at IH 45	Hutchins	Evaluate bridge improvements for IH 45 over Rawlins Creek	Project planning	250,000	29	2.63	3.95	2621	5.2	7.74	1	0.67	1.68	5	2.72	5.43	0	0	0	1.15	0.79	81.64	3.13	22.72	1,293
031000312	3	Rawlins Creek at Main Street	Hutchins	Evaluate bridge improvements for Main Street over Rawlins Creek	Project planning	250,000	29	2.63	3.95	2621	5.2	7.74	1	0.67	1.68	5	2.72	5.43	0	0	0	1.15	0.79	81.64	3.13	22.72	1,293
031000315	3	Stream 484 at Austin Street	Hutchins	Evaluate culvert improvements for Austin Street over Stream 484	Project planning	250,000	29	2.63	3.95	2621	5.2	7.74	1	0.67	1.68	5	2.72	5.43	0	0	0	1.15	0.79	81.64	3.13	22.72	1,293
031000316	3	Stream 484 at Crestridge Drive	Hutchins	Evaluate culvert improvements for Crestridge Drive over Stream 484	Project planning	250,000	29	2.63	3.95	2621	5.2	7.74	1	0.67	1.68	5	2.72	5.43	0	0	0	1.15	0.79	81.64	3.13	22.72	1,293
031000317	3	Stream 484 at Denton Street	Hutchins	Evaluate culvert improvements for Denton Street over Stream 484	Project planning	250,000	29	2.63	3.95	2621	5.2	7.74	1	0.67	1.68	5	2.72	5.43	0	0	0	1.15	0.79	81.64	3.13	22.72	1,293
081001023	8	Study Wickson Creek for Floodplain/Floodway from FM 974 to Navasota River	Bryan	Study of Wickerson Creek to determine flood risk.	Watershed planning	436,000	52	3.01	4.52	39	2.6	3.94	0	0	0	4	2.46	4.92	25	3.95	1.98	5.23	1.90	3488.64	5.43	22.68	1,299
111000067	11	City of Seguin Sewage Treatment Plant Floodproofing Project Planning	Seguin	Project planning for proposed project to flood-proof sewage treatment plants in flood hazard / low-lying areas.	Project planning	100,000	347	4.24	6.36	889	4.5	6.77	1	0.67	1.68	1	1.03	2.07	0	0	0	9.01	2.33	135.90	3.44	22.64	1,300
061000121	6	Widen Drainage Systems and Culverts in City of Kemah	Kemah	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	Project planning	100,000	562	4.55	6.83	2792	5.2	7.80	7	2.01	5.03	0	0	0	0	0	0	12.01	2.56	0.73	0.42	22.64	1,301
061000131	6	Implemention Study of Storm Sewer System Re-engineering in City of Kemah	Kemah	Study of storm sewer system re-engineering and follow-up construction project to mitigate flood related impacts.	Watershed planning	190,000	562	4.55	6.83	2792	5.2	7.80	7	2.01	5.03	0	0	0	0	0	0	12.01	2.56	0.73	0.42	22.64	1,301
061000254	6	City of Kemah Master Drainage Plan	Kemah	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	562	4.55	6.83	2792	5.2	7.80	7	2.01	5.03	0	0	0	0	0	0	12.01	2.56	0.73	0.42	22.64	1,301
061000367	6	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou (Q100-00-00)	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from SH 146 to Galveston Bay along Cedar Bayou.	Project planning	30,000	230	3.97	5.96	774	4.4	6.64	7	2.01	5.03	0	0	0	0	0	0	7.63	2.20	47.41	2.79	22.62	1,304
051000151	5	Feasibility Assessment of Widening and Deepening Segments of Ten-Mile Creek	Orange County Drainage District	H&H Study to analyze most efficient alternatives for constructing improvements to segments of Ten-Mile Creek.	Project planning	175,000	415	4.36	6.54	748	4.4	6.61	0	0	0	2	1.69	3.39	2	1.46	0.73	12.57	2.60	43.89	2.75	22.61	1,305
111000028	11	City of Kerrville Harper Street between Culberson Avenue and Lewis Avenue Project Planning	Kerrville	Project planning for proposed storm drain system project to relieve localized flooding and excessive ponding that occurs throughout Harper Street.	Project planning	180,000	381	4.30	6.45	990	4.6	6.86	0	0	0	4	2.46	4.92	0	0	0	7.14	2.14	18.10	2.20	22.58	1,306
111000029	11	City of Kerrville Circle Avenue Drainage Channel Project Planning	Kerrville	Project planning for proposed channel and street improvement project to alleviate sedimentation and erosion issues at the intersection of Culberson Avenue and Circle Avenue.	Project planning	100,000	381	4.30	6.45	990	4.6	6.86	0	0	0	4	2.46	4.92	0	0	0	7.14	2.14	18.10	2.20	22.58	1,306
111000031	11	City of Kerrville Harper Road to Town Creek (Fay Drive) Drainage Improvements Study	Kerrville	Study of solutions to implement drainage improvements on Harper Road to Town Creek (Fay Drive).	Project planning	150,000	381	4.30	6.45	990	4.6	6.86	0	0	0	4	2.46	4.92	0	0	0	7.14	2.14	18.10	2.20	22.58	1,306
011000022	1	Briscoe County FIS	Briscoe County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	902,000	36	2.77	4.16	23	2.3	3.46	0	0	0	2	1.69	3.39	2	1.46	0.73	45.10	3.62	64354.15	7.22	22.58	1,309
011000081	1	Burkburnett City Drainage Master Plan	Burkburnett	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	47	2.95	4.42	96	3.2	4.75	0	0	0	7	3.10	6.21	9	2.92	1.46	6.86	2.11	183.79	3.62	22.58	1,310
041000068	4	City of Marshall Drainage System Improvements Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	100,000	465	4.43	6.65	4119	5.4	8.15	0	0	0	0	0	0	0	0	0	119.99	4.41	119.99	3.36	22.57	1,311
041000069	4	East Parker Creek Detention Pond Feasibility Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	465	4.43	6.65	4119	5.4	8.15	0	0	0	0	0	0	0	0	0	119.99	4.41	119.99	3.36	22.57	1,311
041000072	4	Lower Happy Hollow Creek Detention Pond Feasibility Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	465	4.43	6.65	4119	5.4	8.15	0	0	0	0	0	0	0	0	0	119.99	4.41	119.99	3.36	22.57	1,311
041000073	4	Parker Creek Maintenance Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	10,000	465	4.43	6.65	4119	5.4	8.15	0	0	0	0	0	0	0	0	0	119.99	4.41	119.99	3.36	22.57	1,311
041000075	4	Town Branch Creek Detention Pond Feasibility Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	465	4.43	6.65	4119	5.4	8.15	0	0	0	0	0	0	0	0	0	119.99	4.41	119.99	3.36	22.57	1,311
041000076	4	Turtle Creek Detention Pond Feasibility Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	465	4.43	6.65	4119	5.4	8.15	0	0	0	0	0	0	0	0	0	119.99	4.41	119.99	3.36	22.57	1,311
041000078	4	Upper Happy Hollow Creek Detention Pond Feasibility Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	465	4.43	6.65	4119	5.4	8.15	0	0	0	0	0	0	0	0	0	119.99	4.41	119.99	3.36	22.57	1,311
061000297	6	City of West University Place Master Drainage Plan	West University Place	Study to develop refine Master Drainage Plan and Projects using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	939	4.89	7.33	2931	5.2	7.85	6	1.90	4.74	0	0	0	0	0	0	11.90	2.55	0	0	22.47	1,318
051000092	5	Hardin County Coon Marsh Gully Drainage Improvements	Hardin County	H&H Study to identify alternatives for improving existing drainage within Marsh Gully	Project planning	300,000	285	4.11	6.17	792	4.4	6.66	1	0.67	1.68	2	1.69	3.39	2	1.46	0.73	5.84	1.98	9.96	1.84	22.45	1,319
091000062	9	Nolan County DMP	Scurry County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	90	3.37	5.05	22	2.3	3.42	0	0	0	5	2.72	5.43	0	0	0	20.95	3.01	4147.82	5.54	22.44	1,320
091000063	9	Nolan County FEMA Mapping	Scurry County	Update existing FEMA Mapping	Watershed planning	924,000	90	3.37	5.05	22	2.3	3.42	0	0	0	5	2.72	5.43	0	0	0	20.95	3.01	4147.82	5.54	22.44	1,320
091000064	9	Nolan County GIS Development	Scurry County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	90	3.37	5.05	22	2.3	3.42	0	0	0	5	2.72	5.43	0	0	0	20.95	3.01	4147.82	5.54	22.44	1,320
091000065	9	Nolan County Buyout Program Study	Scurry County	Proposed evaluation of potential buyout project for repetitive loss properties in Nolan County.	Project planning	100,000	90	3.37	5.05	22	2.3	3.42	0	0	0	5	2.72	5.43	0	0	0	20.95	3.01	4147.82	5.54	22.44	1,320
031000172	3	Turkey Creek Trail Rebuild	Bridgeport	Evaluate alternatives to rebuild Turkey Creek Trail from 9th Street to State Highway 114.	Project planning	63,000	91	3.37	5.06	4544	5.5	8.24	1	0.67	1.68	1	1.03	2.07	0	0	0	4.49	1.78	167.78	3.57	22.39	1,324
131000137	13	Aransas Pass Homeowner Buyout Program	Aransas Pass	Develop and implement a buyout program. The purpose is to buy out land owners in areas that have had repeated monetary lose due to storm flooding.	Other	82,000	914	4.87	7.30	2022	5.0	7.51	0	0	0	0	0	0	138	5.68	2.84	32.12	3.35	4.77	1.39	22.39	1,325
061000066	6	Mustang Bayou Upper Segment	Brazoria Drainage District 4	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	2,040,000	415	4.36	6.54	771	4.4	6.64	0	0	0	3	2.14	4.27	3	1.84	0.92	4.48	1.77	19.52	2.25	22.39	1,326

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
111000026	11	City of Kerrville Hill Country Drive at SH 16 Project Planning	Kerrville	Project planning for proposed project to raise the roadway profile and regrade Hill Country Drive, and increase the downstream pipe capacity at Hill Country Drive.	Project planning	245,000	191	3.85	5.78	1394	4.8	7.17	2	1.10	2.75	4	2.46	4.92	0	0	0	4.10	1.70	0.01	0.01	22.33	1,327
111000147	11	City of Kerrville Spring Street Project	Kerrville	Develop required technical data for FMP. Project planning for storm drain and channel improvement project.	Project planning	15,000	191	3.85	5.78	1394	4.8	7.17	2	1.10	2.75	4	2.46	4.92	0	0	0	4.10	1.70	0.01	0.01	22.33	1,327
111000148	11	City of Kerrville Clay Street Drainage and Kroc Center Detention Pond Spillway Improvements	Kerrville	Develop required technical data for FMP. Project planning for detention pond spillway improvement project.	Project planning	15,000	191	3.85	5.78	1394	4.8	7.17	2	1.10	2.75	4	2.46	4.92	0	0	0	4.10	1.70	0.01	0.01	22.33	1,327
021000039	2	City of Atlanta High School Lane Project/Phase No. 2	City of Atlanta	Perform channel improvements between Hwy 77 & Main St	Project planning	250,000	92	3.38	5.07	731	4.4	6.59	2	1.10	2.75	6	2.93	5.85	0	0	0	3.37	1.55	0.88	0.49	22.30	1,330
021000040	2	City of Atlanta Eleanor St and Red Bluff St. Project/Phase No. 3	City of Atlanta	Replace culvert crossings	Project planning	61,000	92	3.38	5.07	731	4.4	6.59	2	1.10	2.75	6	2.93	5.85	0	0	0	3.37	1.55	0.88	0.49	22.30	1,330
021000041	2	City of Atlanta Park View St and Jefferson St. Project/Phase No. 4	City of Atlanta	Install culvert crossing	Project planning	61,000	92	3.38	5.07	731	4.4	6.59	2	1.10	2.75	6	2.93	5.85	0	0	0	3.37	1.55	0.88	0.49	22.30	1,330
081001003	8	Tennessee Avenue Crossing	Bryan	A study and detailed design needs to be completed to assess the flooding and design culvert improvements to reduce road overtopping.	Project planning	50,000	126	3.58	5.38	310	3.9	5.81	0	0	0	5	2.72	5.43	36	4.32	2.16	2.27	1.25	19.98	2.26	22.30	1,333
061000497	6	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	Liberty County Water Control District 1	Study to create detention pond & Ditch system for Buddy Grass and RR Ditches	Project planning	3,000,000	553	4.54	6.82	675	4.3	6.52	1	0.67	1.68	0	0	0	0	0	0	15.71	2.77	782.98	4.51	22.30	1,334
141000021	14	Develop city-wide drainage study and stormwater master plan for the City of Kermit.	Kermit city, Winkler County	Develop city-wide drainage study and stormwater master plan for Kermit. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	Project planning	75,000	1119	5.00	7.50	2152	5.0	7.57	1	0.67	1.68	0	0	0	5	2.33	1.17	31.63	3.34	2.67	1.05	22.30	1,335
031000130	3	Elm Fork Bridge Improvements Assessment	Gainesville	Assessment to alleviate flooding issues with the Elm Fork bridge on I-35.	Project planning	100,000	105	3.47	5.20	10398	6.0	8.99	1	0.67	1.68	0	0	0	0	0	0	4.29	1.74	1027.23	4.68	22.29	1,336
121000084	12	Damage Center 7- Zarzamora Creek	San Antonio	Based on the value of the homes within this damage center, VPAs appear to be a practical option that may be well received	Project planning	14,775,610	259	4.05	6.08	729	4.4	6.59	10	2.28	5.70	0	0	0	27	4.03	2.01	3.70	1.62	0.44	0.26	22.27	1,337
061000216	6	Greens Bayou - P103-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for P103-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	300,000	391	4.32	6.48	1343	4.8	7.14	5	1.76	4.40	0	0	0	0	0	0	6.69	2.09	15.07	2.09	22.20	1,338
061000384	6	Houston Braeburn Glen Area Flood Mitigation	Houston	Further study of a proposed project that includes upsizing of the existing stormwater system with new pipes, inlets, and manholes. Lateral improvement will be completed on Mahoning Drive and Valley View Lane.	Project planning	30,000	530	4.52	6.77	3328	5.3	7.96	7	2.01	5.03	0	0	0	0	0	0	6.40	2.06	0.65	0.37	22.20	1,339
151000361	15	City of San Benito - Lateral Connections to Drainage District	San Benito	Connecting existing San Benito laterals to Drainage District ditches	Project planning	84,701	957	4.90	7.35	2388	5.1	7.66	0	0	0	0	0	0	9	2.92	1.46	25.22	3.15	32.95	2.57	22.19	1,340
031000477	3	Cotton Bayou Improvements Study	Chambers County	Study to implement diversion, detention or channel modifications to Cotton Bayou to improve conveyance from downstream of IH-10 to confluence with Hackberry Gully	Project planning	150,000	519	4.50	6.75	7804	5.8	8.73	0	0	0	0	0	0	0	0	0	7.23	2.15	775.22	4.51	22.15	1,341
061000433	6	Spring Shadows South	Houston	Study to develop a Benefit Cost Analysis needed to elevate project to a FMP. FIF application information unavailable.	Project planning	30,000	1005	4.93	7.40	2805	5.2	7.81	5	1.76	4.40	0	0	0	0	0	0	11.77	2.54	0	0	22.14	1,342
051000067	5	Spindletop Bayou Ditch Improvement	Chambers County	Evaluate project to quantify benefits, evaluate impacts, and begin design. Improvements include increasing IH10 crossings, enlarge ditches and create retention along the Spindletop Bayou in east Chambers County.	Project planning	1,500,000	345	4.24	6.36	147	3.4	5.14	0	0	0	0	0	0	0	0	0	78.88	4.07	22570.21	6.58	22.14	1,343
111000034	11	City of Kyle - N. Burleson Street Drainage Improvements Project Planning	Kyle	Project planning for proposed project to conduct street reconstruction and drainage improvements to minimize flooding in the downtown area.	Project planning	983,000	326	4.20	6.30	1760	4.9	7.38	1	0.67	1.68	2	1.69	3.39	0	0	0	3.15	1.50	10.22	1.85	22.10	1,344
111000056	11	City of San Marcos Low Water Crossing at Jackman Project Planning	San Marcos	Project planning to replace low water crossing at Jackman	Project planning	150,000	221	3.95	5.92	1210	4.7	7.05	0	0	0	2	1.69	3.39	0	0	0	3.63	1.61	392.19	4.09	22.06	1,345
111000057	11	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	San Marcos	Project planning to replace low water crossing at Mitchell and Purgatory Creek	Project planning	200,000	221	3.95	5.92	1210	4.7	7.05	0	0	0	2	1.69	3.39	0	0	0	3.63	1.61	392.19	4.09	22.06	1,345
111000059	11	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	San Marcos	Project planning to replace low water crossing at S LBJ and Purgatory Creek	Project planning	150,000	221	3.95	5.92	1210	4.7	7.05	0	0	0	2	1.69	3.39	0	0	0	3.63	1.61	392.19	4.09	22.06	1,345
151000272	15	City of Alton - Alton Drainage System Connection	Alton	Connect City of Alton's drainage system to the Hidalgo County Drainage District No.1 Master Drainage System (MDS)	Project planning	175,594	797	4.78	7.17	2855	5.2	7.82	0	0	0	0	0	0	0	0	0	15.30	2.75	559.02	4.31	22.05	1,348
101000082	10	Citywide Drainage Study	Lago Vista	Conduct a drainage study and disseminate study results	Watershed planning	250,000	543	4.53	6.80	754	4.4	6.62	1	0.67	1.68	0	0	0	0	0	0	10.48	2.45	657.77	4.41	21.95	1,349
101000083	10	Community Evacuation Plan	Jonestown	Community Evacuation Plan	Preparedness	25,000	543	4.53	6.80	754	4.4	6.62	1	0.67	1.68	0	0	0	0	0	0	10.48	2.45	657.77	4.41	21.95	1,349
151000335	15	Cameron County Drainage District No.3 - Cameron County Drainage District No. 3 Drain Expansion	Cameron County Drainage District 3	Expand capacity along Cameron County Drainage District No. 3 Drains, acquire add ROW	Project planning	1,912,545	675	4.67	7.01	2131	5.0	7.56	0	0	0	0	0	0	4	2.12	1.06	21.37	3.02	103.36	3.27	21.92	1,351
101000169	10	Backbone Branch Detention Pond	Marble Falls	Regional Detention Pond Along Backbone Creek	Project planning	150,000	172	3.79	5.68	173	3.5	5.29	0	0	0	3	2.14	4.27	0	0	0	4.11	1.71	1647.46	4.97	21.91	1,352
031000306	3	Woody Branch at Loop 12	Dallas	Evaluate bridge improvements for Loop 12 over Woody Branch	Project planning	250,000	106	3.47	5.21	28754	6.6	9.91	1	0.67	1.68	1	1.03	2.07	0	0	0	6.03	2.01	2.61	1.04	21.91	1,353
031000099	3	Buhler, Cresthaven, Madewell & Maryland Drainage Study Update	Garland	Area 4	Project planning	132,000	40	2.84	4.26	16330	6.3	9.40	0	0	0	5	2.72	5.43	0	0	0	1.87	1.11	7.36	1.65	21.86	1,354
031000100	3	Bellaire Heights Drainage Study Update	Garland	Area 5	Project planning	50,000	40	2.84	4.26	16330	6.3	9.40	0	0	0	5	2.72	5.43	0	0	0	1.87	1.11	7.36	1.65	21.86	1,354
031000102	3	Shorehaven-Garvon-Rosewood Terrace-Garland Heights-Freeman Heights-Range-Cooper-Barger Drainage Study Update	Garland	Area 7	Project planning	150,000	40	2.84	4.26	16330	6.3	9.40	0	0	0	5	2.72	5.43	0	0	0	1.87	1.11	7.36	1.65	21.86	1,354
031000108	3	Curtis Drive Drainage Study Update	Garland	Area 13	Project planning	50,000	40	2.84	4.26	16330	6.3	9.40	0	0	0	5	2.72	5.43	0	0	0	1.87	1.11	7.36	1.65	21.86	1,354
031000112	3	Downtown Drainage Study Update	Garland	Area 17	Project planning	150,000	40	2.84	4.26	16330	6.3	9.40	0	0	0	5	2.72	5.43	0	0	0	1.87	1.11	7.36	1.65	21.86	1,354
031000117	3	Legend Drive Drainage Study Update	Garland	Area 22	Project planning	50,000	40	2.84	4.26	16330	6.3	9.40	0	0	0	5	2.72	5.43	0	0	0	1.87	1.11	7.36	1.65	21.86	1,354
031000281	3	Freeman Heights Drainage Improvements	Garland	Implement results from the Garland-Freeman Height Drainage Study. This study identified improvement projects for the storm sewer.	Project planning	150,000	40	2.84	4.26	16330	6.3	9.40	0	0	0	5	2.72	5.43	0	0	0	1.87	1.11	7.36	1.65	21.86	1,354
061000188	6	Brays Bayou - Partnership Project with Fort Bend County on Right-of-Way Acquisition, Design, and Construction of General Drainage Improvements along Clodine Ditch	Harris County Flood Control District	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	Project planning	1,020,000	326	4.20	6.30	1348	4.8	7.14	1	0.67	1.68	0	0	0	0	0	0	19.77	2.96	217.61	3.73	21.81	1,361
081000690	8	Burton Creek Trib 5 Mitigation	Bryan	Design of erosion control and channel improvements for Trib 5 of Burton Creek.	Project planning	194,000	159	3.74	5.60	838	4.5	6.71	1	0.67	1.68	4	2.46	4.92	18	3.62	1.81	1.76	1.07	0	0	21.79	1,362
151000001	15	Brooks County	Brooks County	Develop Flood risk maps for the county of Brooks	Watershed planning	250,000	151	3.70	5.55	40	2.6	3.96	1	0.67	1.68	0	0	0	0	0	0	29.84	3.29	71295.59	7.28	21.76	1,363
131000194	13	Risk Area 25 - Corpus Christi International Airport	Corpus Christi	Runoff from surrounding drainage creeks cause flooding and mobility issues for the airport.	Project planning	150,000	32	2.70	4.04	94	3.2	4.74	18	2.73	6.82	0	0	0	0	0	0	3.28	1.53	925.27	4.62	21.74	1,364

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
151000345	15	City of Palm Valley - Palm Valley Resacas Improvements	Palm Valley	Dredging of Resaca in Golf Course to increase capacity	Project planning	188,370	116	3.53	5.30	382	4.0	6.00	1	0.67	1.68	0	0	0	80	5.12	2.56	11.98	2.56	179.83	3.61	21.71	1,365
031000286	3	Headwaters of Clear Fork Trinity River Tributaries Through Hudson Oaks	Hudson Oaks	Study to determine flooding issues and potential future projects.	Watershed planning	106,000	32	2.70	4.04	2797	5.2	7.80	2	1.10	2.75	1	1.03	2.07	0	0	0	2.82	1.42	179.35	3.61	21.69	1,366
031000225	3	Parker Rd - Hardrock Rd	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $5,760,800	Project planning	288,000	165	3.76	5.64	6341	5.7	8.54	1	0.67	1.68	0	0	0	0	0	0	5.65	1.96	265.26	3.85	21.67	1,367
031000232	3	Shady Grove Rd	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $6,737,200	Project planning	337,000	165	3.76	5.64	6341	5.7	8.54	1	0.67	1.68	0	0	0	0	0	0	5.65	1.96	265.26	3.85	21.67	1,367
101000038	10	800 Block W San Antonio	Fredericksburg	Channels, drop structures, & 2 box culverts: 7' x 4'	Project planning	50,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,369
101000039	10	South End of Acorn Street	Fredericksburg	Rollup curb at driveway edge	Project planning	50,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000042	10	Bowie & Peach Street	Fredericksburg	Storm sewer system & curb inlets with two 36" RCPs	Project planning	100,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000044	10	112 W Park	Fredericksburg	Extend curb to direct water to new vegetated channel with drop structure outfall to Barons Creek	Project planning	50,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000048	10	Trailmoor near Llano Hwy	Fredericksburg	Add stormwater system throughout watershed	Project planning	250,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000053	10	N Edison Low Water Crossing	Fredericksburg	Raise N Edison at Schubert; redesign intersection; install FEWS with automatic gates & flashers	Project planning	15,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000054	10	Schubert Low Water Crossing	Fredericksburg	Lower channel by 4-5' with drop structures; install five 9'x5' culverts	Project planning	50,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000055	10	200 Block N Orange	Fredericksburg	Concrete apron; pedestrian/guard rail; relocate DS concrete encased utility or extend protection to cover utility	Project planning	50,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000056	10	Crockett Street South of Travis	Fredericksburg	Capture flow with curb/drop inlets along Travis, Crockett, Austin St	Project planning	100,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000057	10	Cross Mountain West	Fredericksburg	Drainage channel	Project planning	100,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000058	10	N Milam at West Travis	Fredericksburg	Curb inlets along Milam St	Project planning	150,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000122	10	Carriage Hills	Fredericksburg	Replace curb, add vegetated channel, increase capacity at Crabapple Pond, replace outlet structure	Project planning	100,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
101000123	10	Post Oak Subdivision	Fredericksburg	Improve channel from outlet to Pyka Rd; raise rd by 1/2 ft; add six 7'x3' box culverts	Project planning	150,000	138	3.64	5.47	491	4.2	6.23	0	0	0	6	2.93	5.85	0	0	0	0	0	409.13	4.11	21.66	1,370
041000028	4	Marshall Drainage Master Plan	Marshall	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	500,000	561	4.55	6.83	4312	5.5	8.19	0	0	0	0	0	0	0	0	0	17.81	2.88	221.51	3.74	21.64	1,382
031000202	3	Great Southwest Parkway & Pinewood Drive	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $3,998,200	Project planning	250,000	19	2.36	3.54	24102	6.5	9.75	0	0	0	5	2.72	5.43	0	0	0	2.11	1.20	7.95	1.70	21.62	1,383
031000248	3	South Fork Cottonwood Creek	Grand Prairie	from Great Southwest to Carrier; Estimated construction cost of $781,200	Project planning	250,000	19	2.36	3.54	24102	6.5	9.75	0	0	0	5	2.72	5.43	0	0	0	2.11	1.20	7.95	1.70	21.62	1,383
131000171	13	Sediment Removal in Lake Corpus Christi	Live Oak County	The accumulation of sediment in Lake Corpus Christi is a long-term concern. The 2001 Costal Bend Regional Water Plan studied a water supply option that involved the dredging of Lake Corpus Christi.	Project planning	2,536,000	702	4.70	7.05	675	4.3	6.52	0	0	0	0	0	0	35	4.29	2.15	7.18	2.15	227.73	3.76	21.61	1,385
151000406	15	Willacy County Precinct No.4 - Lateral G improvement	Willacy County	improve ~24,000 LF of Lateral G drain ditch	Project planning	457,005	371	4.28	6.43	763	4.4	6.63	0	0	0	0	0	0	5	2.33	1.17	19.77	2.96	679.37	4.43	21.61	1,386
111000152	11	Caldwell County Plum Creek Near US 183 and I-10 Intersection	Caldwell County	Evaluate projects to mitigate residential and commercial flooding on Plum Creek with consideration of influence from San Marcos River	Project planning	60,000	95	3.40	5.10	223	3.7	5.52	0	0	0	2	1.69	3.39	0	0	0	9.77	2.39	2324.60	5.18	21.58	1,387
151000276	15	City of Hidalgo - Northern Hidalgo Drainage Relief	Hidalgo	Widen existing drain ditches and acquire more ROW for the expansion to the USIBWC Floodway	Project planning	74,248	440	4.40	6.59	1650	4.9	7.33	1	0.67	1.68	0	0	0	0	0	0	8.75	2.31	193.52	3.66	21.56	1,388
081000942	8	Stream Crossing Upgrades	Taylor	Upgrade crossings at CR 368, 369, 445, and 424.	Project planning	463,000	31	2.68	4.01	33	2.5	3.79	0	0	0	4	2.46	4.92	19	3.67	1.84	3.58	1.60	3255.06	5.39	21.54	1,389
151000271	15	City of Alton - Calichera Project	Alton	Create a retention pond system from existing caliche pits and connect the pits to the Hidalgo County Drainage District No.1 MDS. One 1 pit to be used as a detention pond	Project planning	239,821	764	4.75	7.13	2301	5.1	7.63	0	0	0	0	0	0	0	0	0	14.06	2.69	398.20	4.10	21.54	1,390
151000325	15	City of Brownsville - Central Blvd/Stovall Rd connection improvements	Brownsville	Improve drainage system connecting Resaca	Project planning	80,087	462	4.43	6.64	2613	5.2	7.74	0	0	0	0	0	0	46	4.57	2.28	18.94	2.92	11.90	1.95	21.54	1,391
091000086	9	Schleicher County DMP	Schleicher County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	99	3.43	5.14	186	3.6	5.35	0	0	0	2	1.69	3.39	0	0	0	16.63	2.82	1263.95	4.81	21.51	1,392
091000087	9	Schleicher County FEMA Mapping	Schleicher County	Create FEMA Mapping in previously unmapped areas	Watershed planning	1,207,000	99	3.43	5.14	186	3.6	5.35	0	0	0	2	1.69	3.39	0	0	0	16.63	2.82	1263.95	4.81	21.51	1,392
091000088	9	Schleicher County GIS Development	Schleicher County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	99	3.43	5.14	186	3.6	5.35	0	0	0	2	1.69	3.39	0	0	0	16.63	2.82	1263.95	4.81	21.51	1,392
031000175	3	Hurstview Drive Bridge Improvement	Hurst	Lorean watershed; $ Estimated construction cost of390,000 cost estimate; from 2013 study	Project planning	250,000	68	3.18	4.78	16822	6.3	9.43	1	0.67	1.68	1	1.03	2.07	0	0	0	2.84	1.42	15.72	2.12	21.49	1,395
031000179	3	Redbud Drive Bridge Improvement	Hurst	Walker watershed; $ Estimated construction cost of1,200,000 cost estimate; from 2020 study	Project planning	250,000	68	3.18	4.78	16822	6.3	9.43	1	0.67	1.68	1	1.03	2.07	0	0	0	2.84	1.42	15.72	2.12	21.49	1,395
121000029	12	Apache Creek & Elmendorf Lake Dam	San Antonio	The Elmendorf Lake Dam area is prone to flooding and will require an extensive drainage project to mitigate the floodplain. A Preliminary Engineering Report (PER) will need to be provided to assess a feasible solution	Watershed planning	350,000	470	4.44	6.66	1568	4.9	7.28	2	1.10	2.75	0	0	0	41	4.45	2.22	6.48	2.07	0.92	0.51	21.48	1,397
101000080	10	Community Evacuation Plan	Jonestown	Community Evacuation Plan	Preparedness	25,000	321	4.19	6.29	562	4.2	6.35	0	0	0	2	1.69	3.39	0	0	0	2.48	1.32	422.69	4.13	21.48	1,398
031000382	3	Sub-project A4 - College Park Improvements	Richardson	Study to reduce flooding along College Park Boulevard and adjacent streets by replacing undersized storm sewer. Est const cost = $2,458,000	Project planning	250,000	322	4.19	6.29	313	3.9	5.82	13	2.48	6.20	0	0	0	0	0	0	9.65	2.38	1.65	0.78	21.48	1,399
011000004	1	Cottle County FIS	Cottle County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	926,000	7	1.71	2.57	3	1.1	1.64	0	0	0	5	2.72	5.43	5	2.33	1.17	33.46	3.38	71380.67	7.28	21.48	1,400
051000162	5	Needmore Diversion	Jefferson County Drainage District 6	Evaluate a diversion channel from downstream of Lower Mayhaw Bayou to Needmore	Project planning	75,000	483	4.46	6.68	611	4.3	6.43	0	0	0	0	0	0	0	0	0	33.52	3.38	1635.34	4.96	21.46	1,401
021000033	2	Wadley Hospital Flood Study	City of Texarkana	Flood study to define flood risk and mitigation options.	Project planning	250,000	226	3.96	5.95	1229	4.7	7.06	6	1.90	4.74	0	0	0	0	0	0	10.34	2.44	3.67	1.23	21.42	1,402
021000034	2	Urban Flooding at 19th and Wood Street	City of Texarkana	Flood study to define flood risk and mitigation options. Houses flood 4-5 times per year.	Project planning	250,000	226	3.96	5.95	1229	4.7	7.06	6	1.90	4.74	0	0	0	0	0	0	10.34	2.44	3.67	1.23	21.42	1,402
091000007	9	City of Brownfield DMP	Terry County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	250,000	245	4.02	6.02	537	4.2	6.31	0	0	0	1	1.03	2.07	0	0	0	17.78	2.87	416.09	4.13	21.40	1,404
071000010	7	Kent County Initial FEMA Mapping	Kent County	Create FEMA Mapping in previously unmapped areas	Watershed planning	965,000	38	2.81	4.21	3	1.1	1.64	1	0.67	1.68	4	2.46	4.92	0	0	0	40.56	3.54	3243.91	5.38	21.37	1,405
071000063	7	Kent County DMP	Kent County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	38	2.81	4.21	3	1.1	1.64	1	0.67	1.68	4	2.46	4.92	0	0	0	40.56	3.54	3243.91	5.38	21.37	1,405
071000100	7	Kent County GIS Development	Kent County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	38	2.81	4.21	3	1.1	1.64	1	0.67	1.68	4	2.46	4.92	0	0	0	40.56	3.54	3243.91	5.38	21.37	1,405
071000169	7	Kent County DCM	Kent County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	38	2.81	4.21	3	1.1	1.64	1	0.67	1.68	4	2.46	4.92	0	0	0	40.56	3.54	3243.91	5.38	21.37	1,405
071000170	7	Kent Flood Protection Lift Station Program	Kent County	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	Project planning	100,000	38	2.81	4.21	3	1.1	1.64	1	0.67	1.68	4	2.46	4.92	0	0	0	40.56	3.54	3243.91	5.38	21.37	1,405
071000039	7	City of Hamlin DMP	Hamlin	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	274	4.09	6.13	470	4.1	6.19	2	1.10	2.75	0	0	0	0	0	0	11.71	2.54	230.25	3.76	21.37	1,410
071000136	7	City of Hamlin Buyout Program	Hamlin	Acquire and demolish repetitive loss properties.	Project planning	1,000,000	274	4.09	6.13	470	4.1	6.19	2	1.10	2.75	0	0	0	0	0	0	11.71	2.54	230.25	3.76	21.37	1,410
071000137	7	City of Hamlin Floodplain Open Space Program	Hamlin	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	500,000	274	4.09	6.13	470	4.1	6.19	2	1.10	2.75	0	0	0	0	0	0	11.71	2.54	230.25	3.76	21.37	1,410
071000138	7	City of Hamlin Floodproof Sewage Plant Program	Hamlin	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	Project planning	100,000	274	4.09	6.13	470	4.1	6.19	2	1.10	2.75	0	0	0	0	0	0	11.71	2.54	230.25	3.76	21.37	1,410

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
071000139	7	City of Hamlin Higher Standards Program	Hamlin	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulativ	Project planning	100,000	274	4.09	6.13	470	4.1	6.19	2	1.10	2.75	0	0	0	0	0	0	11.71	2.54	230.25	3.76	21.37	1,410
031000500	3	Floodplain Mapping Updates of Timber Creek Tributary 13	Flower Mound	Floodplain mapping of Timber Creek Tributary 13 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	159	3.74	5.60	857	4.5	6.73	13	2.48	6.20	0	0	0	0	0	0	15.47	2.76	0	0	21.30	1,415
011000099	1	Dalhart City Drainage Master Plan	Dalhart	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	887	4.85	7.27	1448	4.8	7.21	0	0	0	1	1.03	2.07	1	0.89	0.44	21.01	3.01	4.00	1.28	21.29	1,416
011000111	1	City of Dalhart GIS Development	Dalhart	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	887	4.85	7.27	1448	4.8	7.21	0	0	0	1	1.03	2.07	1	0.89	0.44	21.01	3.01	4.00	1.28	21.29	1,416
151000373	15	Harlingen Irrigation District - Ebony / 800 Expansion	Harlingen Irrigation District	Culvert improvements under TxDOT roadways to move storm water.	Project planning	300,000	121	3.56	5.34	199	3.6	5.41	1	0.67	1.68	0	0	0	15	3.44	1.72	7.74	2.21	1517.13	4.92	21.27	1,418
051000050	5	City of Silsbee Master Drainage Plan	Silsbee	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	320,000	88	3.35	5.03	616	4.3	6.44	2	1.10	2.75	3	2.14	4.27	3	1.84	0.92	2.23	1.24	1.21	0.63	21.27	1,419
151000441	15	City of La Feria - Holistic HUC Flood Protection Study	La Feria	Develop flood risk maps for the City of La Feria and develop CIP.	Watershed planning	1,500,000	506	4.49	6.73	964	4.6	6.84	0	0	0	0	0	0	20	3.73	1.86	12.82	2.61	95.29	3.22	21.26	1,420
091000008	9	City of Colorado City DMP	Mitchell County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	250,000	143	3.67	5.50	252	3.8	5.63	2	1.10	2.75	1	1.03	2.07	0	0	0	10.13	2.42	55.57	2.89	21.26	1,421
151000295	15	City of San Juan - San Juan Downtown Revitalization Project Phase I, II and III	San Juan	Install new curb inlets, grate inlets, storm drain manholes, and pipes, then connect new system to existing City storm sewer system	Project planning	312,535	473	4.44	6.66	2088	5.0	7.54	1	0.67	1.68	0	0	0	0	0	0	20.46	2.99	24.28	2.38	21.25	1,422
061000153	6	Downtown Cleveland Drainage Line Installation	Cleveland	Further study of proposed larger drainage lines in downtown Cleveland to reduce flooding.	Project planning	50,000	260	4.05	6.08	1037	4.6	6.91	0	0	0	1	1.03	2.07	1	0.89	0.44	27.33	3.22	28.88	2.49	21.21	1,423
061000167	6	City of Cleveland Drainage Improvements	Cleveland	Further study of proposed city of cleveland drainage improvements.	Project planning	410,000	260	4.05	6.08	1037	4.6	6.91	0	0	0	1	1.03	2.07	1	0.89	0.44	27.33	3.22	28.88	2.49	21.21	1,423
061000229	6	City of Cleveland Master Drainage Plan	Cleveland	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	400,000	260	4.05	6.08	1037	4.6	6.91	0	0	0	1	1.03	2.07	1	0.89	0.44	27.33	3.22	28.88	2.49	21.21	1,423
071000025	7	Scurry County Update FEMA Mapping	Scurry County	Update existing FEMA mapping	Watershed planning	897,000	13	2.11	3.17	23	2.3	3.46	0	0	0	6	2.93	5.85	0	0	0	17.88	2.88	6805.37	5.84	21.20	1,426
071000070	7	Scurry County DMP	Scurry County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	13	2.11	3.17	23	2.3	3.46	0	0	0	6	2.93	5.85	0	0	0	17.88	2.88	6805.37	5.84	21.20	1,426
071000108	7	Scurry County GIS Development	Scurry County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	13	2.11	3.17	23	2.3	3.46	0	0	0	6	2.93	5.85	0	0	0	17.88	2.88	6805.37	5.84	21.20	1,426
071000185	7	Scurry County DCM	Scurry County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	13	2.11	3.17	23	2.3	3.46	0	0	0	6	2.93	5.85	0	0	0	17.88	2.88	6805.37	5.84	21.20	1,426
071000186	7	Scurry County Relocate Critical Facilities High Hazard	Scurry County	Relocate critical facilities out of high hazard areas.	Project planning	2,000,000	13	2.11	3.17	23	2.3	3.46	0	0	0	6	2.93	5.85	0	0	0	17.88	2.88	6805.37	5.84	21.20	1,426
061000451	6	South Frazier - Grand Lake Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	365	4.27	6.41	1381	4.8	7.17	5	1.76	4.40	0	0	0	0	0	0	6.67	2.09	2.99	1.11	21.18	1,431
061000452	6	Rivershire East - Grand Lake Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	365	4.27	6.41	1381	4.8	7.17	5	1.76	4.40	0	0	0	0	0	0	6.67	2.09	2.99	1.11	21.18	1,431
151000292	15	City of Pharr - Pharr Detention Pond Study	Pharr	Complete drainage study for detention pond(s) for the City of Pharr	Project planning	274,988	682	4.68	7.02	2547	5.1	7.72	1	0.67	1.68	0	0	0	0	0	0	20.04	2.97	9.08	1.78	21.17	1,433
101000181	10	Harris Hollow Neighborhood Flooding	Menard County	Study area often flooded during large storm events.	Project planning	100,000	107	3.48	5.22	104	3.2	4.83	1	0.67	1.68	10	3.52	7.04	0	0	0	0	0	25.12	2.40	21.16	1,434
041000020	4	Vidor Drainage Master Plan	Vidor	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	1,200,000	1154	5.02	7.53	2001	5.0	7.50	0	0	0	0	0	0	0	0	0	25.67	3.17	58.08	2.92	21.12	1,435
151000082	15	Jim Hogg County	Jim Hogg County	Develop Flood risk maps for the county of Jim Hogg and develop CIP	Watershed planning	250,000	42	2.87	4.31	18	2.2	3.24	1	0.67	1.68	1	1.03	2.07	0	0	0	16.17	2.80	45303.57	7.00	21.10	1,436
131000063	13	Lattas Creek Improvements	Alice	Concrete line Lattas Creek to improved drainage capacity.	Project planning	150,000	72	3.22	4.83	172	3.5	5.28	0	0	0	3	2.14	4.27	47	4.59	2.29	2.93	1.44	63.02	2.97	21.09	1,437
061000145	6	Jamica Cove Rd. Survey	Jamaica Beach	Engineering assessment needed to determine if elevating the road would reduce future flooding impacts.	Project planning	140,000	1276	5.09	7.63	275	3.8	5.71	4	1.59	3.98	0	0	0	0	0	0	13.81	2.67	2.83	1.08	21.07	1,438
061000251	6	City of Jamaica Beach Master Drainage Plan	Jamaica Beach	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	140,000	1276	5.09	7.63	275	3.8	5.71	4	1.59	3.98	0	0	0	0	0	0	13.81	2.67	2.83	1.08	21.07	1,438
151000395	15	Willacy County Drainage District No.1 - HW 186 East Drainage Extension	Willacy County Drainage District 1	Connectivity/extension of current drainage facilities. Residents currently flood.	Project planning	456,000	220	3.95	5.92	824	4.5	6.70	0	0	0	0	0	0	21	3.77	1.89	7.75	2.21	609.12	4.36	21.07	1,440
151000316	15	City of South Padre Island - SPI White Sands Washout Prevention	South Padre Island	Develop temporary sea wall to minimize washout	Project planning	20,970	300	4.15	6.22	555	4.2	6.34	1	0.67	1.68	0	0	0	59	4.82	2.41	8.55	2.29	15.70	2.12	21.05	1,441
031000012	3	Grimes County FEMA Mapping	Grimes County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,334,000	109	3.49	5.24	1296	4.7	7.11	0	0	0	0	0	0	0	0	0	13.04	2.62	9748.66	6.06	21.03	1,442
061000122	6	Widen Drainage Systems and Culverts in City of Clear Lake Shores	Clear Lake Shores	Further study to widen drainage systems and increase culvert size to accommodate increased water flows. Coordinate efforts with water district.	Project planning	100,000	633	4.63	6.95	2597	5.2	7.74	4	1.59	3.98	0	0	0	0	0	0	8.83	2.31	0	0	20.98	1,443
061000228	6	City of Clear Lake Shores Master Drainage Plan	Clear Lake Shores	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall	Watershed planning	140,000	633	4.63	6.95	2597	5.2	7.74	4	1.59	3.98	0	0	0	0	0	0	8.83	2.31	0	0	20.98	1,443
051000061	5	Hall Street over White Oak Creek Bridge Improvements	Diboll	Evaluate alternatives to elevate bridge over White Oak Creek on Hall St going into the park	Project planning	103,000	155	3.72	5.58	593	4.3	6.40	6	1.90	4.74	0	0	0	0	0	0	7.21	2.15	15.35	2.10	20.97	1,445
061000348	6	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F216-00-00	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for more than 450 structures in an Atlas 14 1% rainfall event.	Project planning	30,000	384	4.31	6.46	800	4.4	6.67	7	2.01	5.03	0	0	0	0	0	0	10.15	2.42	0.67	0.39	20.97	1,446
151000318	15	City of South Padre Island - SPI drainage study/identification of infrastructure improvements.	South Padre Island	Identify drainage issues and develop storm sewer system and outfall for Gulf Blvd	Project planning	250,000	510	4.49	6.74	1545	4.8	7.27	1	0.67	1.68	0	0	0	81	5.14	2.57	14.66	2.72	0	0	20.97	1,447
031000506	3	Floodplain Mapping Updates of Unnamed 5 Tributary 1.2	Flower Mound	Floodplain mapping of Unnamed 5 Tributary 1.2 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	58,000	91	3.37	5.06	82	3.1	4.61	29	3.09	7.72	0	0	0	0	0	0	7.99	2.23	4.27	1.32	20.95	1,448
081001156	8	FM 2818 Crossing & Channel Improvements (FM- 2818 to Welsh) & Detention Pond	College Station	Update design to account for Atlas 14 rainfall.	Project planning	100,000	22	2.45	3.68	45	2.7	4.07	1	0.67	1.68	9	3.40	6.79	7	2.67	1.33	1.22	0.83	32.55	2.56	20.94	1,449
151000324	15	City of Brownsville - Colonia Galaxia Outfall improvements.	Brownsville	Addition of Pump station to pump water into Rio Grande	Project planning	234,422	480	4.45	6.68	1258	4.7	7.08	0	0	0	0	0	0	6	2.52	1.26	13.96	2.68	98.48	3.24	20.94	1,450
151000043	15	Clark Rd & Mile 1 E Improvements	Hidalgo County Drainage District 1	Channel Improvements- Ditch 19,19B,19H,23; Local Drainage Improvements-Los Laureles; Local Detention-Los Laureles; Local Drainage Improvements-Clark road and Mile 1 Road; and Bypass Channel and Sump Area for Pump Station	Project planning	1,527,000	368	4.28	6.42	1400	4.8	7.18	0	0	0	0	0	0	0	0	0	7.85	2.22	2110.56	5.12	20.94	1,451
111000079	11	City of Waelder Voluntary Buyout Program Project Planning	Waelder	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	Project planning	150,000	170	3.78	5.67	207	3.6	5.45	0	0	0	9	3.40	6.79	0	0	0	4.01	1.69	4.33	1.33	20.93	1,452
091000016	9	City of Sterling City DMP	Sterling County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	250,000	132	3.61	5.42	148	3.4	5.15	0	0	0	7	3.10	6.21	0	0	0	4.97	1.86	20.75	2.29	20.92	1,453
051000088	5	Hardin County Reservoir	Hardin County	H&H study of large reservoir for flood control / drought assistance.	Project planning	500,000	648	4.65	6.97	1000	4.6	6.87	1	0.67	1.68	0	0	0	0	0	0	13.68	2.66	43.22	2.74	20.92	1,454

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
051000091	5	Hardin County Pinewood Drainage Improvements	Hardin County	H&H Study to identify alternatives for improving existing drainage within Pinewood.	Project planning	350,000	648	4.65	6.97	1000	4.6	6.87	1	0.67	1.68	0	0	0	0	0	0	13.68	2.66	43.22	2.74	20.92	1,454
051000086	5	Hardin County Boggy Creek Detention Pond	Hardin County	H&H Study to develop alternatives for detention on Boggy Creek.	Project planning	150,000	648	4.65	6.97	1000	4.6	6.87	1	0.67	1.68	0	0	0	0	0	0	13.65	2.66	43.22	2.74	20.92	1,456
061000511	6	Luce Bayou - Neighborhood Future Floodplain Analysis	Harris County	Watershed-wide study investigating neighborhoods at flood risks identified though MAAPNext and best available data for the development of flood mitigation projects for Luce Bayou watershed.	Watershed planning	2,612,000	772	4.76	7.14	717	4.4	6.57	0	0	0	0	0	0	0	0	0	40.68	3.54	190.57	3.65	20.90	1,457
061000532	6	Luce Bayou Local Drainage Study	Harris County	The main objective of this study is to analyze local subdivision drainage of repetitive loss and high flood risks neighborhoods to produce flood mitigation projects in Luce Bayou watershed.	Watershed planning	328,000	772	4.76	7.14	717	4.4	6.57	0	0	0	0	0	0	0	0	0	40.68	3.54	190.57	3.65	20.90	1,457
151000404	15	Willacy County Precinct No.4 - Lyford South Various Drain Ditch improvement	Willacy County	Improve ~6,000 LF of drain ditch or swales, including ~600 LF of 18" RCP Culverts with S.E.T.	Project planning	38,952	233	3.98	5.97	381	4.0	6.00	0	0	0	0	0	0	25	3.95	1.98	8.78	2.31	900.65	4.60	20.86	1,459
041000077	4	Turtle Creek Maintenance Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	10,000	188	3.84	5.77	2029	5.0	7.51	0	0	0	0	0	0	0	0	0	104.31	4.30	104.31	3.28	20.85	1,460
091000004	9	Borden FEMA Mapping	Borden County	Create FEMA Mapping in previously unmapped areas	Watershed planning	887,000	69	3.19	4.79	20	2.2	3.34	0	0	0	2	1.69	3.39	0	0	0	26.08	3.18	10740.18	6.12	20.82	1,461
071000008	7	Fisher County Initial FEMA Mapping	Fisher County	Create FEMA Mapping in previously unmapped areas	Watershed planning	859,000	120	3.55	5.33	89	3.1	4.69	0	0	0	0	0	0	0	0	0	89.15	4.17	23747.18	6.61	20.79	1,462
071000059	7	Fisher County DMP	Fisher County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	120	3.55	5.33	89	3.1	4.69	0	0	0	0	0	0	0	0	0	89.15	4.17	23747.18	6.61	20.79	1,462
071000095	7	Fisher County GIS Development	Fisher County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	120	3.55	5.33	89	3.1	4.69	0	0	0	0	0	0	0	0	0	89.15	4.17	23747.18	6.61	20.79	1,462
071000150	7	City of Rotan Higher Standards Program	Rotan	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulativ	Project planning	100,000	120	3.55	5.33	89	3.1	4.69	0	0	0	0	0	0	0	0	0	89.15	4.17	23747.18	6.61	20.79	1,462
071000162	7	Fisher County DCM	Fisher County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	120	3.55	5.33	89	3.1	4.69	0	0	0	0	0	0	0	0	0	89.15	4.17	23747.18	6.61	20.79	1,462
151000372	15	Harlingen Irrigation District - Morris Rd Connectivity	Harlingen Irrigation District	Connectivity needed for neighborhoods in Morris Rd Area.	Project planning	300,000	211	3.92	5.88	571	4.2	6.37	0	0	0	0	0	0	32	4.20	2.10	6.02	2.01	670.44	4.42	20.77	1,467
031000205	3	Shady Grove Rd - Jones St Storm Drainage Improvements	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,679,200	Project planning	250,000	140	3.65	5.48	4325	5.5	8.20	1	0.67	1.68	0	0	0	0	0	0	4.85	1.84	168.96	3.57	20.76	1,468
031000223	3	Jelmak Rd - Hardrock Rd	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $5,095,800	Project planning	255,000	140	3.65	5.48	4325	5.5	8.20	1	0.67	1.68	0	0	0	0	0	0	4.85	1.84	168.96	3.57	20.76	1,468
081000717	8	Old Reliance Road Overtopping	Bryan	Study to determine design of culvert improvements.	Project planning	51,000	130	3.61	5.41	397	4.0	6.04	0	0	0	2	1.69	3.39	18	3.62	1.81	1.39	0.91	90.26	3.19	20.74	1,470
051000007	5	Henderson County Update Flood Hazard Mapping	Henderson County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,681,614	240	4.00	6.00	162	3.5	5.23	0	0	0	1	1.03	2.07	1	0.89	0.44	20.05	2.97	347.51	4.01	20.73	1,471
051000028	5	Henderson County Master Drainage Plan	Henderson County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,900,000	240	4.00	6.00	162	3.5	5.23	0	0	0	1	1.03	2.07	1	0.89	0.44	20.05	2.97	347.51	4.01	20.73	1,471
031000289	3	Hogpen Creek and Detention Facilities H&H Modeling Update	Mansfield	Detailed headwaters study completed with detention. Needs a connectivity H&H modeling with identified detention.	Watershed planning	115,000	43	2.89	4.33	11764	6.1	9.10	1	0.67	1.68	1	1.03	2.07	0	0	0	1.45	0.94	34.12	2.59	20.71	1,473
131000057	13	Northern San Diego Drainage Improvement Project	San Diego, Duval	Drainage improvements to subsurface drainage systems - installation of new underground drainage infrastructure along Luby street; expansion and improvements to Dix Street System	Project planning	25,000	268	4.07	6.11	698	4.4	6.55	0	0	0	0	0	0	67	4.95	2.47	11.05	2.49	69.14	3.02	20.65	1,474
131000062	13	Southern San Diego Drainage Improvement Project	San Diego, Duval	New underground stormwater collection system along Collins Street, including interconnections between existing and new infrastructure.	Project planning	25,000	268	4.07	6.11	698	4.4	6.55	0	0	0	0	0	0	67	4.95	2.47	11.05	2.49	69.14	3.02	20.65	1,474
031000493	3	Floodplain Mapping Updates of Stream WC-3	Flower Mound	Floodplain mapping of Stream WC-3 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	69	3.19	4.79	56	2.8	4.27	14	2.54	6.34	0	0	0	0	0	0	13.88	2.67	32.41	2.56	20.63	1,476
031000283	3	Whites Bayou/Spring Branch Flood Study	Chambers County	Flood study north of I-10 through Hankamer	Watershed planning	458,000	205	3.90	5.85	259	3.8	5.65	1	0.67	1.68	0	0	0	0	0	0	5.30	1.91	3806.31	5.48	20.57	1,477
151000384	15	City of Santa Rosa - Santa Rosa Connectivity	Santa Rosa	Connectivity needed to alleviate major flooding during 50-year storms. Connection of Santa Rosa to surrounding area	Project planning	45,989	248	4.02	6.04	550	4.2	6.33	0	0	0	0	0	0	24	3.91	1.95	5.58	1.95	546.38	4.29	20.56	1,478
081001146	8	Waller County Master Drainage Plan	Waller County	Study to determine food risk and potential solutions throughout the county.	Watershed planning	1,430,000	2038	5.39	8.08	1327	4.8	7.13	0	0	0	0	0	0	0	0	0	90.22	4.18	3.29	1.17	20.56	1,479
131000198	13	Risk Area 21 - FM 665 & CR 69 Area	Robstown	Floodwaters overtop portions of FM 65 causing mobility issues. The residential area is inundated by runoff from the North.	Project planning	100,000	50	2.99	4.48	73	3.0	4.51	11	2.35	5.88	0	0	0	0	0	0	2.44	1.31	604.41	4.35	20.53	1,480
131000206	13	Risk Area 22 - Petronila Acres	Robstown	Runoff from stream B-07 and UNT 1 to B-07 spill over and flow through the residential areas of Petronilla acres as it flows towards stream B-15.	Project planning	250,000	50	2.99	4.48	73	3.0	4.51	11	2.35	5.88	0	0	0	0	0	0	2.44	1.31	604.41	4.35	20.53	1,480
041000051	4	West Orange Drainage Improvements Study	West Orange	West Orange Drainage Improvements Study to quantify benefits, evaluate impacts, and begin design.	Project planning	350,000	1143	5.01	7.52	2020	5.0	7.51	0	0	0	0	0	0	0	0	0	20.23	2.98	30.46	2.52	20.53	1,482
061000202	6	Little Cypress Creek - L113-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for L113-00-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	300,000	182	3.82	5.73	471	4.1	6.19	0	0	0	3	2.14	4.27	3	1.84	0.92	3.91	1.67	7.98	1.70	20.48	1,483
151000351	15	City of Palm Valley - Palm Valley Master Drainage Study	Palm Valley	Master drainage study map needed. Structures have never been mapped	Watershed planning	250,000	203	3.89	5.84	379	4.0	6.00	0	0	0	0	0	0	71	5.00	2.50	10.68	2.47	192.60	3.65	20.46	1,484
081000646	8	Briar Creek Improvements	Bryan	Channel and crossing improvements along Briar Creek and Red River Trib to increase capacity of hydraulic infrastructure.	Project planning	364,000	100	3.43	5.15	191	3.6	5.38	0	0	0	5	2.72	5.43	15	3.44	1.72	1.89	1.12	7.38	1.65	20.45	1,485
081001033	8	Philips Event Center Detention Pond at Hole 8 - Maintenance and Dredging	Bryan	Maintenance on detention pond to increase storage.	Project planning	129,000	100	3.43	5.15	191	3.6	5.38	0	0	0	5	2.72	5.43	15	3.44	1.72	1.89	1.12	7.38	1.65	20.45	1,485
081001035	8	Improve Undersized Storm Sewers in Briar Creek DB	Bryan	Update modeling to Atlas 14 to determine appropriate sizing for storm sewer in the region.	Project planning	100,000	100	3.43	5.15	191	3.6	5.38	0	0	0	5	2.72	5.43	15	3.44	1.72	1.89	1.12	7.38	1.65	20.45	1,485
151000442	15	City of Elsa - Holistic HUC Flood Protection Study	Elsa	Develop flood risk maps for the City of Elsa and develop CIP.	Watershed planning	1,500,000	469	4.44	6.66	1377	4.8	7.16	0	0	0	0	0	0	0	0	0	13.65	2.66	308.17	3.94	20.42	1,488
051000055	5	City of Nacogdoches Update Flood Control Study	Nacogdoches	Conduct Flood Control Study and implement actions such as channelization, detention, retention, etc to stop repetitive flood losses.	Watershed planning	1,080,000	446	4.40	6.61	3965	5.4	8.12	1	0.67	1.68	0	0	0	0	0	0	13.78	2.67	4.43	1.35	20.42	1,489
051000078	5	City of Nacogdoches Flood Mitigation Project	Nacogdoches	H&H study to mitigate the wide-spread flooding that occurs along LaNana and Banita Creeks in the City of Nacogdoches	Project planning	100,000	446	4.40	6.61	3965	5.4	8.12	1	0.67	1.68	0	0	0	0	0	0	13.78	2.67	4.43	1.35	20.42	1,489
151000383	15	City of Santa Rosa - Santa Rosa - 107 Channel / Crossover	Santa Rosa	Expansion of channel and culvert rossings at railroad tracks.	Project planning	389,427	237	3.99	5.99	535	4.2	6.31	0	0	0	0	0	0	24	3.91	1.95	5.19	1.89	529.51	4.27	20.42	1,491
051000008	5	Houston County Update Flood Hazard Mapping	Houston County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,697,174	17	2.29	3.43	16	2.1	3.13	0	0	0	7	3.10	6.21	7	2.67	1.33	19.70	2.96	116.87	3.35	20.41	1,492

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
051000029	5	Houston County Master Drainage Plan	Houston County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	610,983	17	2.29	3.43	16	2.1	3.13	0	0	0	7	3.10	6.21	7	2.67	1.33	19.70	2.96	116.87	3.35	20.41	1,492
051000096	5	Houston County Earthen Dike Construction	Houston County	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of an earthen dike to elevate emergency vehicle access road to critical facilities to provide protection to the 500-year flood level.	Project planning	16,972	17	2.29	3.43	16	2.1	3.13	0	0	0	7	3.10	6.21	7	2.67	1.33	19.70	2.96	116.87	3.35	20.41	1,492
061000084	6	City of Bayou Vista Master Drainage Plan	Bayou Vista	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	130,000	1122	5.00	7.50	1476	4.8	7.23	3	1.38	3.46	0	0	0	0	0	0	7.71	2.20	0	0	20.39	1,495
061000158	6	City of Bayou Vista Canal Dredging Study	Bayou Vista	Plan for Canal Dredging to reduce sediment deposited during storm events. Study to develop and implement canal dredging program.	Project planning	130,000	1122	5.00	7.50	1476	4.8	7.23	3	1.38	3.46	0	0	0	0	0	0	7.71	2.20	0	0	20.39	1,495
151000048	15	N Tower	Hidalgo County Drainage District 1	Local Drainage Improvements-Storm Drain North of Minnesota Road	Project planning	201,000	299	4.14	6.22	922	4.5	6.80	1	0.67	1.68	0	0	0	0	0	0	4.03	1.69	334.79	3.99	20.38	1,497
061000117	6	City of Bayou Vista - Drainage Improvement Program	Bayou Vista	Study to develop drainage improvement program to reduce standing water and runoff, and reduce minor flooding for residents located in District No. 12.	Project planning	100,000	1123	5.00	7.50	1477	4.8	7.23	3	1.38	3.46	0	0	0	0	0	0	7.47	2.18	0	0	20.37	1,498
151000041	15	TX 88 & W Sugar Cane Dr Improvements	Hidalgo County Drainage District 1	Channel Improvements- Ditch 17B2A1, Ditch 17B2A1 Detention West, Local Drainage Improvements (North of W Sugar Cane West of Ditch17B2A1), Ditch 17B2A1 Detention East, and Local Drainage Improvements (North of W Sugar Cane East of Ditch17B2A1)	Project planning	376,000	405	4.34	6.51	1659	4.9	7.33	0	0	0	0	0	0	0	0	0	8.61	2.29	492.45	4.23	20.36	1,499
061000296	6	City of Webster Master Drainage Plan	Webster	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	280,000	209	3.91	5.87	1940	5.0	7.47	0	0	0	1	1.03	2.07	1	0.89	0.44	8.49	2.28	18.74	2.22	20.36	1,500
031000009	3	Fannin County FEMA Mapping	Fannin County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,183,000	139	3.65	5.47	3926	5.4	8.11	0	0	0	0	0	0	0	0	0	4.40	1.76	1782.81	5.02	20.36	1,501
031000080	3	Fannin County DMP	Fannin County	Evaluate County and identify future projects.	Watershed planning	500,000	139	3.65	5.47	3926	5.4	8.11	0	0	0	0	0	0	0	0	0	4.40	1.76	1782.81	5.02	20.36	1,501
101000226	10	City of Hays Drainage Master Plan Update	Hays	Update data used for the 2017 DMP and available H&H models using Atlas 14 rainfall. Assess flood risk and exposure for the 10-, 25-, 100-, and 500-year flood events. Identify priority flood risk and evaluate to recommend flood risk reduction measures	Project planning	200,000	83	3.31	4.97	148	3.4	5.15	0	0	0	6	2.93	5.85	0	0	0	0.93	0.67	210.62	3.71	20.34	1,503
151000024	15	Los Fresno's Action #13	Los Fresnos	Upgrade culverts and install drainage improvements at various locations to increase capacity and reduce risk of flood damages. Purchase trailer mounted water trash pump to reduce or eliminate flooding. Drainage Improvement locations: Drainage Ditch South of Highway 100 causes flooding on East Fifth Street, East Sixth Street, East Seventh Street, East Eighth Street, East Ninth Street and East Tenth Street. South Nogal Street Causes Flooding on West First Street, West Second Street, West Third Street, Valle Alto Street & Bougainvillea Street, Jacqueline Street & North Canal Street Drain Pipe Collapse, Olmo Street from West Eighth Street to West Tenth Street, Holly Lane Drain Under Canal, Pasto Drive at California Road Drain Under Canal, and Resaca Escondido Drain Pipe Collapse. The following Resaca Crossings are Too Low: Henderson Road East Side, Henderson Road West Side, and Whipple Road West Side.	Project planning	1,848,000	315	4.18	6.27	789	4.4	6.66	2	1.10	2.75	0	0	0	0	0	0	9.49	2.37	21.25	2.30	20.34	1,504
051000001	5	Anderson County Update Flood Hazard Mapping	Anderson County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	2,236,919	69	3.19	4.79	61	2.9	4.34	0	0	0	2	1.69	3.39	2	1.46	0.73	22.20	3.05	348.31	4.02	20.32	1,505
051000023	5	Anderson County Master Drainage Plan	Anderson County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	737,953	69	3.19	4.79	61	2.9	4.34	0	0	0	2	1.69	3.39	2	1.46	0.73	22.20	3.05	348.31	4.02	20.32	1,505
121000035	12	Mitigate local flooding in identified problem areas	Poth	Identify problem flooding areas and implement a program to reduce loaclized flooding	Project planning	5,000	69	3.19	4.79	100	3.2	4.79	0	0	0	6	2.93	5.85	25	3.95	1.98	1.55	0.98	11.58	1.93	20.32	1,507
121000040	12	Install early warning systems	Poth	Conduct a feasibility study that evaluates the coverage area, property ownership and availability, power requirements, telemetry requirements, technology, cost, and other local considerations. Based on study findings, install an emergency warning systems	Project planning	100,000	69	3.19	4.79	100	3.2	4.79	0	0	0	6	2.93	5.85	25	3.95	1.98	1.55	0.98	11.58	1.93	20.32	1,507
121000041	12	Drainage Study Marcelinas Creek and its major tributary	Poth	Marcelinas Creek has a floodplain that runs through the center of the city. Install stream gauges and identify alternatives to mitigate flooding. Implement study findings.	Project planning	250,727	69	3.19	4.79	100	3.2	4.79	0	0	0	6	2.93	5.85	25	3.95	1.98	1.55	0.98	11.58	1.93	20.32	1,507
121000096	12	Install pipe gates to close off streets	Poth	Install automated systems at low-water crossings with high rate of vehicular access resulting in frequency of accidents and loss of life.	Preparedness	250,000	69	3.19	4.79	100	3.2	4.79	0	0	0	6	2.93	5.85	25	3.95	1.98	1.55	0.98	11.58	1.93	20.32	1,507
151000382	15	City of Santa Rosa - Santa Rosa Drainage System Improvements	Santa Rosa	Clay lines in place. Total system infrastructure improvements needed. Manholes collapse.	Project planning	389,427	267	4.07	6.11	589	4.3	6.39	0	0	0	0	0	0	20	3.73	1.86	4.36	1.75	467.17	4.20	20.31	1,511
031000185	3	North Grand Prairie High School Pond Crossing	Grand Prairie	Study update - Gopher Creek 430 feet north of Small Hill St; channel improvements; Estimated construction cost of $159,500	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000187	3	Small Hill St at Gopher Creek	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $307,700	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000189	3	East Tarrant Rd at Gopher Creek	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $381,300	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000190	3	NE 5th St at Gopher Creek	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $390,200	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000192	3	High School Drive at Gopher Creek	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $402,400	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000195	3	West Park Square Rd at Turner Branch	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $445,200	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000209	3	East Main St & NE 14th St	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $5,879,400	Project planning	294,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000238	3	Gopher Creek Stream Bottom Stabilization	Grand Prairie	downstream of NE 5th Street; between High School Drive and NE 5th Street; downstream of Belt Line Road; Estimated construction $65,600 + Estimated construction $127,300; downstream of High School Drive; Estimated construction cost of $70,500	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
031000239	3	Turner Branch Stream Bottom Stabilization	Grand Prairie	380 feet south of Small Hill Street to 450 feet north of East Tarrant Road; Estimated construction cost of $187,200 (?)	Project planning	250,000	18	2.32	3.49	9924	6.0	8.95	2	1.10	2.75	0	0	0	0	0	0	3.37	1.55	160.73	3.54	20.27	1,512
071000019	7	Eastland County Update FEMA Mapping	Eastland County	Update existing FEMA mapping	Watershed planning	327,000	116	3.53	5.30	135	3.4	5.06	0	0	0	2	1.69	3.39	0	0	0	11.73	2.54	325.32	3.97	20.26	1,521
071000094	7	Eastland County GIS Development	Eastland County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	116	3.53	5.30	135	3.4	5.06	0	0	0	2	1.69	3.39	0	0	0	11.73	2.54	325.32	3.97	20.26	1,521

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
071000161	7	Eastland County DCM	Eastland County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	116	3.53	5.30	135	3.4	5.06	0	0	0	2	1.69	3.39	0	0	0	11.73	2.54	325.32	3.97	20.26	1,521
031000498	3	Floodplain Mapping Updates of Timber Creek Tributary 10	Flower Mound	Floodplain mapping of Timber Creek Tributary 10 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	55,000	162	3.75	5.62	153	3.5	5.18	17	2.68	6.71	0	0	0	0	0	0	14.96	2.74	0	0	20.24	1,524
041000097	4	Bighead Creek Flooding	Kilgore	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	57	3.07	4.61	122	3.3	4.97	3	1.38	3.46	0	0	0	0	0	0	79.06	4.07	79.06	3.11	20.22	1,525
151000027	15	Port Isabel Action #19	Port Isabel	Elevate and widen coastal roads as well as evacuation routes to reduce risk of flood damages and maintain emergency access	Project planning	554,000	767	4.76	7.13	1047	4.6	6.91	0	0	0	0	0	0	116	5.50	2.75	8.87	2.32	2.90	1.10	20.21	1,526
031000229	3	Detention Basin at St. Michael's Church Vacant Property and Relief Storm Drains in Corn Valley Rd and Neighboring Streets from Santa Anna to Kirby Creek Channel	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $18,766,400	Project planning	938,000	10	1.94	2.92	35832	6.7	10.11	0	0	0	2	1.69	3.39	0	0	0	1.21	0.82	61.32	2.95	20.19	1,527
151000003	15	City of Brownsville Action #1	Brownsville	Upgrade and increase culverts at specific locations in City in order to adequately convey storm water. Selected locations including Boca Chica Blvd. area, International Blvd., North Main drainage ditch	Project planning	396,000	348	4.24	6.37	2149	5.0	7.56	0	0	0	0	0	0	31	4.17	2.08	9.88	2.40	8.32	1.73	20.14	1,528
101000091	10	Harden City Buildings, Critical Infrastructure	Victoria	Harden city buildings, critical infrastructure	Project planning	100,000	368	4.28	6.42	1942	5.0	7.47	1	0.67	1.68	0	0	0	0	0	0	0	0	849.05	4.56	20.13	1,529
061000239	6	City of Galena Park Master Drainage Plan	Galena Park	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	250,000	205	3.90	5.85	465	4.1	6.18	9	2.20	5.50	0	0	0	0	0	0	2.64	1.37	3.45	1.20	20.10	1,530
131000199	13	Risk Area 09 - IH 69E Crossing	Robstown	The interstate crossing becomes inundated and causes mobility issues for the area.	Project planning	100,000	13	2.11	3.17	133	3.4	5.05	18	2.73	6.82	0	0	0	0	0	0	2.04	1.18	278.17	3.88	20.09	1,531
031000291	3	Walnut Creek Watershed Study	Burleson	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Watershed planning	150,000	34	2.74	4.10	908	4.5	6.79	0	0	0	5	2.72	5.43	0	0	0	0.72	0.54	95.48	3.22	20.08	1,532
101000021	10	Caldwell Rd & Wet Weather Creek	Bastrop County	LWC to Culvert Cast-in-place multi-box (2) culvert-bridge	Project planning	100,000	149	3.69	5.54	334	3.9	5.88	0	0	0	1	1.03	2.07	0	0	0	2.67	1.38	2401.85	5.20	20.07	1,533
091000039	9	Glasscock County DMP	Glasscock County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	141	3.66	5.49	74	3.0	4.52	0	0	0	0	0	0	0	0	0	33.76	3.39	26320.96	6.67	20.06	1,534
091000040	9	Glasscock County FEMA Mapping	Reagan County	Create FEMA Mapping in previously unmapped areas	Watershed planning	845,000	141	3.66	5.49	74	3.0	4.52	0	0	0	0	0	0	0	0	0	33.76	3.39	26320.96	6.67	20.06	1,534
091000041	9	Glasscock County GIS Development	Glasscock County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	141	3.66	5.49	74	3.0	4.52	0	0	0	0	0	0	0	0	0	33.76	3.39	26320.96	6.67	20.06	1,534
011000065	1	Lake Tanglewood City Drainage Master Plan	Lake Tanglewood, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs and the needs analysis	Watershed planning	250,000	121	3.56	5.34	296	3.8	5.77	19	2.77	6.92	0	0	0	0	0	0	0.47	0.36	7.40	1.66	20.05	1,537
081000953	8	A21	Upper Brushy Creek WCID	Addition of in-line detention along Cottonwood Creek.	Project planning	250,000	68	3.18	4.78	122	3.3	4.97	0	0	0	2	1.69	3.39	17	3.56	1.78	1.44	0.93	465.85	4.19	20.05	1,538
121000036	12	Develop and implement a Stormwater Management Plan for Stockdale Creek	Stockdale	Stockdale Creek, sa tributary of Clinton Branch which flows into Cibolo Creek, does not have sufficient capacity to contain floodwater as it flows through the center of Stockdale. The railroad on the east side of town used to act as a levee, but when it	Project planning	1,203,489	73	3.23	4.85	102	3.2	4.81	0	0	0	7	3.10	6.21	22	3.82	1.91	1.75	1.07	3.18	1.15	19.99	1,539
121000043	12	Drainage improvements to wastewater treatment plants	Stockdale	A drainage improvement was completed in 2018 with 2016 disaster relief funding. Internal plumbing was buried and the size of the weir box was increased. Funding and improvements are still needed to connect 2 and 3 and cross CR401 to increase discharge ca	Preparedness	852,326	73	3.23	4.85	102	3.2	4.81	0	0	0	7	3.10	6.21	22	3.82	1.91	1.75	1.07	3.18	1.15	19.99	1,539
121000044	12	New Bridges on 6th and 8th Streets	Stockdale	New construction of waterway bridges on 6th and 8th Streets crossing Stockdale Creek. Lift elevation profile of the two bridges that provide access to critical facilities and services within the city as well as access from the City to the surrounding reg	Project planning	651,454	73	3.23	4.85	102	3.2	4.81	0	0	0	7	3.10	6.21	22	3.82	1.91	1.75	1.07	3.18	1.15	19.99	1,539
121000045	12	Detention/Retention pond on school property	Stockdale	Install a Detention/Retention pond and reservoir to store excess stormwater on school property along Fordtran Street	Project planning	1,604,361	73	3.23	4.85	102	3.2	4.81	0	0	0	7	3.10	6.21	22	3.82	1.91	1.75	1.07	3.18	1.15	19.99	1,539
121000098	12	Maintain Drainage System	Stockdale	Improve storm water drainage within residential and commercial areas by removing brush and debris,opening and widening waterways, restricting building in the flood zone, and widening bridges. Status or project was 90% complete in 2012 plan awaiting purch	Project planning	2,073,415	73	3.23	4.85	102	3.2	4.81	0	0	0	7	3.10	6.21	22	3.82	1.91	1.75	1.07	3.18	1.15	19.99	1,539
061000284	6	City of Southside Place Master Drainage Plan	Southside Place	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	110,000	500	4.48	6.72	1468	4.8	7.22	5	1.76	4.40	0	0	0	0	0	0	3.84	1.65	0	0	19.99	1,544
151000392	15	City of San Perlita - Box Culvert Extension	San Perlita	Connection of San Perlita drainage infrastructure to East Main Drain through 4'x8' RCB	Project planning	162,887	168	3.77	5.66	228	3.7	5.54	0	0	0	0	0	0	16	3.50	1.75	8.62	2.29	1150.36	4.75	19.99	1,545
151000370	15	Cameron County Drainage District No.5 - Wilson Main Tract Drain Expansion	Cameron County Drainage District 5	Expand the Wilson Main Tract Drain which acts as primary drain and outfall for a major part of The City of Primera North. The expansion will prevent stacking throughout connecting laterals and to protect assets in effected area.	Project planning	343,551	186	3.84	5.76	539	4.2	6.31	0	0	0	0	0	0	35	4.29	2.15	4.18	1.72	353.82	4.03	19.96	1,546
091000014	9	City of O'Donnell DMP	Dawson County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	250,000	284	4.11	6.17	246	3.7	5.61	1	0.67	1.68	0	0	0	0	0	0	9.67	2.39	394.50	4.09	19.93	1,547
151000173	15	ML06k Stewart A	Mission	4147 feet of storm sewer upgrades and an extension of storm sewer of 1175 feet. Construction of new detention basin on N. Steward Rd of 20 acre-ft.	Project planning	278,743	278	4.10	6.15	954	4.6	6.83	2	1.10	2.75	0	0	0	0	0	0	5.37	1.92	19.98	2.26	19.90	1,548
031000165	3	Comanche Drive Culvert and Retention Wall Construction Feasibility Assessment	Fort Worth	Evaluate feasibility for building a larger culvert and retention wall for watershed over low crossing on Comanche Drive	Project planning	60,000	294	4.13	6.20	10295	6.0	8.98	0	0	0	0	0	0	0	0	0	4.31	1.74	63.09	2.97	19.89	1,549
061000057	6	Hickory Slough (Upper Segment)	Pearland	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	1,136,000	413	4.35	6.53	915	4.5	6.79	4	1.59	3.98	0	0	0	0	0	0	1.57	0.99	6.49	1.58	19.88	1,550
031000265	3	Tributary SB-1: Circle Lane Culvert Improvements	Bedford	Evaluate and define necessary culvert improvements.	Project planning	150,000	148	3.69	5.53	18109	6.3	9.49	0	0	0	1	1.03	2.07	0	0	0	3.48	1.58	3.48	1.20	19.87	1,551
031000270	3	Sulphur Branch: Circle Lane Culvert Improvements	Bedford	Evaluate and define necessary culvert improvements.	Project planning	150,000	148	3.69	5.53	18109	6.3	9.49	0	0	0	1	1.03	2.07	0	0	0	3.48	1.58	3.48	1.20	19.87	1,551
071000047	7	City of Roscoe DMP	Roscoe	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	194	3.86	5.80	322	3.9	5.85	1	0.67	1.68	0	0	0	0	0	0	10.58	2.46	380.08	4.07	19.85	1,553
071000145	7	City of Roscoe Floodplain Open Space Program	Roscoe	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	500,000	194	3.86	5.80	322	3.9	5.85	1	0.67	1.68	0	0	0	0	0	0	10.58	2.46	380.08	4.07	19.85	1,553
071000146	7	City of Roscoe Floodproof Sewage Plant Program	Roscoe	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	Project planning	250,000	194	3.86	5.80	322	3.9	5.85	1	0.67	1.68	0	0	0	0	0	0	10.58	2.46	380.08	4.07	19.85	1,553
071000147	7	City of Roscoe Higher Standards Program	Roscoe	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulativ	Project planning	100,000	194	3.86	5.80	322	3.9	5.85	1	0.67	1.68	0	0	0	0	0	0	10.58	2.46	380.08	4.07	19.85	1,553
071000148	7	City of Roscoe Relocate Critical Facilities High Hazard	Roscoe	Relocate critical facilities out of high hazard areas.	Project planning	1,000,000	194	3.86	5.80	322	3.9	5.85	1	0.67	1.68	0	0	0	0	0	0	10.58	2.46	380.08	4.07	19.85	1,553

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
071000149	7	City of Roscoe Stream Restoration Program	Roscoe	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	Project planning	250,000	194	3.86	5.80	322	3.9	5.85	1	0.67	1.68	0	0	0	0	0	0	10.58	2.46	380.08	4.07	19.85	1,553
111000168	11	Caldwell County Town Branch Detention	Caldwell County	Evaluate regional detention basin alternative discussed in GBRA Interim Feasibility Study Phase II to mitigate structural flooding within Lockhart.	Project planning	60,000	48	2.96	4.44	117	3.3	4.93	0	0	0	5	2.72	5.43	0	0	0	1.85	1.10	301.96	3.93	19.83	1,559
101000067	10	Various Streets - Install Flood Early Warning System	Kerr County	Local Flood Warning System	Preparedness	50,000	51	3.00	4.50	49	2.8	4.15	0	0	0	4	2.46	4.92	0	0	0	0.20	0.16	10644.26	6.11	19.83	1,560
111000048	11	City of New Braunfels South Guadalupe Tributary Watershed Project Planning	New Braunfels	Study to analyze drainage conveyance and flooding issues within the South Guadalupe River tributary area (Mesquite/Eastman/Oleander/Walnut Heights) and project planning for solutions within project area.	Watershed planning	168,000	219	3.94	5.91	598	4.3	6.41	0	0	0	4	2.46	4.92	0	0	0	3.11	1.49	2.57	1.03	19.76	1,561
031000180	3	Northeast Mall Culvert Improvement	Hurst	Walker watershed; $ Estimated construction cost of11,600,000 cost estimate; from 2020 study	Project planning	582,000	91	3.37	5.06	21576	6.4	9.65	0	0	0	1	1.03	2.07	0	0	0	2.37	1.29	7.66	1.68	19.74	1,562
031000072	3	City of Decatur DMP	Decatur	Evaluate City and identify future projects.	Watershed planning	250,000	34	2.74	4.10	13995	6.2	9.26	1	0.67	1.68	0	0	0	0	0	0	2.60	1.35	114.80	3.34	19.73	1,563
021000064	2	Pecan to Waggoner Creek Channel Improvements	City of Nash	Channel improvements east of Pecan to Waggoner Creek.	Project planning	250,000	154	3.71	5.57	412	4.0	6.07	1	0.67	1.68	1	1.03	2.07	0	0	0	7.54	2.19	16.58	2.15	19.72	1,564
031000060	3	City of Madisonville DMP	Madisonville	Evaluate City and identify future projects.	Watershed planning	250,000	14	2.16	3.24	6737	5.7	8.60	3	1.38	3.46	0	0	0	0	0	0	1.89	1.12	108.06	3.30	19.72	1,565
061000064	6	Mustang Bayou Middle Segment	Brazoria Drainage District 4	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	1,212,000	256	4.04	6.07	1668	4.9	7.34	1	0.67	1.68	0	0	0	0	0	0	5.62	1.95	39.30	2.68	19.71	1,566
101000070	10	Llano River Channel Maintenance/Improvements	Llano	Implement a new program to clear and clean creeks/drains and Llano River bed	Project planning	100,000	181	3.82	5.73	445	4.1	6.14	0	0	0	1	1.03	2.07	0	0	0	3.48	1.58	463.78	4.19	19.71	1,567
151000053	15	Pump Station B & Sump B	Hidalgo County Drainage District 1	Pump Station B & Sump B	Project planning	245,000	391	4.32	6.48	1094	4.6	6.95	0	0	0	0	0	0	0	0	0	5.19	1.89	634.49	4.38	19.71	1,568
031000402	3	City of Decatur - S. Sendero/S/ Workman Rd Drainage Improvements	Decatur	Proposed storm sewer improvements along South Workman Road and South Sendero Road by upsizing existing lines and constructing additional inlets. Anticipated const. cost = $1,285,148	Project planning	250,000	45	2.92	4.38	507	4.2	6.26	14	2.54	6.34	0	0	0	0	0	0	4.10	1.71	2.43	0.99	19.68	1,569
071300002	7	City of Abilene Catclaw Creek From S. 11th Street to S. 7th Street	Abilene	Enhance storage capacity of creek channel, raise Sammons Street and regional detention improvements	Project planning	100,000	194	3.86	5.80	321	3.9	5.85	1	0.67	1.68	4	2.46	4.92	0	0	0	2.89	1.43	0	0	19.67	1,570
031000181	3	Grand Parkway Culvert Crossing	Mont Belvieu	Evaluate alternatives to upsize cross-culverts to allow for developed flow	Project planning	100,000	209	3.91	5.87	2241	5.1	7.60	0	0	0	0	0	0	0	0	0	4.00	1.69	741.75	4.48	19.64	1,571
151000130	15	City of Laredo Project 6	Laredo	Vidaurri Avenue Roadway Drainage Improvements to prevent future drainage in the area. Street improvements from Scott Street to Jefferson Street.	Project planning	330,000	570	4.56	6.84	2608	5.2	7.74	1	0.67	1.68	0	0	0	2	1.46	0.73	13.23	2.64	0	0	19.63	1,572
101000032	10	Mission Hills Street	Marble Falls	Build bridge at Mission Hills Street creek x-ing	Project planning	100,000	60	3.10	4.66	748	4.4	6.61	0	0	0	3	2.14	4.27	0	0	0	0.81	0.60	147.18	3.49	19.62	1,573
051000081	5	City of Silsbee Easy Street Drainage Improvements	Silsbee	H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.	Project planning	50,000	135	3.63	5.44	228	3.7	5.54	0	0	0	4	2.46	4.92	4	2.12	1.06	2.80	1.41	3.71	1.24	19.61	1,574
151000275	15	City of Hidalgo - Hidalgo Drainage Study	Hidalgo	Drainage Engineering Study	Watershed planning	250,000	183	3.83	5.74	699	4.4	6.55	1	0.67	1.68	0	0	0	0	0	0	5.15	1.88	220.70	3.74	19.59	1,575
061000482	6	Gellhorn	Houston	This project provides for paving improvements including storm inlet improvements in the Gelhorn Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	36	2.77	4.16	8578	5.9	8.82	0	0	0	2	1.69	3.39	2	1.46	0.73	6.81	2.11	0.67	0.39	19.59	1,576
031000384	3	Sub-project A7 - Improvements along Windsong Trail	Richardson	Study to reduce flooding along Windsong Trail and spill to Glenville Drive by replacing undersized storm sewer. Est. const. cost = $2,456,000	Project planning	250,000	213	3.93	5.89	190	3.6	5.37	11	2.35	5.88	0	0	0	0	0	0	9.94	2.41	0	0	19.55	1,577
011000116	1	East Amarillo Creek Project Planning - St. Francis Ave. Tributary Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include installing 5-barrel, 5'x3' concrete boxes, and improving the channel. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
011000117	1	East Amarillo Creek Project Planning - Echo Street Tributary Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include replacing it with a concrete box, installing additional concrete boxes, raising the road, and improving the channel. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
011000119	1	Culverts: Various Locations (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to culverts. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
011000123	1	East Amarillo Creek Project Planning - Lower East Amarillo Creek Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Replace four arch CMP and improve channels. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
011000124	1	East Amarillo Creek Project Planning - Hastings Ave. to River Road Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include installing additional concrete boxes, a reinforced concrete bridge, and improving the channel. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
011000125	1	East Amarillo Creek Project Planning - Valley Park Tributary Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include modifying and installing concrete boxes, raising roads, and improving channels. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
011000130	1	East Amarillo Creek Project Planning - Ross Rogers Tributary Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include replacing arch CMP with concrete boxes, raising roads, and installing an additional concrete box. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
011000140	1	East Amarillo Creek Project Planning - North Bolton St. Storm Sewer (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include adding 1 new 42" RCP and 2 new 48" RCP. Project identified from 2019 Amarillo DMP.	Project planning	250,000	198	3.88	5.82	351	4.0	5.93	1	0.67	1.68	0	0	0	0	0	0	10.72	2.47	181.99	3.62	19.51	1,578
051000075	5	City of Lumberton Detention Pond at FM 421	Lumberton	H&H Study to develop alternatives for detention at FM 421	Project planning	50,000	539	4.53	6.79	847	4.5	6.72	1	0.67	1.68	0	0	0	0	0	0	10.48	2.45	10.38	1.86	19.50	1,586
031000272	3	Fairfield South Bateman Drainage Study	Fairfield	Fairfield South Bateman Drainage Study	Project planning	200,000	41	2.86	4.29	3838	5.4	8.09	1	0.67	1.68	0	0	0	0	0	0	2.42	1.30	411.50	4.12	19.47	1,587
111000166	11	Caldwell County Mebane Creek Channel Improvements	Caldwell County	Evaluate channel improvements discussed in GBRA Interim Feasibility Study Phase II to mitigate residential flooding upstream of Clear Fork St.	Project planning	50,000	15	2.21	3.31	156	3.5	5.19	3	1.38	3.46	1	1.03	2.07	0	0	0	2.71	1.39	354.81	4.03	19.44	1,588
111000167	11	Caldwell County Mebane Creek Floodwall	Caldwell County	Evaluate floodwall alternative discussed in GBRA Interim Feasibility Study Phase II to mitigate residential flooding along Blue Stem Dr.	Project planning	50,000	15	2.21	3.31	156	3.5	5.19	3	1.38	3.46	1	1.03	2.07	0	0	0	2.71	1.39	354.81	4.03	19.44	1,588
151000403	15	Willacy County Drainage District No.1- Sebastian Detention	Willacy County Drainage District 1	Detention facilities for Sebastian, pumping station to pump into IBWC Floodway	Project planning	876,000	262	4.06	6.09	555	4.2	6.34	0	0	0	0	0	0	0	0	0	10.34	2.44	845.46	4.56	19.43	1,590
151000069	15	Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	Weslaco	Construction of two detention ponds, 11 acres near Clecker-Heald Elementary School and 8 acres behind the commercial properties north of Interstate 2, approximately 4,500 LF of channel widening connecting the two ponds, addition of a new 42-inch reinforced concrete pipe (RCP) culvert east of Border Avenue, and installation of approximately 5,600 LF of an 8' x 4' RCB storm drain system along West Paisano Lane and East Ballard Street.	Project planning	1,665,000	423	4.37	6.55	1734	4.9	7.37	0	0	0	0	0	0	0	0	0	10.20	2.43	74.91	3.07	19.43	1,591

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000343	6	Galveston Bay Watershed Plan- PA01 (N+6) Channel & Crossing Improvements	Harris County Flood Control District	Develop BCA to become FMP. Channel deepening from N Broadway St to N Utah St, convert open channel segment to closed conduit w/ 8'x5' concrete boxes b/w N Utah St & Main St, replace concrete pipe w/ dual 8'x5' concrete box culvert outfall to F212.	Project planning	30,000	259	4.05	6.08	562	4.2	6.35	7	2.01	5.03	0	0	0	0	0	0	5.10	1.88	0.14	0.09	19.42	1,592
081000671	8	Tract North of Carson Crossing	Bryan	Channel and crossing improvements along Trib D feeding into County Club Lake.	Project planning	214,000	72	3.22	4.83	167	3.5	5.25	1	0.67	1.68	4	2.46	4.92	11	3.12	1.56	1.54	0.98	0.31	0.19	19.41	1,593
141000002	14	Develop H&H Models for Cibolo Creek and arroyos through the City of Presidio, and develop an FMP for flood reduction of buildings and emergency access roadways.	Presidio city, Presidio County	Develop H&H models for Cibolo Creek and the City of Presidio arroyos to evaluate flood risk. Develop FMPs, an interior drainage analysis for east Cibolo Creek levee, and a coincident storm analysis for Cibolo Creek, the Rio Conchos, and the Rio Grande.	Project planning	183,000	760	4.75	7.12	187	3.6	5.36	0	0	0	0	0	0	0	0	0	16.27	2.80	412.21	4.12	19.40	1,594
061000553	6	Magnolia Creek & Cedar Gully Clearing and Desnagging Project	League City	Project would look at Magnolia Creek and Cedar Gully downstream of FM 518 and all work would be above the ordinary high water mark. Scope of work includes the removal of vegetation and/or Desnagging of the channels.	Project planning	150,000	335	4.22	6.33	1082	4.6	6.94	3	1.38	3.46	0	0	0	0	0	0	3.91	1.67	2.40	0.99	19.39	1,595
061000544	6	Magnolia Creek & Cedar Gully Drainage Improvement Project	League City	Project would look at Magnolia Creek and Cedar Gully upstream of FM 518. Improvements would include modification of detention pond outlets and culvert crossings at Summer Place.	Project planning	750,000	334	4.22	6.33	1076	4.6	6.94	3	1.38	3.46	0	0	0	0	0	0	3.91	1.67	2.42	0.99	19.38	1,596
031000188	3	Carrier Parkway at Dalworth Creek	Grand Prairie	Study update - 190 feet southeast of Capetown; Channel Improvements; Estimated construction cost of $1,092,000	Project planning	250,000	30	2.65	3.98	6563	5.7	8.57	0	0	0	3	2.14	4.27	0	0	0	0.96	0.69	10.40	1.86	19.38	1,597
031000191	3	Grass-covered Culvert at Dalworth Creek	Grand Prairie	Study update - 520 feet west of Carrier Parkway; Channel Improvements; Estimated construction cost of $1,048,700	Project planning	250,000	30	2.65	3.98	6563	5.7	8.57	0	0	0	3	2.14	4.27	0	0	0	0.96	0.69	10.40	1.86	19.38	1,597
031000226	3	North Carrier Parkway & Main St to Dalworth Creek Channel	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $8,803,700	Project planning	440,000	30	2.65	3.98	6563	5.7	8.57	0	0	0	3	2.14	4.27	0	0	0	0.96	0.69	10.40	1.86	19.38	1,597
031000228	3	NW 24th St & NW 23rd St from West Main to Ditch Near Dalworth St and Doreen St	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $5,982,600	Project planning	299,000	30	2.65	3.98	6563	5.7	8.57	0	0	0	3	2.14	4.27	0	0	0	0.96	0.69	10.40	1.86	19.38	1,597
031000247	3	Dalworth Creek Stabilization	Grand Prairie	Repair of gabions and protection of wastewater crossing downstream of I-30; Estimated construction cost of $402,000; from Dalworth Street to Roman; Estimated construction cost of $278,900	Project planning	250,000	30	2.65	3.98	6563	5.7	8.57	0	0	0	3	2.14	4.27	0	0	0	0.96	0.69	10.40	1.86	19.38	1,597
011000089	1	Iowa Park City Drainage Master Plan	Iowa Park	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses and the needs analysis	Watershed planning	250,000	121	3.56	5.34	177	3.5	5.31	0	0	0	2	1.69	3.39	2	1.46	0.73	5.17	1.89	41.71	2.71	19.37	1,602
031000057	3	City of Maypearl DMP	Maypearl	Evaluate City and identify future projects.	Watershed planning	250,000	41	2.86	4.29	1713	4.9	7.36	3	1.38	3.46	0	0	0	0	0	0	2.22	1.24	67.01	3.00	19.35	1,603
011000192	1	Henrietta City Drainage Master Plan	Henrietta	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on additional outreach	Watershed planning	250,000	14	2.16	3.24	176	3.5	5.30	0	0	0	6	2.93	5.85	6	2.52	1.26	2.66	1.37	21.62	2.31	19.34	1,604
141000022	14	Develop solutions for flooding near Sierra Blanca	Hudspeth County	Develop drainage study and stormwater master plan for Sierra Blanca and surrounding ranches with access issues during floods. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	Project planning	76,000	36	2.77	4.16	75	3.0	4.53	0	0	0	4	2.46	4.92	28	4.06	2.03	7.81	2.21	5.53	1.48	19.33	1,605
101000223	10	Caldwell County Flood Early Warning System	Caldwell County	Review of existing flood early warning system equipment, procedures, and trainin	Project planning	50,000	99	3.43	5.14	113	3.3	4.90	0	0	0	1	1.03	2.07	0	0	0	3.62	1.61	4278.59	5.55	19.28	1,606
151000307	15	Hidalgo County Precinct 3 - 4 Mile Line	Hidalgo County	Improve drainage system outfalling into West Main 3.	Project planning	99,708	362	4.27	6.40	1255	4.7	7.08	0	0	0	0	0	0	0	0	0	5.88	1.99	244.36	3.80	19.27	1,607
131000066	13	Martin Branch Drainage Study	Frio County	Martin Branch Drainage Study to evaluate existing flood risk for multiple roadway crossings and potential structural flooding along Martin Branch, just north of Dilley	Watershed planning	150,000	22	2.45	3.68	37	2.6	3.89	0	0	0	3	2.14	4.27	15	3.44	1.72	4.73	1.82	283.41	3.89	19.27	1,608
031000144	3	Sanger Creek Waterways Reconstruction Study	Sanger	Evaluate alternatives to reconstruct creek waterways to correct drainage issues	Project planning	600,000	41	2.86	4.29	7183	5.8	8.66	0	0	0	0	0	0	0	0	0	4.01	1.69	921.33	4.61	19.24	1,609
101000119	10	Frisch Auf Buyout	Fayette County	Buyout all property in Frisch Auf Floodplain	Project planning	100,000	91	3.37	5.06	85	3.1	4.64	0	0	0	1	1.03	2.07	0	0	0	4.00	1.69	5822.63	5.74	19.20	1,610
041000064	4	Bell Cutoff Low Water Crossing Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	54	3.04	4.55	191	3.6	5.38	0	0	0	0	0	0	0	0	0	343.79	5.26	343.79	4.01	19.19	1,611
151000083	15	Kenedy County	Kenedy County	Develop Flood risk maps for the county of Kenedy and develop CIP	Watershed planning	250,000	46	2.93	4.40	28	2.4	3.64	0	0	0	0	0	0	0	0	0	38.19	3.49	133438.80	7.67	19.19	1,612
041000095	4	City of Emory Drainage Master Plan	Emory	Development of detailed hydraulic models for areas of high flood risk. Perform alternatives analysis and develop FMPs for second cycle of the State Flood Plan.	Project planning	100,000	35	2.75	4.13	30	2.5	3.70	0	0	0	0	0	0	0	0	0	1500.14	6.44	1500.14	4.91	19.19	1,613
041000096	4	City of Emory Roadway Flood Evaluation	Emory	Development of detailed hydraulic models for areas of high flood risk. Perform alternatives analysis to evaluate roadway flooding throughout the city and Honeysuckle Lane, Quitman Street, Alexander Street, Wells Street, Skyline, and FM 515.	Project planning	100,000	35	2.75	4.13	30	2.5	3.70	0	0	0	0	0	0	0	0	0	1500.14	6.44	1500.14	4.91	19.19	1,613
031000475	3	Hackberry Gully Improvements Study	Chambers County	Study to implement either diversion, detention or channel modifications to Hackberry Gully to improve conveyance from downstream of IH-10 to confluence with Cotton Bayou	Project planning	150,000	248	4.02	6.04	2507	5.1	7.70	0	0	0	0	0	0	0	0	0	3.57	1.60	256.54	3.83	19.17	1,615
061000361	6	G103-80-03.1B (Taylor Gully)	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. Improvements to Taylor Gully include two miles of channel conveyance improvements to the upper limits of Taylor Gully and a concrete low flow structure.	Project planning	30,000	582	4.58	6.87	1517	4.8	7.25	0	0	0	1	1.03	2.07	1	0.89	0.44	8.38	2.27	0.43	0.26	19.16	1,616
051000011	5	Liberty County Update Flood Hazard Mapping	Liberty County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	402,626	116	3.53	5.30	140	3.4	5.10	1	0.67	1.68	0	0	0	0	0	0	7.11	2.14	1525.71	4.92	19.13	1,617
051000032	5	Liberty County Master Drainage Plan	Liberty County Drainage District	Complete a county wide drainage plan, which can be used for regulatory purposes.	Watershed planning	201,313	116	3.53	5.30	140	3.4	5.10	1	0.67	1.68	0	0	0	0	0	0	7.11	2.14	1525.71	4.92	19.13	1,617
051000136	5	Liberty County Culvert Replacement Project	Liberty County	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of increasing culvert size in identified flood hazard problem areas within Liberty County.	Project planning	100,657	116	3.53	5.30	140	3.4	5.10	1	0.67	1.68	0	0	0	0	0	0	7.11	2.14	1525.71	4.92	19.13	1,617
051000137	5	Liberty County Recanalization Feasibility Study	Liberty County	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of dechannelizing existing feeder creeks that flow from north to south and improve drainage for storm water runoff.	Project planning	26,171	116	3.53	5.30	140	3.4	5.10	1	0.67	1.68	0	0	0	0	0	0	7.11	2.14	1525.71	4.92	19.13	1,617
061000499	6	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	Liberty County Water Control District 1	Study to create detention pond for Hatcherville & Cedar Bayou Farms Ditches	Project planning	3,500,000	356	4.26	6.39	438	4.1	6.13	0	0	0	0	0	0	0	0	0	7.00	2.13	702.02	4.45	19.09	1,621
051000017	5	San Augustine County Update Flood Hazard Mapping	San Augustine County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	904,125	64	3.15	4.72	110	3.3	4.88	0	0	0	2	1.69	3.39	2	1.46	0.73	13.22	2.64	41.61	2.71	19.06	1,622

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051000038	5	San Augustine County Master Drainage Plan	San Augustine County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	379,732	64	3.15	4.72	110	3.3	4.88	0	0	0	2	1.69	3.39	2	1.46	0.73	13.22	2.64	41.61	2.71	19.06	1,622
031000055	3	City of Aubrey DMP	Aubrey	Evaluate City and identify future projects.	Watershed planning	250,000	54	3.04	4.55	3472	5.3	8.00	1	0.67	1.68	0	0	0	0	0	0	2.08	1.19	189.16	3.64	19.06	1,624
031000182	3	Cherry Point Gully PER	Mont Belvieu	Evaluate alternatives to construct a diversion channel; channel improvements upstream of diversion; construction of regional detention basins as alternative to diversion channel construction	Project planning	100,000	252	4.03	6.05	939	4.5	6.82	0	0	0	0	0	0	0	0	0	4.01	1.69	755.35	4.49	19.04	1,625
011000120	1	West Amarillo Creek Project Planning - Amarillo Country Club Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvement includes installing and replacing concrete boxes, improving the channel, and replacing 2 driveway structures. Project identified from 2019 Amarillo DMP.	Project planning	250,000	69	3.19	4.79	159	3.5	5.21	0	0	0	2	1.69	3.39	2	1.46	0.73	3.31	1.54	123.90	3.38	19.04	1,626
011000127	1	West Amarillo Creek Project Planning - Westcliff Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include 2 additional 36" RCP at Kouba Drive and improving channel from W. 9th Ave to Kouba Dr. Project identified from 2019 Amarillo DMP.	Project planning	250,000	69	3.19	4.79	159	3.5	5.21	0	0	0	2	1.69	3.39	2	1.46	0.73	3.31	1.54	123.90	3.38	19.04	1,626
011000129	1	West Amarillo Creek Project Planning - Tascosa/Westwood Channel Reach (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to West Amarillo Creek Study Area - Tascosa/Westwood Channel Reach. Project identified from 2019 Amarillo DMP.	Project planning	250,000	69	3.19	4.79	159	3.5	5.21	0	0	0	2	1.69	3.39	2	1.46	0.73	3.31	1.54	123.90	3.38	19.04	1,626
091000111	9	Upton County DMP	Upton County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	41	2.86	4.29	23	2.3	3.46	0	0	0	1	1.03	2.07	0	0	0	34.07	3.40	6457.23	5.81	19.02	1,629
091000112	9	Upton County FEMA Mapping	Upton County	Create FEMA Mapping in previously unmapped areas	Watershed planning	1,080,000	41	2.86	4.29	23	2.3	3.46	0	0	0	1	1.03	2.07	0	0	0	34.07	3.40	6457.23	5.81	19.02	1,629
091000113	9	Upton County GIS Development	Upton County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	41	2.86	4.29	23	2.3	3.46	0	0	0	1	1.03	2.07	0	0	0	34.07	3.40	6457.23	5.81	19.02	1,629
031000204	3	Regional Detention at Bowie Elementary School	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $3,433,500	Project planning	250,000	42	2.87	4.31	8672	5.9	8.83	0	0	0	2	1.69	3.39	0	0	0	1.14	0.78	7.94	1.70	19.01	1,632
031000210	3	Marshall Drive from Emerald to SW 3rd	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $3,603,100	Project planning	250,000	42	2.87	4.31	8672	5.9	8.83	0	0	0	2	1.69	3.39	0	0	0	1.14	0.78	7.94	1.70	19.01	1,632
031000212	3	SE 10th Street and Avion Parkway from Perman South to Culvert Crossing	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,158,400	Project planning	250,000	42	2.87	4.31	8672	5.9	8.83	0	0	0	2	1.69	3.39	0	0	0	1.14	0.78	7.94	1.70	19.01	1,632
031000217	3	Cherokee Trace and Choctaw Trace to Clarice	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $2,715,600	Project planning	250,000	42	2.87	4.31	8672	5.9	8.83	0	0	0	2	1.69	3.39	0	0	0	1.14	0.78	7.94	1.70	19.01	1,632
031000251	3	Henry Branch Stream Stabilization	Grand Prairie	from apartments at 1000 South Belt Line to Grand Prairie Road; Estimated construction cost of $127,900	Project planning	250,000	42	2.87	4.31	8672	5.9	8.83	0	0	0	2	1.69	3.39	0	0	0	1.14	0.78	7.94	1.70	19.01	1,632
031000174	3	North Weatherford St and Oakwood St Structure Improvements	Chico	Structure improvements assessment - North Weatherford St in front of fire station and Oakwood St between Granada and El Camino.	Project planning	200,000	30	2.65	3.98	1523	4.8	7.25	2	1.10	2.75	0	0	0	0	0	0	1.81	1.09	303.36	3.93	19.00	1,637
051000128	5	Rodair Gully System Detention	Jefferson County Drainage District 7	H&H study to identify additional detention required to expand existing level of service	Project planning	100,000	511	4.49	6.74	981	4.6	6.86	0	0	0	0	0	0	0	0	0	9.89	2.40	63.81	2.97	18.97	1,638
051000110	5	Rodair Upper Build new station with associated levee	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	511	4.49	6.74	981	4.6	6.86	0	0	0	0	0	0	0	0	0	9.89	2.40	63.75	2.97	18.97	1,639
051000115	5	Rodair Gulley Ditch Improvements	Jefferson County Drainage District 7	H&H study to identify alternatives for Rodair Gulley	Project planning	100,000	511	4.49	6.74	981	4.6	6.86	0	0	0	0	0	0	0	0	0	9.89	2.40	63.75	2.97	18.97	1,639
051000125	5	Rodair Upper Additional Pump Station	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	511	4.49	6.74	981	4.6	6.86	0	0	0	0	0	0	0	0	0	9.89	2.40	63.75	2.97	18.97	1,639
051000107	5	Rodair Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	511	4.49	6.74	981	4.6	6.86	0	0	0	0	0	0	0	0	0	9.88	2.40	63.75	2.97	18.97	1,642
151000453	15	City of Primera - Holistic HUC Flood Protection Study	Primera	Develop flood risk maps for the City of Primera and develop CIP.	Watershed planning	1,500,000	157	3.73	5.59	461	4.1	6.17	0	0	0	0	0	0	20	3.73	1.86	4.56	1.79	161.65	3.55	18.96	1,643
151000309	15	Hidalgo County Precinct 3 - Moorefield Rd.	Hidalgo County	Improve drainage system outfalling into West Main 3.	Project planning	72,479	384	4.31	6.46	1223	4.7	7.06	0	0	0	0	0	0	0	0	0	5.73	1.97	142.10	3.47	18.95	1,644
031000324	3	Keller Branch at Jefferson Street	Lancaster	Evaluate bridge improvements for Jefferson Street over Keller Branch	Project planning	250,000	25	2.54	3.80	3590	5.4	8.03	1	0.67	1.68	1	1.03	2.07	0	0	0	0.76	0.56	47.79	2.80	18.94	1,645
031000325	3	Keller Branch at Main Street	Lancaster	Evaluate bridge improvements for Main Street over Keller Branch	Project planning	250,000	25	2.54	3.80	3590	5.4	8.03	1	0.67	1.68	1	1.03	2.07	0	0	0	0.76	0.56	47.79	2.80	18.94	1,645
031000326	3	Keller Branch at Pleasant Run Road	Lancaster	Evaluate bridge improvements for Pleasant Run Road over Keller Branch	Project planning	250,000	25	2.54	3.80	3590	5.4	8.03	1	0.67	1.68	1	1.03	2.07	0	0	0	0.76	0.56	47.79	2.80	18.94	1,645
031000330	3	Stream 3A6 at Belt Line Road	Lancaster	Evaluate bridge improvements for Belt Line Road over Stream 3A6	Project planning	250,000	25	2.54	3.80	3590	5.4	8.03	1	0.67	1.68	1	1.03	2.07	0	0	0	0.76	0.56	47.79	2.80	18.94	1,645
151000346	15	City of Palm Valley - Stuart Place Road Drainage Improvements	Palm Valley	Major flooding impedes emergency response. 5ft water. Improve drainage structures.	Project planning	109,753	88	3.35	5.03	203	3.6	5.43	0	0	0	0	0	0	64	4.90	2.45	8.13	2.25	235.28	3.78	18.93	1,649
061000376	6	Cedar Bayou Flood Risk Reduction Study - Channel improvements from US 90 to FM 1942	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to FM 1942.	Project planning	30,000	240	4.00	6.00	291	3.8	5.76	0	0	0	0	0	0	0	0	0	12.06	2.56	900.14	4.60	18.92	1,650
031000348	3	Ten Mile Creek at Ferris Road	Wilmer	Evaluate bridge improvements for Ferris Road over Ten Mile Creek	Project planning	250,000	28	2.61	3.91	709	4.4	6.56	1	0.67	1.68	0	0	0	0	0	0	4.07	1.70	1892.14	5.05	18.91	1,651
031000351	3	Ten Mile Creek at Parkinson Road	Dallas County	Evaluate bridge improvements for Parkinson Road over Ten Mile Creek. Est const cost = $1,033,000	Project planning	150,000	28	2.61	3.91	709	4.4	6.56	1	0.67	1.68	0	0	0	0	0	0	4.07	1.70	1892.14	5.05	18.91	1,651
061000203	6	Little Cypress Creek - L103-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for L103-00-00, L104-00-00, L105-00-00-00, and L122-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance including Atlas 14	Project planning	150,000	116	3.53	5.30	241	3.7	5.59	8	2.11	5.28	0	0	0	0	0	0	2.73	1.39	4.36	1.34	18.89	1,653
031000303	3	Wilson Branch at Bonnie View Road	Dallas	Evaluate bridge improvements for Bonnie View Road over Wilson Branch	Project planning	250,000	27	2.59	3.88	3531	5.3	8.01	0	0	0	1	1.03	2.07	0	0	0	5.44	1.93	64.39	2.98	18.87	1,654
031000304	3	Wilson Branch at J J Lemmon Road	Dallas	Evaluate bridge improvements for J J Lemmon Road over Wilson Branch	Project planning	250,000	27	2.59	3.88	3531	5.3	8.01	0	0	0	1	1.03	2.07	0	0	0	5.44	1.93	64.39	2.98	18.87	1,654
031000305	3	Wilson Branch at Tioga Street	Dallas	Evaluate bridge improvements for Tioga Street over Wilson Branch	Project planning	250,000	27	2.59	3.88	3531	5.3	8.01	0	0	0	1	1.03	2.07	0	0	0	5.44	1.93	64.39	2.98	18.87	1,654
011000072	1	Pampa City Drainage Master Plan	Pampa	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	148	3.69	5.53	989	4.6	6.86	0	0	0	1	1.03	2.07	1	0.89	0.44	5.97	2.00	12.04	1.95	18.87	1,657
031000398	3	Arlington Rush Creek - Warehouse Buyout and Floodplain Restoration	Arlington	Buyout and demolition of a 22,150 square foot warehouse and sire adjacent to Upper Rush Creek. Flood study to evaluate feasibility of floodplain restoration through warehouse acquisition. Anticipated acquisition & construction cost = $8,107,000	Project planning	250,000	21	2.42	3.64	28	2.4	3.64	12	2.42	6.05	0	0	0	0	0	0	32.81	3.37	16.96	2.16	18.85	1,658
091000017	9	Cochran County FEMA Mapping	Hockley County	Create FEMA Mapping in previously unmapped areas	Watershed planning	671,000	23	2.48	3.72	51	2.8	4.18	0	0	0	0	0	0	0	0	0	144.03	4.56	15910.84	6.36	18.82	1,659
091000018	9	Cochran County DMP	Cochran County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	23	2.48	3.72	51	2.8	4.18	0	0	0	0	0	0	0	0	0	144.03	4.56	15910.84	6.36	18.82	1,659
031000383	3	Sub-project A5 - Annapolis Drive Improvements	Richardson	Study to reduce flooding along Annapolis Drive and spill to College Park Boulevard by replacing undersized storm sewer. Est const cost = $1,349,000	Project planning	250,000	174	3.79	5.69	159	3.5	5.21	9	2.20	5.50	0	0	0	0	0	0	9.71	2.39	0	0	18.79	1,661
101000171	10	Citywide Floodplain Remapping	Marble Falls	Floodplain remapping of the entire city using Atlas 14 rainfall data.	Watershed planning	250,000	158	3.73	5.60	322	3.9	5.85	0	0	0	1	1.03	2.07	0	0	0	2.29	1.26	331.79	3.99	18.76	1,662
061000120	6	Evaluation of Culvert Enlargement and Bridge Elevation in Grimes County	Grimes County	Study to identify flood-prone areas and mitigate the flooding problem by enlarging culverts under roads and bridges.	Project planning	750,000	144	3.67	5.51	95	3.2	4.74	0	0	0	1	1.03	2.07	1	0.89	0.44	10.81	2.47	151.28	3.50	18.75	1,663

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000305	6	Grimes Flood Mapping Updates	Grimes County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	908,000	144	3.67	5.51	95	3.2	4.74	0	0	0	1	1.03	2.07	1	0.89	0.44	10.81	2.47	151.28	3.50	18.75	1,663
031000110	3	Bluffview Drainage Study Update	Garland	Area 15	Project planning	150,000	10	1.94	2.92	9050	5.9	8.87	0	0	0	2	1.69	3.39	0	0	0	0.54	0.42	84.70	3.15	18.73	1,665
031000114	3	Royal Crest-Meadowview Drainage Study Update	Garland	Area 19	Project planning	50,000	10	1.94	2.92	9050	5.9	8.87	0	0	0	2	1.69	3.39	0	0	0	0.54	0.42	84.70	3.15	18.73	1,665
031000279	3	Colonel Palm Valley Drainage Improvements	Garland	Implement results from the Colonel Drive Drainage Study. This study identified mitigation options in Colonea Drive and Palm Valley Drive.	Project planning	150,000	10	1.94	2.92	9050	5.9	8.87	0	0	0	2	1.69	3.39	0	0	0	0.54	0.42	84.70	3.15	18.73	1,665
151000108	15	City of Del Rio Project 12	Del Rio	Cantu Branch Kings Way - Site 1 Road/Culvert Improvement	Project planning	33,003	90	3.37	5.05	236	3.7	5.57	0	0	0	2	1.69	3.39	22	3.82	1.91	3.49	1.58	3.45	1.20	18.70	1,668
151000111	15	City of Del Rio Project 15	Del Rio	Cantu Branch Kings Way - Site 2 Road/Culvert Improvement	Project planning	33,006	90	3.37	5.05	236	3.7	5.57	0	0	0	2	1.69	3.39	22	3.82	1.91	3.49	1.58	3.45	1.20	18.70	1,668
151000112	15	City of Del Rio Project 16	Del Rio	Cantu Branch Kings Way - Site 3 Road/Culvert Improvement	Project planning	33,007	90	3.37	5.05	236	3.7	5.57	0	0	0	2	1.69	3.39	22	3.82	1.91	3.49	1.58	3.45	1.20	18.70	1,668
151000101	15	Cit of Escobares	Escobares	Develop Flood risk maps for the city of Escobares and develop CIP	Watershed planning	250,000	255	4.04	6.06	1001	4.6	6.87	0	0	0	0	0	0	0	0	0	6.15	2.02	217.35	3.73	18.69	1,671
151000319	15	City of South Padre Island - Bayside outfall	South Padre Island	Design outfall into Laguna Madre S. of Go Cart Track.	Project planning	132,000	274	4.09	6.13	1021	4.6	6.89	0	0	0	0	0	0	57	4.78	2.39	11.96	2.56	1.44	0.71	18.68	1,672
051000015	5	Rusk County Update Flood Hazard Mapping	Rusk County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,318,550	91	3.37	5.06	149	3.4	5.15	1	0.67	1.68	0	0	0	0	0	0	21.12	3.01	206.47	3.70	18.60	1,673
051000036	5	Rusk County Master Drainage Plan	Rusk County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,400,000	91	3.37	5.06	149	3.4	5.15	1	0.67	1.68	0	0	0	0	0	0	21.12	3.01	206.47	3.70	18.60	1,673
081001005	8	Lynndale Acres Ph 2: Old Hearne and McHaney Street	Bryan	A study of the drainage area is needed to assess and propose improvements to reduce flooding in the area. As part of this study, alternatives should be recommended.	Project planning	73,000	98	3.42	5.13	221	3.7	5.51	0	0	0	4	2.46	4.92	23	3.87	1.93	1.37	0.90	0.32	0.19	18.59	1,675
071000130	7	City of Breckenridge Buyout Program	Breckenridge	Acquire and demolish repetitive loss properties.	Project planning	1,000,000	440	4.40	6.59	562	4.2	6.35	1	0.67	1.68	0	0	0	0	0	0	13.51	2.65	4.20	1.31	18.59	1,676
071000131	7	City of Breckenridge Floodplain Open Space Program	Breckenridge	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	500,000	440	4.40	6.59	562	4.2	6.35	1	0.67	1.68	0	0	0	0	0	0	13.51	2.65	4.20	1.31	18.59	1,676
071000132	7	City of Breckenridge New Ordinance - Detention	Breckenridge	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.	Project planning	100,000	440	4.40	6.59	562	4.2	6.35	1	0.67	1.68	0	0	0	0	0	0	13.51	2.65	4.20	1.31	18.59	1,676
051000054	5	City of Nederland Master Drainage Plan	Nederland	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	240,000	381	4.30	6.45	804	4.5	6.68	3	1.38	3.46	0	0	0	0	0	0	3.17	1.51	0.90	0.50	18.59	1,679
051000124	5	Crane Bayou Channel Improvements	Jefferson County Drainage District 7	H&H study to identify alternatives for Crane Bayou Channel	Project planning	100,000	359	4.26	6.40	775	4.4	6.64	3	1.38	3.46	0	0	0	0	0	0	4.72	1.81	0.38	0.23	18.54	1,680
051000133	5	Crane Bayou Additional Pumping	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	359	4.26	6.40	775	4.4	6.64	3	1.38	3.46	0	0	0	0	0	0	4.72	1.81	0.38	0.23	18.54	1,680
031000235	3	South Great Southwest Parkway from North of Forum Drive to Prairie Creek Channel	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $2,127,800	Project planning	344,000	25	2.54	3.80	22753	6.5	9.70	1	0.67	1.68	0	0	0	0	0	0	3.89	1.66	7.83	1.69	18.53	1,682
031000253	3	Prairie Creek Stabilization	Grand Prairie	from upstream of Great Southwest Pkwy to upstream of Robinson Road; Estimated construction cost of $606,900	Project planning	250,000	25	2.54	3.80	22753	6.5	9.70	1	0.67	1.68	0	0	0	0	0	0	3.89	1.66	7.83	1.69	18.53	1,682
031000097	3	Copper Canyon Poindexter Branch Flood Mitigation Plan	Copper Canyon	Copper Canyon Poindexter Branch Flood Mitigation Plan	Preparedness	150,000	55	3.05	4.57	3768	5.4	8.07	1	0.67	1.68	0	0	0	0	0	0	2.30	1.26	58.54	2.92	18.50	1,684
061000322	6	Jackson Bayou Watershed Planning Project-Immediate: First Street Crossing Mitigation	Harris County Flood Control District	Develop BCA to become a FMP. Priority ranking #11, 0.5 mile upstream along Jackson Bayou identified to fulfill mitigation efforts. Culvert upsizing recommended at First Street. Improvements produced need or 32.4 acre-feet of detention.	Project planning	30,000	111	3.50	5.25	495	4.2	6.24	8	2.11	5.28	0	0	0	0	0	0	1.40	0.92	1.75	0.81	18.50	1,685
031000404	3	Dallas County Inland Port Drainage Improvements - Creek (4B4) - UPRR	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of an enlarged/parallel culvert at UPRR	Project planning	20,000	19	2.36	3.54	694	4.4	6.54	0	0	0	4	2.46	4.92	0	0	0	0.77	0.57	58.47	2.92	18.49	1,686
031000405	3	Dallas County Inland Port Drainage Improvements - Creek (4B4) - Millers Ferry Rd	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of an enlarged/parallel culvert at Millers Ferry Road	Project planning	20,000	19	2.36	3.54	694	4.4	6.54	0	0	0	4	2.46	4.92	0	0	0	0.77	0.57	58.47	2.92	18.49	1,686
031000406	3	Dallas County Inland Port Drainage Improvements - Creek (4B4) - Old Main St.	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of an enlarged/parallel culvert at Old Main St.	Project planning	20,000	19	2.36	3.54	694	4.4	6.54	0	0	0	4	2.46	4.92	0	0	0	0.77	0.57	58.47	2.92	18.49	1,686
151000363	15	City of Primera - Primera Detention Ponds	Primera	Additional Detention facilities needed	Project planning	425,394	113	3.51	5.27	341	3.9	5.90	0	0	0	0	0	0	24	3.91	1.95	2.71	1.39	323.37	3.97	18.48	1,689
141000004	14	Lower Mesa Drain Improvements at El Paso	El Paso Water, El Paso County, EPCWID1	Assess capacity of upstream reservoirs; develop detailed hydraulic model of Lower Mesa Drain to design 30+ culvert improvements; assess capacity of Mesa Drain to accept runoff without impacting downstream agricultural property.	Project planning	689,000	375	4.29	6.44	75	3.0	4.53	0	0	0	0	0	0	0	0	0	12.46	2.59	1474.78	4.90	18.46	1,690
151000296	15	Donna Irrigation District - FM 493 Ditch Rehabilitation / Capacity Improvements	Donna Irrigation District Hidalgo County 1	Increase capacity of drainage/irrigation ditch on FM493 south of Calle Chaparral	Project planning	55,257	214	3.93	5.89	506	4.2	6.26	0	0	0	0	0	0	0	0	0	5.58	1.95	609.89	4.36	18.46	1,691
061000102	6	Raise Road Surfaces in City of Plum Grove	Plum Grove	Further evaluation of road surface elevation.	Project planning	35,000	362	4.27	6.40	484	4.1	6.22	1	0.67	1.68	0	0	0	0	0	0	8.99	2.33	9.22	1.79	18.41	1,692
061000104	6	Sunmeadow Drainage Improvements Phase 2	Friendswood	Further study of component of 1993 master Drainage Plan Phase 1. Initial phase of project completed in 2005. Upsizing storm sewer system to reduce potential flooding. Include Atlas 14 rainfalls.	Project planning	160,000	362	4.27	6.40	484	4.1	6.22	1	0.67	1.68	0	0	0	0	0	0	8.99	2.33	9.22	1.79	18.41	1,692
061000276	6	City of Plum Grove Master Drainage Plan	Plum Grove	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	230,000	362	4.27	6.40	484	4.1	6.22	1	0.67	1.68	0	0	0	0	0	0	8.99	2.33	9.22	1.79	18.41	1,692
011000175	1	Spring Draw Watershed Study	Amarillo, Canyon, Randall County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP. Joint effort between Amarillo, Canyon, and Randall County	Watershed planning	499,000	52	3.01	4.52	115	3.3	4.92	0	0	0	1	1.03	2.07	1	0.89	0.44	5.07	1.87	858.43	4.57	18.39	1,695
121000151	12	Repetitive loss properties	La Vernia	Offer relocation/mitigation incentives to current flood hazard area property owners; initiate a community program to acquire repetitive loss structures identified by FEMA.	Project planning	150,000	153	3.71	5.57	568	4.2	6.36	0	0	0	0	0	0	20	3.73	1.86	3.64	1.61	63.26	2.97	18.37	1,696
101000020	10	Old Sayers Rd & Big Sandy Creek	Bastrop County	LWC to Culvert Cast-in-place multi-box (2) culvert-bridge	Project planning	100,000	90	3.37	5.05	191	3.6	5.38	0	0	0	1	1.03	2.07	0	0	0	2.32	1.27	894.32	4.59	18.36	1,697
061000323	6	B106-WP01 & WP02 for Armand Bayou Watershed	Harris County	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage.	Project planning	30,000	473	4.44	6.66	1478	4.8	7.23	0	0	0	0	0	0	0	0	0	7.05	2.13	20.94	2.29	18.31	1,698
061000042	6	Chambers County Dam and Levee Failure Inundation Map Update	Chambers County	Further study for all participating jurisdiction to update dam and levee failure inundation maps, and update floodplain and floodway maps throughout the county. The updated maps will also be made available to the public.	Watershed planning	25,000	151	3.70	5.55	715	4.4	6.57	0	0	0	0	0	0	0	0	0	7.30	2.16	354.08	4.03	18.31	1,699
061000044	6	Chambers County Property Protection	Chambers County	Study to determine flood risk reduction potential of clearing obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions.	Project planning	500,000	151	3.70	5.55	715	4.4	6.57	0	0	0	0	0	0	0	0	0	7.30	2.16	354.08	4.03	18.31	1,699

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000302	6	Chambers Flood Mapping Updates	Chambers County	County wide study to produce flood mappping updates including Atlas 14 rainfall.	Watershed planning	631,000	151	3.70	5.55	715	4.4	6.57	0	0	0	0	0	0	0	0	0	7.30	2.16	354.08	4.03	18.31	1,699
151000398	15	Willacy County Precinct No.3 - Various Drainage Improvements in Bausell & Ellis	Willacy County	improve ~2,500 LF of drain ditch, install 30" RCP, and 18" RCP Culvert	Project planning	59,874	80	3.29	4.94	182	3.6	5.33	0	0	0	0	0	0	4	2.12	1.06	8.31	2.26	1093.27	4.72	18.31	1,702
031000313	3	Stream 4A4 at Goode Road	Hutchins	Evaluate bridge improvements for Goode Road over Stream 4A4	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000314	3	Stream 4A4 at IH 45	Hutchins	Evaluate bridge improvements for IH 45 over Stream 4A4	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000338	3	Cottonwood Creek of Ten Mile Creek at Goode Road	Wilmer	Evaluate bridge improvements for Goode Road over Cottonwood Creek of Ten Mile Creek	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000339	3	Cottonwood Creek of Ten Mile Creek at IH 45	Wilmer	Evaluate bridge improvements for IH 45 over Cottonwood Creek of Ten Mile Creek	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000340	3	Cottonwood Creek of Ten Mile Creek at IH 45 Northbound Service Road	Wilmer	Evaluate bridge improvements for IH 45 Northbound Service Road over Cottonwood Creek of Ten Mile Creek	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000341	3	Cottonwood Creek of Ten Mile Creek at IH 45 Southbound Service Road	Wilmer	Evaluate bridge improvements for IH 45 Southbound Service Road over Cottonwood Creek of Ten Mile Creek	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000343	3	Cottonwood Creek of Ten Mile Creek at Millers Ferry Road	Wilmer	Evaluate bridge improvements for Millers Ferry Road over Cottonwood Creek of Ten Mile Creek	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000344	3	Cottonwood Creek of Ten Mile Creek at Pleasant Run Road	Wilmer	Evaluate bridge improvements for Pleasant Run Road over Cottonwood Creek of Ten Mile Creek	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000349	3	Stream 4A4 at Fulghum Road	Dallas County	Evaluate bridge improvements for Fulghum Road over Stream 4A4	Project planning	250,000	2	0.94	1.40	1197	4.7	7.04	0	0	0	7	3.10	6.21	0	0	0	1.01	0.72	56.79	2.90	18.27	1,703
031000219	3	27th Street and Graham Street from Rinehart to Channel	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,419,800	Project planning	250,000	37	2.79	4.19	394	4.0	6.03	4	1.59	3.98	0	0	0	0	0	0	0.62	0.47	144.29	3.48	18.15	1,712
031000342	3	Cottonwood Creek of Ten Mile Creek at Kissell (College) Road	Wilmer	Evaluate bridge improvements for Kissell (College) Road over Cottonwood Creek of Ten Mile Creek	Project planning	250,000	47	2.95	4.42	453	4.1	6.16	0	0	0	2	1.69	3.39	0	0	0	1.86	1.11	74.19	3.07	18.14	1,713
031000346	3	Stream 4A5 at Goode Road	Wilmer	Evaluate bridge improvements for Goode Road over Stream 4A5	Project planning	250,000	47	2.95	4.42	453	4.1	6.16	0	0	0	2	1.69	3.39	0	0	0	1.86	1.11	74.19	3.07	18.14	1,713
031000347	3	Stream 4A5 at IH 45	Wilmer	Evaluate bridge improvements for IH 45 over Stream 4A5	Project planning	250,000	47	2.95	4.42	453	4.1	6.16	0	0	0	2	1.69	3.39	0	0	0	1.86	1.11	74.19	3.07	18.14	1,713
051000073	5	City of Lumberton Greens Branch Ditch Western Extension	Lumberton	H&H Study to identify alternatives for improving existing drainage of Greens Branch Ditch	Project planning	100,000	230	3.97	5.96	622	4.3	6.44	0	0	0	1	1.03	2.07	1	0.89	0.44	4.03	1.69	5.96	1.53	18.14	1,716
101000103	10	Drainage System Improvements - JC Madison Addition	Bastrop County	Drainage System Improvements - JC Madison Addition	Project planning	100,000	103	3.45	5.18	241	3.7	5.59	0	0	0	0	0	0	0	0	0	3.68	1.62	5786.38	5.74	18.13	1,717
061000226	6	City of Brookside Village Master Drainage Plan	Brookside Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	809	4.79	7.19	1467	4.8	7.22	0	0	0	0	0	0	0	0	0	12.40	2.58	3.07	1.13	18.12	1,718
151000044	15	International & E Mile 5 N Improvements	Hidalgo County Drainage District 1	Channel Improvements just upstream of Ditch 35B; Culvert Improvements; Detention North of Llano Grande Lake Just West of 3 Mile Rd; 2- 130,000 GPM Pumps; Channel Improvements Ditch 34, 34B, 34BExt; Regional Detention; Bypass channel from Ditch 34; and Culvert Improvements-Ditch 34 Passing International Blvd.	Project planning	1,094,000	257	4.05	6.07	354	4.0	5.93	0	0	0	0	0	0	0	0	0	6.67	2.09	353.00	4.02	18.12	1,719
151000330	15	City of Rancho Viejo - Rancho Viejo Outfall at US77 Expansion	Rancho Viejo	Drainage Improvements/infrastructure at crossing under US77. Expansion of outlet needed.	Project planning	348,196	129	3.60	5.40	313	3.9	5.82	0	0	0	0	0	0	2	1.46	0.73	15.44	2.76	126.88	3.40	18.11	1,720
051000048	5	City of Lumberton Master Drainage Plan	Lumberton	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	380,000	230	3.97	5.96	622	4.3	6.44	0	0	0	1	1.03	2.07	1	0.89	0.44	3.92	1.67	5.85	1.51	18.10	1,721
071000051	7	City of Sudan DMP	Sudan	Evaluate City of Sudan for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	70	3.20	4.81	634	4.3	6.46	3	1.38	3.46	0	0	0	0	0	0	5.33	1.91	5.33	1.46	18.09	1,722
031000127	3	Pecan Creek Channelization Study	Valley View	Evaluate channelization project for Pecan Creek to reduce flooding.	Project planning	100,000	5	1.50	2.25	171	3.5	5.28	0	0	0	5	2.72	5.43	0	0	0	2.09	1.19	306.13	3.94	18.09	1,723
031000128	3	Lindsay Waterways Improvements Study	Lindsay	Identify alternatives to reshape waterways to allow quicker flow in areas that have regular flooding. Study potential construction of gabion retaining walls, and widening and/or deepening of the waterway.	Project planning	100,000	46	2.93	4.40	2261	5.1	7.61	0	0	0	0	0	0	0	0	0	2.29	1.26	1251.37	4.80	18.07	1,724
061000551	6	St. Charles Street Drainage Improvements Project	League City	Further analysis of proposed storm sewer improvements to St Charles Street and evaluation of detention.	Project planning	50,000	240	4.00	6.00	1168	4.7	7.01	2	1.10	2.75	0	0	0	0	0	0	3.10	1.49	1.75	0.81	18.07	1,725
051000082	5	City of Vidor Schoolhouse Ditch Alternative B	Orange County	H&H study to identify alternatives for Schoolhouse Ditch	Project planning	100,000	150	3.70	5.55	411	4.0	6.07	0	0	0	3	2.14	4.27	3	1.84	0.92	2.11	1.20	0.06	0.03	18.04	1,726
051000083	5	City of Vidor Schoolhouse Ditch Alternative C	Orange County	H&H study to identify alternatives for Schoolhouse Ditch	Project planning	100,000	150	3.70	5.55	411	4.0	6.07	0	0	0	3	2.14	4.27	3	1.84	0.92	2.11	1.20	0.06	0.03	18.04	1,726
031000285	3	Headwaters of South Fork Trinity River Tributaries Through Hudson Oaks	Hudson Oaks	Study to determine flooding issues and potential future projects.	Watershed planning	164,000	33	2.72	4.07	1703	4.9	7.35	1	0.67	1.68	0	0	0	0	0	0	0.62	0.47	714.98	4.46	18.04	1,728
011000011	1	Dickens County FIS	Dickens County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	920,000	14	2.16	3.24	13	2.0	2.95	0	0	0	1	1.03	2.07	1	0.89	0.44	15.00	2.74	23267.19	6.59	18.03	1,729
011000047	1	Dickens County Drainage Master Plan	Dickens County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; survey responses report issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	500,000	14	2.16	3.24	13	2.0	2.95	0	0	0	1	1.03	2.07	1	0.89	0.44	15.00	2.74	23267.19	6.59	18.03	1,729
031000407	3	Dallas County Inland Port Drainage Improvements - Creek (4A4) - Goode Road.	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of a new culvert at N. Goode Road	Project planning	20,000	2	0.94	1.40	1055	4.6	6.92	0	0	0	7	3.10	6.21	0	0	0	0.91	0.65	48.03	2.80	17.99	1,731
031000408	3	Dallas County Inland Port Drainage Improvements - Creek (4A4) - Fulghum Road.	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of a new culvert at Fulghum Road	Project planning	20,000	2	0.94	1.40	1055	4.6	6.92	0	0	0	7	3.10	6.21	0	0	0	0.91	0.65	48.03	2.80	17.99	1,731
121000085	12	Damage Center 9- Alazan Creek	San Antonio	severe flooding upstream of South Colorado Street, where the majority of the buildings flood during the 10&50 yr. Channel improvments	Project planning	19,406,184	237	3.99	5.99	615	4.3	6.43	1	0.67	1.68	0	0	0	37	4.35	2.17	3.90	1.67	0.08	0.05	17.99	1,733
101000062	10	MLK Blvd to Mexico Street	Edna	Replace culverts with larger box culverts & parallel wings; MLK Blvd to Mexico St	Project planning	100,000	223	3.95	5.93	689	4.4	6.54	0	0	0	0	0	0	0	0	0	5.34	1.91	169.89	3.58	17.96	1,734
151000389	15	Willacy County Precinct No.1 - La Sara Drain Ditch improvement	Willacy County	improve ~6,000 LF of existing drain ditches in La Sara	Project planning	145,166	102	3.45	5.17	108	3.2	4.86	1	0.67	1.68	0	0	0	0	0	0	5.76	1.97	508.89	4.25	17.93	1,735
031000287	3	Headwaters of Willow Creek Regulatory Floodplain Determination Study	Mansfield	Mapping study for Headwaters of Willow Creek through Mansfield ETJ.	Watershed planning	137,000	43	2.89	4.33	1911	5.0	7.46	0	0	0	1	1.03	2.07	0	0	0	0.53	0.41	188.25	3.64	17.91	1,736
061000076	6	Dredging Cedar Bayou	Chambers County	Study of proposed Cedar Bayou dredging to determine flood risk reduction potential.	Project planning	7,070,000	119	3.55	5.32	677	4.3	6.52	0	0	0	0	0	0	0	0	0	6.30	2.04	341.09	4.00	17.89	1,737
061000473	6	Richmond Plaza (South) Drainage and Paving Improvements (Chimney Rock - Burnett/Bayland Park)	Houston	Project for design and construction of storm drainage and paving improvements in the Richmond Plaza Area to reduce risk and structural flooding. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	306	4.16	6.24	1570	4.9	7.28	2	1.10	2.75	0	0	0	0	0	0	3.67	1.62	0	0	17.89	1,738

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
011000133	1	McCarty Lake Project Planning (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Excavate 900,000 CY. Raise street and install equalization culverts. Add new pumping station with suction line, and add new force main. Project identified from 2019 Amarillo DMP.	Project planning	382,000	200	3.88	5.83	680	4.3	6.52	0	0	0	0	0	0	0	0	0	12.79	2.61	53.64	2.87	17.83	1,739
011000141	1	McCarty Lake Project Planning - Fulton/ Hampton Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to McCarty Lake Study Area - Fulton/ Hampton Storm Sewer. Project identified from 2019 Amarillo DMP.	Project planning	250,000	200	3.88	5.83	680	4.3	6.52	0	0	0	0	0	0	0	0	0	12.79	2.61	53.64	2.87	17.83	1,739
011000147	1	McCarty Lake Project Planning - Downstream I-27 (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements consist of constructing a relief interceptor sized to take storm flows to McCarty Lake. Project identified from 2019 Amarillo DMP.	Project planning	383,000	200	3.88	5.83	680	4.3	6.52	0	0	0	0	0	0	0	0	0	12.79	2.61	53.64	2.87	17.83	1,739
011000148	1	McCarty Lake Project Planning - Hillside/Hampton Storm Sewer (1B) (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements include adding storm drain, adding parallel system, and then connecting to the existing crossing. Project identified from 2019 Amarillo DMP.	Project planning	250,000	200	3.88	5.83	680	4.3	6.52	0	0	0	0	0	0	0	0	0	12.79	2.61	53.64	2.87	17.83	1,739
011000159	1	McCarty Lake Project Planning - Hillside/Hampton Storm Sewer (2A) (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements include the interceptor and inlets and parallel storm drain to direct flow into the existing storm drain system. Project identified from 2019 Amarillo DMP.	Project planning	250,000	200	3.88	5.83	680	4.3	6.52	0	0	0	0	0	0	0	0	0	12.79	2.61	53.64	2.87	17.83	1,739
011000160	1	McCarty Lake Project Planning - Hillside/Hampton Storm Sewer (2B) (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements include inlets and capacity, including extending the storm drain to tie into the Catalpa storm drain and outfall. Project identified from 2019 Amarillo DMP.	Project planning	250,000	200	3.88	5.83	680	4.3	6.52	0	0	0	0	0	0	0	0	0	12.79	2.61	53.64	2.87	17.83	1,739
011000168	1	McCarty Lake Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP	Watershed planning	923,000	200	3.88	5.83	680	4.3	6.52	0	0	0	0	0	0	0	0	0	12.79	2.61	53.64	2.87	17.83	1,739
151000202	15	MI13c Ragland	Mission	5363 feet of storm sewer upgrade	Project planning	184,445	357	4.26	6.39	1171	4.7	7.02	0	0	0	0	0	0	0	0	0	5.74	1.97	27.23	2.45	17.83	1,746
121000083	12	Damage Center 6- Martinez Creek	San Antonio	Voluntary Property Acquisition is the only option that would be recommended under current regulatory and funding scenarios	Project planning	40,552,312	427	4.38	6.56	1043	4.6	6.91	0	0	0	0	0	0	29	4.10	2.05	8.40	2.27	0	0	17.80	1,747
151000032	15	Edwards County	Edwards County	Develop Flood risk maps for the county of Edwards and develop CIP	Watershed planning	250,000	27	2.59	3.88	9	1.7	2.62	0	0	0	6	2.93	5.85	0	0	0	18.10	2.89	32.36	2.56	17.79	1,748
151000265	15	Detention Pond	Edcouch	Construction of detention pond to maintain and regulate flows from the City to the County system.	Project planning	90,000	218	3.94	5.91	643	4.3	6.47	0	0	0	0	0	0	0	0	0	6.72	2.10	110.79	3.31	17.79	1,749
151000266	15	Ditch Widening	Edcouch	Construction of ditch widening to increase drainage capacity prior to reaching County drainage system.	Project planning	144,000	218	3.94	5.91	643	4.3	6.47	0	0	0	0	0	0	0	0	0	6.72	2.10	110.79	3.31	17.79	1,749
151000267	15	Drainage Infrastructure Improvements	Edcouch	Upgrades to the City drainage system to convey required flows and alleviate flooding based on the masterplan.	Project planning	180,000	218	3.94	5.91	643	4.3	6.47	0	0	0	0	0	0	0	0	0	6.72	2.10	110.79	3.31	17.79	1,749
031000327	3	Mill Branch at Houston School Road	Lancaster	Evaluate bridge improvements for Houston School Road over Mill Branch	Project planning	250,000	54	3.04	4.55	3744	5.4	8.07	0	0	0	1	1.03	2.07	0	0	0	2.14	1.21	10.68	1.88	17.78	1,752
031000328	3	Mill Branch at Wintergreen Road	Lancaster	Evaluate bridge improvements for Wintergreen Road over Mill Branch	Project planning	250,000	54	3.04	4.55	3744	5.4	8.07	0	0	0	1	1.03	2.07	0	0	0	2.14	1.21	10.68	1.88	17.78	1,752
061000052	6	West Fork Chocolate Bayou	Brazoria Drainage District 4	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	2,072,000	295	4.14	6.20	393	4.0	6.03	0	0	0	0	0	0	0	0	0	6.01	2.01	157.04	3.53	17.77	1,754
151000379	15	La Feria Irrigation District - Tio Cano Lake Capacity Improvements	La Feria Irrigation District Cameron County 3	Deepening/widening of Tio Cano Lake to provide storage	Project planning	92,730	107	3.48	5.22	168	3.5	5.26	0	0	0	0	0	0	9	2.92	1.46	3.10	1.49	588.74	4.34	17.76	1,755
151000386	15	Cameron County - Reba-Bass Lake Drainage Improvements	Cameron County	Drainage improvements between Bus 83 and Arroyo Colorado	Project planning	147,457	203	3.89	5.84	438	4.1	6.13	0	0	0	0	0	0	0	0	0	4.62	1.80	334.00	3.99	17.76	1,756
051000022	5	Van Zandt County Update Flood Hazard Mapping	Van Zandt County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,111,237	217	3.94	5.91	202	3.6	5.43	0	0	0	0	0	0	0	0	0	13.47	2.65	231.80	3.77	17.75	1,757
051000043	5	Van Zandt County Master Drainage Plan	Van Zandt County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	484,386	217	3.94	5.91	202	3.6	5.43	0	0	0	0	0	0	0	0	0	13.47	2.65	231.80	3.77	17.75	1,757
101000107	10	Citywide Drainage Plan	Johnson City	City Drainage Plan	Watershed planning	250,000	48	2.96	4.44	394	4.0	6.03	0	0	0	3	2.14	4.27	0	0	0	0	0	67.50	3.01	17.75	1,759
101000108	10	Develop New/Updated Floodplain Maps	Johnson City	Develop New/Updated Floodplain Maps	Watershed planning	250,000	48	2.96	4.44	394	4.0	6.03	0	0	0	3	2.14	4.27	0	0	0	0	0	67.50	3.01	17.75	1,759
031000372	3	Shannon Creek - Culvert to Main Stem Shannon Creek	Burleson	Study to assess the implementation of additional culverts and channel improvements to prevent overtopping of John Jones Dr.	Project planning	146,000	12	2.06	3.09	5810	5.6	8.46	0	0	0	1	1.03	2.07	0	0	0	1.90	1.12	64.85	2.98	17.73	1,761
081000959	8	A14	Upper Brushy Creek WCID	Addition of in-line detention west of Dam 17.	Project planning	250,000	8	1.80	2.70	216	3.7	5.49	0	0	0	2	1.69	3.39	9	2.92	1.46	0.74	0.55	426.56	4.14	17.73	1,762
061000407	6	Luce Bayou (Z100-00-00-P026) Bypass Channel	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel bypass to provide Luce main stem upstream and local overland flooding relief.	Project planning	30,000	351	4.25	6.37	471	4.1	6.19	0	0	0	0	0	0	0	0	0	6.11	2.02	83.47	3.14	17.72	1,763
061000412	6	Luce Bayou (Z100-00-00-P026) Channelization	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel improvements along Luce main stem.	Project planning	30,000	351	4.25	6.37	471	4.1	6.19	0	0	0	0	0	0	0	0	0	6.11	2.02	83.47	3.14	17.72	1,763
061000413	6	Luce Bayou (Z100-00-00-P026) Upstream Detention	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of regional detention upstream of Luce Bayou, including acquiring open land north of Harris County.	Project planning	30,000	351	4.25	6.37	471	4.1	6.19	0	0	0	0	0	0	0	0	0	6.11	2.02	83.47	3.14	17.72	1,763
151000177	15	ML06p Lower ECD	Mission	13720 feet of channel Improvements. New construction of detention basin on Glasscock Rd of 40 acre- feet.	Project planning	110,200	313	4.17	6.26	853	4.5	6.73	0	0	0	0	0	0	0	0	0	5.01	1.86	52.23	2.85	17.71	1,766
051000118	5	Main A Channel Improvements	Jefferson County Drainage District 7	H&H study to identify alternatives for Main A Channel	Project planning	100,000	147	3.68	5.53	822	4.5	6.70	2	1.10	2.75	0	0	0	0	0	0	3.21	1.52	3.54	1.21	17.70	1,767
031000051	3	University Park DMP	University Park	Evaluate City and identify future projects.	Watershed planning	500,000	22	2.45	3.68	35087	6.7	10.09	0	0	0	2	1.69	3.39	0	0	0	0.31	0.24	0.44	0.26	17.66	1,768
031000132	3	University Park Storm Water Infrastructure Improvements Study	University Park	Evaluation of storm drain system improvements including new storm sewer inlets, mains, and underground detention system to reduce flooding in Northeast portion of the City.	Project planning	660,000	22	2.45	3.68	35087	6.7	10.09	0	0	0	2	1.69	3.39	0	0	0	0.31	0.24	0.44	0.26	17.66	1,768
031000004	3	Clay County FEMA Mapping	Clay County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,470,000	28	2.61	3.91	166	3.5	5.25	0	0	0	0	0	0	0	0	0	17.72	2.87	4620.75	5.60	17.64	1,770
061000545	6	Highland Terrace and Wesley Drive Drainage Improvements	League City	Evaluation of an extension of the FM 518 & Wesley Drive Drainage Improvement project. Includes extending storm sewer improvements.	Project planning	600,000	29	2.63	3.95	503	4.2	6.25	8	2.11	5.28	0	0	0	0	0	0	1.25	0.84	4.09	1.30	17.62	1,771
121000015	12	Master Drainage Plan	Selma	A detailed drainage study of the city of Selma	Watershed planning	577,600	102	3.45	5.17	752	4.4	6.62	0	0	0	0	0	0	22	3.82	1.91	5.34	1.91	13.01	2.00	17.61	1,772
081001284	8	Waco Creek Diversion Tunnel	Waco	Addition of a diversion culvert to reroute flow from Waco Creek to the Brazos River. Additional improvements to existing diversion tunnels and crossings.	Project planning	300,000	76	3.26	4.89	1723	4.9	7.37	1	0.67	1.68	0	0	0	0	0	0	19.80	2.96	1.45	0.72	17.60	1,773
151000127	15	City of Rio Bravo	Rio Bravo	Develop Flood risk maps for the city of Rio Bravo and develop CIP	Watershed planning	250,000	263	4.06	6.09	1201	4.7	7.04	1	0.67	1.68	0	0	0	0	0	0	4.89	1.84	2.23	0.94	17.60	1,774

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000395	6	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-09-00	Harris County Flood Control District	Develop BCA to become a FMP. Part of Halls Ahead Bond Implementation Program, could reduce flood risk for 80+ structures, size of the floodplain by 30+ acres & frequency & duration of flooding of up to half a mile of roadway in an Atlas 14 1% event.	Project planning	30,000	260	4.05	6.08	425	4.1	6.10	3	1.38	3.46	0	0	0	0	0	0	4.40	1.76	0.20	0.12	17.52	1,775
031000307	3	Hutchins Creek at Denton Street	Hutchins	Evaluate culvert improvements for Denton Street over Hutchins Creek	Project planning	250,000	7	1.71	2.57	5476	5.6	8.41	0	0	0	2	1.69	3.39	0	0	0	0.87	0.63	29.77	2.51	17.51	1,776
031000308	3	Hutchins Creek at J J Lemmon Street	Hutchins	Evaluate bridge improvements for J J Lemmon Street over Hutchins Creek	Project planning	250,000	7	1.71	2.57	5476	5.6	8.41	0	0	0	2	1.69	3.39	0	0	0	0.87	0.63	29.77	2.51	17.51	1,776
031000309	3	Hutchins Creek at Main Sreet	Hutchins	Evaluate bridge improvements for Main Street over Hutchins Creek	Project planning	250,000	7	1.71	2.57	5476	5.6	8.41	0	0	0	2	1.69	3.39	0	0	0	0.87	0.63	29.77	2.51	17.51	1,776
151000362	15	City of Primera - Primera/Wilson Tract Main Outfall Improvements	Primera	Improvements/expansion along Wilson main tract to relief stacking into Primera.	Project planning	110,670	57	3.07	4.61	134	3.4	5.06	0	0	0	0	0	0	26	3.99	2.00	3.05	1.47	623.93	4.37	17.50	1,779
121000061	12	Hubner Creek Flood Protection Barier	San Antonio	This project includes proposed Flood Protection Barrier between Ingram Road and Culebra Road	Project planning	22,480,288	115	3.53	5.29	1059	4.6	6.93	0	0	0	1	1.03	2.07	10	3.03	1.51	1.86	1.11	1.12	0.59	17.50	1,780
031000345	3	Stream 4A1 at Goode Road	Wilmer	Evaluate bridge improvements for Goode Road over Stream 4A1	Project planning	250,000	29	2.63	3.95	514	4.2	6.27	0	0	0	2	1.69	3.39	0	0	0	0.57	0.43	137.57	3.45	17.49	1,781
031000350	3	Stream 4A1 at Geller Road	Dallas County	Evaluate bridge improvements for Geller Road over Stream 4A1	Project planning	250,000	29	2.63	3.95	514	4.2	6.27	0	0	0	2	1.69	3.39	0	0	0	0.57	0.43	137.57	3.45	17.49	1,781
151000310	15	Hidalgo County Precinct 3 - Mile 8 1/2	Hidalgo County	Improve drainage system outfalling into the Raymondville Drain	Project planning	307,357	116	3.53	5.30	268	3.8	5.68	0	0	0	0	0	0	0	0	0	5.38	1.92	869.95	4.58	17.48	1,783
051000156	5	Colonial Outfall Ditch Culvert Improvements	Orange County Drainage District	H&H Study to analyze most efficient alternatives to install new culverts along FM 1442 (Bridge City) at Colonial Outfall Ditch.	Project planning	200,000	188	3.84	5.77	905	4.5	6.78	0	0	0	1	1.03	2.07	1	0.89	0.44	4.90	1.85	0.97	0.53	17.44	1,784
031000136	3	Hunterwood Stream Stabilization Project	Coppell	Installation and maintenance of gabion walls to mitigate stream bank erosion during extreme flood events	Project planning	100,000	20	2.39	3.59	60020	7.1	10.58	0	0	0	0	0	0	0	0	0	1.23	0.83	26.16	2.43	17.43	1,785
121000031	12	Indian Creek Mapping Improvements	Bulverde	Alternative Anylsis and Project recommendation	Project planning	100,000	33	2.72	4.07	41	2.7	3.98	5	1.76	4.40	0	0	0	7	2.67	1.33	1.00	0.71	58.65	2.92	17.43	1,786
081000042	8	Lea/Penn and Red Bird Lane Improvements	Fulshear	Design of diversion channel and road construction to reduce flooding and provide access to neighborhoods.	Project planning	262,000	80	3.29	4.94	141	3.4	5.10	0	0	0	0	0	0	9	2.92	1.46	1.64	1.02	1414.10	4.88	17.40	1,787
031000133	3	Exall and Wycliffe Dam Maintenance Protocol for Drainage Systems and Flood Control Structures	Highland Park	Analyze maintenance protocol for Drainage Systems/Flood Control Structures in and around the Exall and Wycliffe Dams. Conduct study to determine roadway reconstruction, culvert/bridge construction and associated bank protection and improvements	Project planning	175,000	17	2.29	3.43	7489	5.8	8.69	0	0	0	3	2.14	4.27	0	0	0	1.53	0.98	0	0	17.37	1,788
131000209	13	Risk Area 16 - Tierra Verde	Robstown	Runoff collects and ponds throughout the residential areas. As runoff increases the flow moves through and further inundates the residential area.	Project planning	100,000	28	2.61	3.91	34	2.5	3.82	8	2.11	5.28	0	0	0	0	0	0	0.91	0.66	207.20	3.70	17.36	1,789
071000208	7	City of Abilene Elm Creek Detention below Southwest Drive	Abilene	Proposed detention pond	Project planning	700,000	175	3.80	5.70	655	4.3	6.49	0	0	0	0	0	0	0	0	0	3.05	1.48	206.64	3.70	17.36	1,790
061000290	6	City of Taylor Lake Village Master Drainage Plan	Taylor Lake Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	170,000	852	4.82	7.24	1955	5.0	7.48	0	0	0	0	0	0	0	0	0	13.33	2.64	0	0	17.36	1,791
031000211	3	Varsity Drive and Christy St from Varsity to Mountain Creek Lake	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $4,768,500	Project planning	250,000	7	1.71	2.57	22500	6.5	9.69	0	0	0	1	1.03	2.07	0	0	0	0.65	0.49	30.79	2.53	17.35	1,792
151000305	15	Hidalgo County Precinct 1 - Monte Alto	Hidalgo County	Alleviate subdivision flooding by creating a ditch.	Project planning	306,534	110	3.50	5.25	452	4.1	6.16	0	0	0	0	0	0	0	0	0	3.40	1.56	631.60	4.38	17.34	1,793
031000409	3	Dallas County Inland Port Drainage Improvements - Keller Branch Creek - W Main	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of a new culvert at W Main	Project planning	20,000	25	2.54	3.80	3215	5.3	7.93	0	0	0	1	1.03	2.07	0	0	0	0.88	0.64	54.89	2.88	17.32	1,794
031000410	3	Dallas County Inland Port Drainage Improvements - Keller Branch Creek - N Jefferson	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of a new Bridge at N Jefferson	Project planning	20,000	25	2.54	3.80	3215	5.3	7.93	0	0	0	1	1.03	2.07	0	0	0	0.88	0.64	54.89	2.88	17.32	1,794
031000411	3	Dallas County Inland Port Drainage Improvements - Keller Branch Creek - 2nd St.	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of a new culvert at 2nd St	Project planning	20,000	25	2.54	3.80	3215	5.3	7.93	0	0	0	1	1.03	2.07	0	0	0	0.88	0.64	54.89	2.88	17.32	1,794
011000010	1	King County FIS	King County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	955,000	10	1.94	2.92	7	1.6	2.39	0	0	0	1	1.03	2.07	1	0.89	0.44	10.70	2.47	46809.73	7.02	17.31	1,797
101000110	10	Various Culverts Along Stevenson Slough	Sweeny	Enlarge culverts along Stevenson Slough	Project planning	125,000	205	3.90	5.85	296	3.8	5.77	0	0	0	0	0	0	0	0	0	3.80	1.64	334.60	3.99	17.26	1,798
101000244	10	El Lobo Neighborhood Drainage Improvements	Wharton County	Evaluate BCA and define construction cost for levee improvements, channel improvements, and drainage improvements needed to reduce flood risk for the El Lobo Neighborhood.	Project planning	50,000	136	3.63	5.45	223	3.7	5.52	0	0	0	0	0	0	0	0	0	5.68	1.96	561.89	4.31	17.24	1,799
031000145	3	CR 1400 drainage study	Malakoff	Evaluate widening road and installing box drains where necessary.	Project planning	500,000	30	2.65	3.98	2940	5.2	7.85	1	0.67	1.68	0	0	0	0	0	0	1.57	0.99	42.99	2.73	17.23	1,800
031000101	3	Country Club Add., Club Hill Est., & Eastern Hills Est. Drainage Study Update	Garland	Area 6	Project planning	127,000	10	1.94	2.92	8643	5.9	8.82	0	0	0	1	1.03	2.07	0	0	0	0.36	0.29	83.12	3.14	17.23	1,801
121000123	12	City of Floresville Flood Study	Floresville	City wide study	Watershed planning	100,000	107	3.48	5.22	161	3.5	5.22	0	0	0	0	0	0	26	3.99	2.00	3.81	1.65	80.78	3.12	17.20	1,802
121000148	12	Property acquisition and demolition and/or relocations	Floresville	Property acquisition and demolition and/or relocations	Project planning	1,500,000	107	3.48	5.22	161	3.5	5.22	0	0	0	0	0	0	26	3.99	2.00	3.81	1.65	80.78	3.12	17.20	1,802
081001286	8	Taylor / Elm Storm Infrastructure & Outfall	Waco	Extension of current storm infrastructure in the area to improve drainage. Potential levee along MLK Boulevard to direct flow and prohibit road overtopping.	Project planning	917,000	69	3.19	4.79	705	4.4	6.56	1	0.67	1.68	0	0	0	0	0	0	6.60	2.08	14.70	2.07	17.18	1,804
061000369	6	Cedar Bayou Flood Risk Reduction Study - Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou (Q100-00-00)	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Property Acquisition in segment from IH-10 to SH 146 along Cedar Bayou.	Project planning	30,000	319	4.19	6.28	729	4.4	6.59	0	0	0	0	0	0	0	0	0	5.26	1.90	25.33	2.41	17.18	1,805
061000054	6	Cannon Ditch Segment 2	Brazoria Drainage District 4	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	932,000	572	4.57	6.85	641	4.3	6.47	0	0	0	0	0	0	0	0	0	2.78	1.41	26.85	2.44	17.17	1,806
071000048	7	City of Seymour DMP	Seymour	Evaluate city to analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate city storm infrastructure for deficiencies.	Watershed planning	250,000	195	3.87	5.80	592	4.3	6.40	0	0	0	0	0	0	0	0	0	7.98	2.23	42.70	2.73	17.16	1,807
151000311	15	Hidalgo County Precinct 3 - Inspiration Rd	Hidalgo County	Improve drainage system outfalling into the Raymondville Drain	Project planning	601,684	129	3.60	5.40	284	3.8	5.73	0	0	0	0	0	0	0	0	0	5.06	1.87	434.68	4.15	17.16	1,808
121000062	12	Damage Center 5-Salado Creek Trib F	San Antonio	Approximately 4,487 feet of channel improvements as well as constructing two inline reservoirs.	Project planning	7,617,754	54	3.04	4.55	243	3.7	5.59	0	0	0	3	2.14	4.27	9	2.92	1.46	1.23	0.83	0.74	0.42	17.13	1,809
151000059	15	City of Sullivan City	Sullivan City	Develop Flood risk maps for the city of Sullivan City and develop CIP	Watershed planning	250,000	153	3.71	5.57	633	4.3	6.46	0	0	0	0	0	0	0	0	0	4.14	1.71	122.03	3.37	17.11	1,810
061000425	6	Clear Creek - Rehabilitation of the A214-00-00 channel to Restore Channel Conveyance Capacity	Harris County Flood Control District	Major maintenance to restore channel conveyance capacity.	Project planning	30,000	424	4.37	6.56	1153	4.7	7.00	0	0	0	0	0	0	0	0	0	8.91	2.32	3.38	1.19	17.06	1,811
101000104	10	Citywide Drainage System Improvements	Smithville	Citywide Drainage System Improvements	Watershed planning	500,000	83	3.31	4.97	616	4.3	6.44	0	0	0	0	0	0	0	0	0	3.79	1.64	335.36	3.99	17.04	1,812
121000082	12	Damage Center 3- Zarzamora Creek	San Antonio	The proposed earthen channel would begin upstream of the pedestrian bridge and end approximately 780 feet downstream of Ingram Road	Project planning	32,730,102	62	3.13	4.69	223	3.7	5.52	1	0.67	1.68	1	1.03	2.07	21	3.77	1.89	1.90	1.12	0.07	0.04	17.00	1,813
151000297	15	Engleman Irrigation District - FM 493 N - FM 1925 Ditch Rehab	Engelman Irrigation District	Drainage ditch improvement along FM 493 North & FM 1925	Project planning	83,006	98	3.42	5.13	244	3.7	5.60	0	0	0	0	0	0	0	0	0	4.20	1.72	824.95	4.54	17.00	1,814

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
101000195	10	Spicewood Springs Road Low Water Crossing #1 Project Planning	Travis County	Project planning for bridge to replace undersized box culvert. Develop technical data required for FMP.	Project planning	682,500	10	1.94	2.92	13	2.0	2.95	0	0	0	7	3.10	6.21	0	0	0	1.64	1.02	282.51	3.89	16.98	1,815
031000151	3	County Rd 125 Automatic Warning Barricade Installation	Kaufman County	Evaluate alternatives to install automatic warning barricades at County Rd 125 low-water crossing	Project planning	50,000	76	3.26	4.89	678	4.3	6.52	0	0	0	0	0	0	0	0	0	0.95	0.68	1408.57	4.87	16.96	1,816
151000457	15	City of La Joya - Holistic HUC Flood Protection Study	La Joya	Develop flood risk maps for the City of La Joya and develop CIP.	Watershed planning	1,500,000	86	3.34	5.01	203	3.6	5.43	0	0	0	0	0	0	0	0	0	6.69	2.09	666.66	4.41	16.94	1,817
061000065	6	Hickory Slough Lower Segment	Pearland	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	1,048,000	424	4.37	6.56	1097	4.6	6.96	0	0	0	0	0	0	0	0	0	6.26	2.04	4.77	1.39	16.94	1,818
061000483	6	Turkey Gully	Houston	This study will analyze the local drainage systems in the Shady Acres area to divert stormwater flow from Turkey Gully to White Oak Bayou. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	544	4.53	6.80	983	4.6	6.86	1	0.67	1.68	0	0	0	0	0	0	3.62	1.61	0	0	16.94	1,819
151000315	15	City of Brownsville - North Airport Drainage improvements.	Brownsville	Add detention facilities and improve outfalls	Project planning	303,513	95	3.40	5.10	430	4.1	6.11	0	0	0	0	0	0	7	2.67	1.33	5.14	1.88	29.79	2.51	16.94	1,820
031000292	3	North Creek Watershed Study	Burleson	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Watershed planning	50,000	3	1.18	1.77	7371	5.8	8.68	0	0	0	2	1.69	3.39	0	0	0	1.17	0.80	20.00	2.26	16.90	1,821
061000272	6	City of Patton Village Master Drainage Plan	Patton Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	200,000	441	4.40	6.60	532	4.2	6.30	0	0	0	0	0	0	0	0	0	14.43	2.71	4.10	1.30	16.90	1,822
061000060	6	Hickory Slough Middle Segment	Pearland	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	864,000	353	4.25	6.38	1275	4.7	7.09	0	0	0	0	0	0	0	0	0	4.09	1.70	8.21	1.72	16.89	1,823
031000262	3	Bill Allen Park Erosion Study	The Colony	Evaluate erosion control measures at Blair Oaks Drive to Good Shepherd Lutheran Church.	Project planning	100,000	3	1.18	1.77	12036	6.1	9.12	1	0.67	1.68	0	0	0	0	0	0	1.08	0.75	167.40	3.57	16.89	1,824
131000056	13	Northern San Diego Street Conveyance Improvement	San Diego, Duval	Improvements to street overland drainage system - Curb and gutter replacement - Improve conveyance by road paving and regrading of prioritized streets "	Project planning	25,000	210	3.92	5.87	489	4.2	6.23	0	0	0	0	0	0	57	4.78	2.39	5.52	1.94	0.81	0.45	16.88	1,825
061000546	6	Benson Bayou Regional Mitigation Conveyance & Detention Pond Project	League City	Further study of proposed regrading of Benson Bayou and tributaries along with a regional mitigation pond and reconstruction of road crossings and existing outfall structures.	Project planning	5,000,000	308	4.16	6.25	901	4.5	6.78	0	0	0	0	0	0	0	0	0	7.46	2.18	7.49	1.66	16.87	1,826
061000324	6	Barker Reservoir Flood Risk Reduction and Park Project	Willow Fork Drainage District	Study to further the proposed project. FIF application information unavailable.	Project planning	30,000	115	3.53	5.29	252	3.8	5.63	2	1.10	2.75	0	0	0	0	0	0	1.41	0.92	20.46	2.28	16.86	1,827
041000026	4	Josephine Drainage Master Plan	Josephine	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	100,000	94	3.39	5.09	126	3.3	5.00	0	0	0	1	1.03	2.07	1	0.89	0.44	1.41	0.92	110.03	3.31	16.84	1,828
081000719	8	Carter's Creek Trib B Improvements	Bryan	Study to design culvert improvements along Carter's Creek Trib B.	Project planning	127,000	32	2.70	4.04	32	2.5	3.76	0	0	0	4	2.46	4.92	22	3.82	1.91	1.89	1.12	2.75	1.06	16.82	1,829
151000376	15	La Feria Irrigation District - Bixby Drainage Improvements	La Feria Irrigation District Cameron County 3	Homes flood during storm event. Upgraded infrastructure needed.	Project planning	1,231,036	118	3.54	5.31	246	3.7	5.61	0	0	0	0	0	0	1	0.89	0.44	2.63	1.36	381.74	4.07	16.80	1,830
131000132	13	City of Taft Flood Study	Taft	San Patricio County Hazard Mitigation Action Plan - City of Taft, Action #6 Complete a comprehensive flood study for FEMA flood mapping. Adopt higher floodplain development standards, above the minimum required bas ed on the results of the flood study.	Watershed planning	82,000	89	3.36	5.04	180	3.5	5.32	0	0	0	0	0	0	34	4.26	2.13	1.72	1.05	99.32	3.25	16.79	1,831
031000329	3	Stream 3A1 at Ten Mile Road	Lancaster	Evaluate bridge improvements for Ten Mile Road over Stream 3A1	Project planning	250,000	12	2.06	3.09	931	4.5	6.81	0	0	0	2	1.69	3.39	0	0	0	0.62	0.47	69.59	3.03	16.79	1,832
031000331	3	Ten Mile Creek at Bluegrove Road	Lancaster	Evaluate bridge improvements for Bluegrove Road over Ten Mile Creek	Project planning	250,000	12	2.06	3.09	931	4.5	6.81	0	0	0	2	1.69	3.39	0	0	0	0.62	0.47	69.59	3.03	16.79	1,832
011000012	1	Baylor County FIS	Baylor County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	912,000	64	3.15	4.72	21	2.3	3.38	0	0	0	0	0	0	0	0	0	3.87	1.66	45083.87	7.00	16.76	1,834
011000182	1	Baylor County Drainage Master Plan	Baylor County	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	500,000	64	3.15	4.72	21	2.3	3.38	0	0	0	0	0	0	0	0	0	3.87	1.66	45083.87	7.00	16.76	1,834
121000089	12	Damage Center 23-New Braunfels, Austin Hwy, Broadway Drain	San Antonio	Reduce regional flooding and remove secure safe passage during 100 yr event. Utilizes a combined regional and local trunkline of 4'x4' and new outfall near Patterson Avenue.	Project planning	23,560,934	127	3.59	5.38	1413	4.8	7.19	0	0	0	0	0	0	44	4.52	2.26	5.40	1.92	0	0	16.75	1,836
101000245	10	Pecan Valley Phase 2 Preliminary Engineering Report	Wharton County	Develop revised 30% design, evaluate BCA, update RAS 2D model	Project planning	100,000	86	3.34	5.01	141	3.4	5.10	0	0	0	0	0	0	0	0	0	4.67	1.81	1320.42	4.83	16.75	1,837
151000378	15	La Feria Irrigation District - La Feria/ 6.0 Channel Widening	La Feria Irrigation District Cameron County 3	Channel widening from Arroyo Colorado to Wilson Main Tract crossover	Project planning	421,426	53	3.02	4.54	134	3.4	5.06	0	0	0	0	0	0	36	4.32	2.16	2.31	1.27	218.31	3.73	16.75	1,838
151000298	15	Engleman Irrigation District - FM 493 - FM 1925 Pump Rehab	Engelman Irrigation District	Rehabilitation of pumps for flood relief and to protect Colonias near FM 493 & FM 1925 (2 portable 175hp pumps)	Preparedness	15,180	93	3.39	5.08	215	3.7	5.48	0	0	0	0	0	0	0	0	0	3.83	1.65	803.76	4.53	16.75	1,839
101000074	10	Construct Emergency Operation Center	Palacios	Construct emergency operation center	Project planning	100,000	247	4.02	6.03	305	3.9	5.80	0	0	0	0	0	0	0	0	0	6.88	2.11	47.82	2.80	16.74	1,840
151000452	15	City of Palmview - Holistic HUC Flood Protection Study	Palmview	Develop flood risk maps for the City of Palmview and develop CIP.	Watershed planning	1,500,000	212	3.92	5.88	594	4.3	6.40	0	0	0	0	0	0	0	0	0	5.45	1.93	30.61	2.52	16.74	1,841
011000091	1	Perryton City Drainage Master Plan	Perryton	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs and survey responses	Watershed planning	250,000	304	4.16	6.23	479	4.1	6.21	0	0	0	0	0	0	0	0	0	6.63	2.08	18.13	2.20	16.73	1,842
011000110	1	City of Perryton GIS Development	Perryton	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	304	4.16	6.23	479	4.1	6.21	0	0	0	0	0	0	0	0	0	6.63	2.08	18.13	2.20	16.73	1,842
151000042	15	Mile 11 N & Mile 6 W Improvements	Hidalgo County Drainage District 1	Channel Improvements- Ditch 17B2A1A, Channel Improvements- Ditch 7T,7T1, Local Drainage Improvements- West of Ditch17B2A1A, and Ditch 17B2A1 Detention West	Project planning	570,000	112	3.51	5.26	489	4.2	6.23	0	0	0	0	0	0	0	0	0	2.54	1.34	286.75	3.90	16.72	1,844
151000308	15	Hidalgo County Precinct 3 - Palm Dr.	Hidalgo County	Improve drainage system outfalling into West Main 3.	Project planning	132,984	160	3.74	5.61	432	4.1	6.11	0	0	0	0	0	0	0	0	0	2.64	1.37	178.81	3.61	16.70	1,845
011000088	1	Vernon City Drainage Master Plan	Vernon	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	61	3.11	4.67	509	4.2	6.26	1	0.67	1.68	0	0	0	0	0	0	12.72	2.60	5.25	1.45	16.66	1,846
131000208	13	Risk Area 15 - Spring Gardens & Primavera Estates	Robstown	Runoff collects and ponds throughout the residential areas without adequate ways to drain out.	Project planning	100,000	36	2.77	4.16	34	2.5	3.82	8	2.11	5.28	0	0	0	0	0	0	1.11	0.77	35.79	2.62	16.65	1,847
101000162	10	City of Wharton Citywide Floodplain Map Update	East Bernard	Approx 70 homes are flooded along the San Bernard River during large storm events	Watershed planning	250,000	158	3.73	5.60	223	3.7	5.52	0	0	0	0	0	0	0	0	0	4.14	1.71	253.20	3.82	16.65	1,848
151000203	15	MI14a & MI14b Mission Medical Center / Travis	Mission	1263 feet of storm sewer upgrade	Project planning	44,585	64	3.15	4.72	535	4.2	6.31	1	0.67	1.68	0	0	0	0	0	0	4.03	1.69	19.11	2.24	16.63	1,849
031000035	3	Young County FEMA Mapping	Young County	Create FEMA mapping in previously unmapped areas and update existing FEMA mapping as needed.	Watershed planning	1,407,000	25	2.54	3.80	118	3.3	4.94	0	0	0	0	0	0	0	0	0	6.81	2.10	5757.37	5.74	16.59	1,850
031000301	3	Runyon Springs Branch at Crouch Road	Dallas	Evaluate bridge improvements for Crouch Road over Runyon Springs Branch	Project planning	250,000	9	1.88	2.81	4207	5.4	8.17	0	0	0	1	1.03	2.07	0	0	0	1.98	1.16	23.40	2.36	16.57	1,851
151000200	15	MI13a1 & MI13a2 Spikes & Jupiter	Mission	7042 feet of storm sewer upgrade and an extension of storm sewer of 2354 feet. New construction of two new detention basins one 10 acre foot and the other 40 acre foot.	Project planning	603,768	291	4.13	6.19	503	4.2	6.25	0	0	0	0	0	0	0	0	0	5.76	1.97	16.75	2.15	16.57	1,852
061000248	6	City of Huntsville Master Drainage Plan	Huntsville	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	500,000	114	3.52	5.28	244	3.7	5.60	0	0	0	1	1.03	2.07	1	0.89	0.44	2.70	1.38	9.27	1.79	16.57	1,853

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000262	6	City of Missouri City Master Drainage Plan	Missouri City	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	470,000	213	3.93	5.89	854	4.5	6.73	1	0.67	1.68	0	0	0	0	0	0	2.62	1.36	2.09	0.91	16.57	1,854
031000120	3	Mc Adams Ditch Feasibility Study	Chambers County	Evaluate alternatives for improvements to Mc Adams Ditch (crosses FM 3180 South).	Project planning	500,000	106	3.47	5.21	414	4.1	6.08	0	0	0	0	0	0	0	0	0	1.54	0.98	551.30	4.30	16.56	1,855
151000207	15	MI18b Mission Palms	Mission	1296 feet of storm sewer upgrade	Project planning	43,422	175	3.80	5.70	165	3.5	5.24	1	0.67	1.68	0	0	0	0	0	0	3.44	1.57	23.67	2.37	16.55	1,856
031000385	3	Sub-project C3 - Spring Valley at Towne House Lane	Richardson	Study to reduce flooding Spring Valley Road and overflow to Towne House Lane by replacing undersized storm sewer.	Project planning	223,000	61	3.11	4.67	49	2.8	4.15	8	2.11	5.28	0	0	0	0	0	0	4.57	1.79	1.25	0.64	16.53	1,857
051000129	5	El Vista Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	507	4.49	6.73	750	4.4	6.61	0	0	0	0	0	0	0	0	0	10.02	2.41	1.60	0.77	16.53	1,858
051000139	5	Delmar Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	676	4.67	7.01	1618	4.9	7.31	0	0	0	0	0	0	0	0	0	6.42	2.06	0.22	0.13	16.51	1,859
101000026	10	Smithville Recreation Center Expansion	Smithville	Expand center to improve shelter-in-place capability	Project planning	100,000	65	3.16	4.73	629	4.3	6.45	0	0	0	0	0	0	0	0	0	2.14	1.21	402.50	4.10	16.50	1,860
121000064	12	DC13/14: Walzem Creek	San Antonio	A proposed combination of regional detention and channel improvement to reduce flooding on Walzem Creek.	Project planning	2,034,308	66	3.17	4.75	361	4.0	5.95	0	0	0	2	1.69	3.39	13	3.29	1.65	1.10	0.76	0	0	16.50	1,861
131000166	13	Nueces Delta Preserve Project - Land Acquisition	Coastal Bend Bays and Estuaries Program	This master plan envisions that the delta land identified here will likely become part of the Nueces Delta Preserve via voluntary coordination with private landowners.	Other	1,635,000	58	3.08	4.62	106	3.2	4.84	0	0	0	0	0	0	9	2.92	1.46	5.22	1.89	200.82	3.68	16.50	1,862
061000476	6	Chateau Forest Area Drainage and Paving (30%) Goforth	Houston	Project for design and construction of storm drainage and paving improvements in the Chateau Forest Drive and West Little York Road Areas. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	672	4.67	7.00	1937	5.0	7.47	0	0	0	0	0	0	0	0	0	6.07	2.01	0	0	16.49	1,863
011000136	1	Lawrence Lake Project Planning (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Add new 3,000 GMP pumps at both pumps, replace 15" PV with 20", and replace 16" STL with 24". Project identified from 2019 Amarillo DMP.	Project planning	250,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
011000145	1	Lawrence Lake Outfall (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Project improvements include 2 inlet boxes and parallel relief line that will outfall at the current cascaded outfall. Project identified from 2019 Amarillo DMP.	Project planning	250,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
011000153	1	Lawrence Lake Project Planning - Dilday Draw Storm Sewer (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include channel improvement on several RCP, replacing a 54" and 48" RCP with 60" RCP and adding 30" PCP parallel to 72" RCP. Project identified from 2019 Amarillo DMP.	Project planning	250,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
011000154	1	Lawrence Lake Project Planning - Fleetwood Drive Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Replace pipes with ones with larger diameters, add three new pipes, and connect two pipes in three locations. Project identified from 2019 Amarillo DMP.	Project planning	250,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
011000155	1	Lawrence Lake Project Planning - Julian Blvd. Storm Sewer (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements consist of adding a major trunkline, and a lateral and inlets. Project identified from 2019 Amarillo DMP.	Project planning	250,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
011000156	1	Lawrence Lake Project Planning - Olsen/Emil Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements include new inlets and laterals, and upsizing existing laterals and trunk line through the outfall. Project identified from 2019 Amarillo DMP.	Project planning	250,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
011000157	1	Lawrence Lake Project Planning - SW 26th Avenue Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements include adding multiple inlets and laterals and connecting them into an existing parallel line. Project identified from 2019 Amarillo DMP.	Project planning	250,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
011000164	1	Lawrence Lake Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as very high priority in 2019 Amarillo DMP	Watershed planning	1,000,000	133	3.62	5.43	626	4.3	6.45	1	0.67	1.68	0	0	0	0	0	0	19.09	2.93	0	0	16.49	1,864
081000785	8	Andrus Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations	Project planning	300,000	149	3.69	5.54	137	3.4	5.08	0	0	0	0	0	0	8	2.80	1.40	0.81	0.60	271.70	3.86	16.48	1,872
151000328	15	City of Rancho Viejo - FM 1732/Carmen Ave Crossing Improvements.	Rancho Viejo	Improve drainage structure under FM1732 to equalize flooding across roadway.	Project planning	192,551	25	2.54	3.80	141	3.4	5.10	0	0	0	0	0	0	11	3.12	1.56	3.08	1.48	775.74	4.51	16.46	1,873
111000134	11	Wilson County Stormwater Management Plan	Wilson County	Develop flood hazard information by collecting information, high water marks, and conduct engineering studies to develop the 100 year and 500 year flood elevation levels.	Watershed planning	500,000	41	2.86	4.29	68	3.0	4.44	0	0	0	0	0	0	0	0	0	6.23	2.04	5136.09	5.67	16.43	1,874
111000135	11	Wilson County Low Water Crossing Improvements Project Planning	Wilson County	Project planning to upgrade infrastructure at low water crossings to provide unimpeded access during 100 year base flood event to facilitate evacuation and response by emergency vehicles	Project planning	150,000	41	2.86	4.29	68	3.0	4.44	0	0	0	0	0	0	0	0	0	6.23	2.04	5136.09	5.67	16.43	1,874
151000317	15	City of South Padre Island - Addition of SPI Outfall	South Padre Island	Study outfall needed between Sheraton/Sea Vista	Project planning	362,708	52	3.01	4.52	327	3.9	5.86	1	0.67	1.68	0	0	0	10	3.03	1.51	4.76	1.82	2.46	1.00	16.39	1,876
061000374	6	Cedar Bayou Flood Risk Reduction Study - Q128 Channel Improvements from US 90 to Q100 Confluence	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements from US 90 to Confluence with Q100.	Project planning	30,000	142	3.66	5.49	178	3.5	5.31	0	0	0	0	0	0	0	0	0	6.25	2.04	160.97	3.54	16.39	1,877
131000207	13	Risk Area 24 - San Petronila Estates	Robstown	Excess runoff overtops Co Rd 63 and Co Rd 14F and floods into the residential area.	Project planning	150,000	17	2.29	3.43	20	2.2	3.34	7	2.01	5.03	0	0	0	0	0	0	1.75	1.07	154.16	3.52	16.38	1,878
051000018	5	Shelby County Update Flood Hazard Mapping	Shelby County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	711,827	15	2.21	3.31	7	1.6	2.39	0	0	0	4	2.46	4.92	4	2.12	1.06	4.63	1.80	56.07	2.90	16.37	1,879
051000039	5	Shelby County Master Drainage Plan	Shelby County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,250,000	15	2.21	3.31	7	1.6	2.39	0	0	0	4	2.46	4.92	4	2.12	1.06	4.63	1.80	56.07	2.90	16.37	1,879
111000155	11	Caldwell County CR 230 @ Clear Fork Plum Creek	Caldwell County	Evaluate low-water crossing and roadway upgrades on CR 230 to improve level-of-service	Project planning	50,000	14	2.16	3.24	33	2.5	3.79	0	0	0	3	2.14	4.27	0	0	0	0.65	0.49	865.24	4.57	16.37	1,881
031000481	3	Floodplain Mapping Updates of Graham Branch Tributary 3	Flower Mound	Floodplain mapping of Graham Branch Tributary 3 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	57,000	3	1.18	1.77	1	0.5	0.80	24	2.95	7.36	0	0	0	0	0	0	12.67	2.60	259.93	3.84	16.37	1,882
151000197	15	MI10b Astroland	Mission	8712 feet of storm sewer upgrade and an extension of storm sewer of 3572 feet.	Project planning	400,908	236	3.99	5.99	959	4.6	6.84	1	0.67	1.68	0	0	0	0	0	0	3.89	1.66	0.33	0.20	16.36	1,883
021000032	2	Cowhorn Creek East	City of Texarkana	Extend current H&H study limits to the upstream detention pond. Evaluate existing flooding and develop mitigation actions.	Watershed planning	250,000	247	4.02	6.03	1678	4.9	7.34	0	0	0	0	0	0	0	0	0	8.50	2.28	1.38	0.69	16.35	1,884
021000035	2	Cowhorn West Creek	City of Texarkana	Arroyo Street additional modeling to address flooding	Watershed planning	250,000	247	4.02	6.03	1678	4.9	7.34	0	0	0	0	0	0	0	0	0	8.50	2.28	1.38	0.69	16.35	1,884
101000229	10	Needville Wastewater Treatment Plant Floodproofing	Needville	WWTP located adjacent to Buffalo Creek in the City of Needville. No reported loss of service events in initial outreach, but area needs further detailed study to assess existing flood risk and evaluate projects for future flood planning cycles.	Project planning	100,000	76	3.26	4.89	82	3.1	4.61	0	0	0	0	0	0	0	0	0	2.98	1.46	3222.31	5.38	16.34	1,886

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
101000230	10	Fairchild Creek Drainage Mitigation Study	Needville	The southwest portion of the City of Needville and its extraterritorial jurisdiction has been defined as a major flooding area. Prelim. drainage investigations suggest flooding is caused by interconnection of Buffalo and Fairchild Creek watersheds.	Project planning	100,000	76	3.26	4.89	82	3.1	4.61	0	0	0	0	0	0	0	0	0	2.98	1.46	3222.31	5.38	16.34	1,886
061000208	6	San Jacinto River - G103-33-04	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for G103-33-04 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	200,000	248	4.02	6.04	1137	4.7	6.99	1	0.67	1.68	0	0	0	0	0	0	3.74	1.63	0	0	16.33	1,888
151000277	15	City of La Joya - City of La Joya back flow / river control	La Joya	Create means of controlling the Rio Grande by use of backflow preventer near rail line and Old Military Highway.	Project planning	2,490	85	3.33	4.99	208	3.6	5.45	0	0	0	0	0	0	0	0	0	5.08	1.87	328.95	3.98	16.30	1,889
021000020	2	Sulphur River (Main Stem) Log Jams	Sulphur River Basin Authority	Log and debris jams along Sulphur River near Highway 37	Preparedness	550,000	23	2.48	3.72	26	2.4	3.57	1	0.67	1.68	0	0	0	0	0	0	6.47	2.07	2524.40	5.23	16.27	1,890
101000071	10	Drainage Ditch Maintenance/Improvements	Sunrise Beach Village	Clean out and deepen the stormwater drainage ditches	Project planning	100,000	330	4.21	6.31	422	4.1	6.09	0	0	0	0	0	0	0	0	0	0.82	0.60	100.66	3.25	16.26	1,891
061000454	6	Baretta - Grand Lake Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	102	3.45	5.17	171	3.5	5.28	0	0	0	1	1.03	2.07	1	0.89	0.44	5.95	2.00	3.96	1.28	16.24	1,892
061000368	6	Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou Flood Risk Reduction Study - Q130 Channel improvements from Crosby Eastgate Rd. to Q100 Confluence.	Project planning	30,000	174	3.79	5.69	241	3.7	5.59	0	0	0	0	0	0	0	0	0	3.14	1.50	141.09	3.46	16.24	1,893
151000341	15	Cameron County Precinct No.3 - West Bayview Drainage Improvement (South Green Valley Farms)	Cameron County	Ditch maintenance and improvements, increase culvert size where needed , .5mi W of FM 803 to .5mi E of FM 3609 along FM 510 &~1mi N along FM 803	Project planning	116,495	103	3.45	5.18	348	3.9	5.92	0	0	0	0	0	0	0	0	0	1.18	0.81	581.85	4.33	16.24	1,894
041000021	4	City of Fate Drainage Master Plan	Fate	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	450,000	21	2.42	3.64	128	3.3	5.01	0	0	0	1	1.03	2.07	1	0.89	0.44	3.02	1.47	164.16	3.55	16.19	1,895
011000073	1	Pleasant Valley City Drainage Master Plan	Pleasant Valley	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis and survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	250,000	93	3.39	5.08	216	3.7	5.49	0	0	0	1	1.03	2.07	3	1.84	0.92	0.81	0.59	13.71	2.03	16.18	1,896
031000017	3	Hunt County FEMA Mapping	Hunt County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,064,000	27	2.59	3.88	217	3.7	5.49	0	0	0	0	0	0	0	0	0	3.92	1.67	2148.95	5.13	16.17	1,897
041000070	4	Franklin St Underpass Improvement Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	141	3.66	5.49	1309	4.7	7.12	0	0	0	0	0	0	0	0	0	6.13	2.02	6.13	1.54	16.17	1,898
031000465	3	Upper Sabine SWCD Watershed-wide Dam Evaluations	Upper Sabine SWCD	Upper Sabine watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	454,000	27	2.59	3.88	216	3.7	5.49	0	0	0	0	0	0	0	0	0	3.90	1.67	2148.00	5.13	16.17	1,899
031000472	3	Skylane Gully Improvements Study	Chambers County	Study to provide channel modifications to Skylane Gully to improve conveyance from upstream of FM 2354 to the outfall into Trinity Bay	Project planning	150,000	114	3.52	5.28	866	4.5	6.74	0	0	0	0	0	0	0	0	0	0.99	0.70	132.77	3.42	16.15	1,900
151000182	15	ML10d Driftwood	Mission	3150 feet of storm sewer upgrade, includes 2417 feet of upgrades to trunk line segments along Taylor Rd.	Project planning	205,185	271	4.08	6.12	902	4.5	6.78	0	0	0	0	0	0	0	0	0	4.96	1.85	4.79	1.39	16.15	1,901
071300008	7	City of Abilene Improve Curry Lane Detention Pond	Abilene	Installation of drainage flumes and curb and gutter along Curry Lane, construction of bypass pipe from Catclaw Creek, deepening of existing detention pond and extension of storm drain in Curry Lane	Project planning	500,000	67	3.18	4.76	868	4.5	6.75	0	0	0	0	0	0	0	0	0	1.99	1.16	142.22	3.47	16.13	1,902
151000374	15	Harlingen Irrigation District - Adams Garden Crossing Expansion	Harlingen Irrigation District	Enlarge crossings on entire system to outfall into main floodway	Project planning	1,441,620	13	2.11	3.17	54	2.8	4.23	2	1.10	2.75	0	0	0	2	1.46	0.73	1.13	0.78	728.16	4.47	16.13	1,903
151000209	15	Starr County Hazard Mitigation Plan Action No.21	Starr County Drainage District	Improvements to Arroyo Roma and Arroyo Los Morenos	Project planning	384,000	164	3.76	5.63	579	4.3	6.38	0	0	0	0	0	0	0	0	0	3.87	1.66	27.44	2.46	16.13	1,904
031000139	3	Garner Rd, Chiesa Rd, and Wayne Way Storm Drain System Improvements	Rowlett	Evaluation of storm drain system redirection and improvements at Garner Rd, Chiesa Rd, and Wayne Way	Project planning	1,100,000	13	2.11	3.17	10370	6.0	8.99	0	0	0	0	0	0	0	0	0	4.04	1.69	19.61	2.25	16.10	1,905
031000216	3	South of Bardin Rd and North of Newberry St	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $2,007,600	Project planning	250,000	22	2.45	3.68	11601	6.1	9.09	0	0	0	0	0	0	0	0	0	1.32	0.88	26.93	2.45	16.09	1,906
131000223	13	Co-H: Taft Southwest Outfall	San Patricio County	New outfall ditch starting at Toland Ave and Ash St that will run along Toland Ave and existing lots until it outfalls to US 181, which will also be improved. Culvert crossing will be installed at access road that will be crossed by new ditch.	Project planning	307,000	40	2.84	4.26	88	3.1	4.68	2	1.10	2.75	0	0	0	0	0	0	1.03	0.72	191.70	3.65	16.06	1,907
061000379	6	Cedar Bayou Flood Risk Reduction Study - Channel improvements upstream of FM 1960	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Cedar Bayou channel improvements upstream of FM 1960.	Project planning	30,000	75	3.25	4.87	147	3.4	5.14	0	0	0	0	0	0	0	0	0	4.93	1.85	463.48	4.19	16.05	1,908
111000037	11	City of Luling Drainage Improvements Study	Luling	Study of solutions to upgrade undersized stormwater drains and culverts.	Watershed planning	150,000	74	3.24	4.86	199	3.6	5.41	0	0	0	0	0	0	0	0	0	6.27	2.04	209.52	3.70	16.02	1,909
111000157	11	Caldwell County Cowpen Creek Near Dove Hill Drive	Caldwell County	Evaluate projects to mitigate residential flooding on Cowpen Creek near Dove Hill Drive	Project planning	50,000	23	2.48	3.72	46	2.7	4.09	0	0	0	2	1.69	3.39	0	0	0	0.67	0.50	563.12	4.31	16.02	1,910
121000094	12	Damage Center 31-Rockwood Creek	San Antonio	Limits of the effective DFIRM model are incorrect based on the DFIRM hydrology if the hydrology is re-evaluated to take into account the limiting factor of the storm drain system, the actual flow to Rockwood Crk is less than the DFIRM flow	Watershed planning	150,000	123	3.57	5.35	297	3.9	5.78	2	1.10	2.75	0	0	0	10	3.03	1.51	0.78	0.58	0	0	15.97	1,911
091000108	9	Town of Ballinger DMP	Runnels County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	250,000	13	2.11	3.17	127	3.3	5.01	1	0.67	1.68	0	0	0	0	0	0	14.86	2.73	122.51	3.37	15.96	1,912
131000142	13	Outfall No. 9	Port Aransas	Hazard mitigation drainage improvements for the City of Port Aransas. The outfall has a 8'x3' RCB extending West from HWY 361 to an existing basin, 441 ft. North of the HWY 361 and Access Road 1A intersection.	Project planning	198,000	69	3.19	4.79	131	3.4	5.04	2	1.10	2.75	0	0	0	8	2.80	1.40	2.79	1.41	0.93	0.51	15.89	1,913
151000047	15	FM 1423 and Nolana	Hidalgo County Drainage District 1	Local Drainage Improvements--Storm Drain and Detention South of Earling Road West of Val Verde Street	Project planning	321,000	113	3.51	5.27	421	4.1	6.09	0	0	0	0	0	0	0	0	0	2.11	1.20	110.64	3.31	15.87	1,914
091000005	9	City of Big Lake FEMA Mapping	Big Lake	Create FEMA Mapping in previously unmapped areas	Watershed planning	31,000	75	3.25	4.87	110	3.3	4.88	0	0	0	2	1.69	3.39	0	0	0	2.37	1.29	5.19	1.44	15.87	1,915
061000459	6	Toby - Little Caney Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	271	4.08	6.12	571	4.2	6.37	0	0	0	0	0	0	0	0	0	6.54	2.07	3.90	1.27	15.83	1,916
061000460	6	Southern Oak - Little Laney Creek	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	271	4.08	6.12	571	4.2	6.37	0	0	0	0	0	0	0	0	0	6.54	2.07	3.90	1.27	15.83	1,916
121000079	12	Damage Center 40-San Antonio River DS Reach near Roosevelt	San Antonio	Three lots have 100-year flood depths greater than 2 feet and were therefore not considered for flood-proofing. Due to its location between parks,it appears reasonable to be buyout the flooed properties and continue the park	Project planning	250,000	73	3.23	4.85	892	4.5	6.77	0	0	0	1	1.03	2.07	9	2.92	1.46	0.95	0.68	0	0	15.83	1,918

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000063	12	Damage Center 3-Lorence Creek	San Antonio	Approximately 10,000 feet of channel improvement. The proposed drainage improvements reduces the occurrence of structural flooding in several areas along the banks of the creek.	Project planning	2,473,247	65	3.16	4.73	181	3.6	5.33	0	0	0	2	1.69	3.39	16	3.50	1.75	0.61	0.46	0.22	0.14	15.80	1,919
151000337	15	City of Laguna Vista - Broadway/ FM510 Drainage Improvements	Laguna Vista	Drainage infrastructure improvements needed along Broadway and connecting streets.	Project planning	110,670	80	3.29	4.94	156	3.5	5.19	0	0	0	0	0	0	45	4.54	2.27	2.70	1.38	12.38	1.97	15.75	1,920
031000412	3	Dallas County Inland Port Drainage Improvements - Alta Mesa Branch - Tracy Road	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of a new Bridge at Tracy Road	Project planning	20,000	9	1.88	2.81	1142	4.7	6.99	0	0	0	2	1.69	3.39	0	0	0	1.07	0.75	9.34	1.80	15.74	1,921
031000413	3	Dallas County Inland Port Drainage Improvements -Alta Mesa Branch - Simpson St.	Dallas County	Study to alleviate overtopping during the 100-yr storm event via implementation of a new Bridge at Simpson Street	Project planning	20,000	9	1.88	2.81	1142	4.7	6.99	0	0	0	2	1.69	3.39	0	0	0	1.07	0.75	9.34	1.80	15.74	1,921
051000020	5	Trinity County Update Flood Hazard Mapping	Trinity County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	1,540,238	32	2.70	4.04	15	2.1	3.08	0	0	0	1	1.03	2.07	1	0.89	0.44	22.49	3.06	68.39	3.02	15.72	1,923
051000041	5	Trinity County Master Drainage Plan	Trinity County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	481,324	32	2.70	4.04	15	2.1	3.08	0	0	0	1	1.03	2.07	1	0.89	0.44	22.49	3.06	68.39	3.02	15.72	1,923
121000144	12	Wet-Proof Wastewater System	LaCoste	This action proposes "wet-proofing" city sewer lines to the Wastewater Treatment Plant	Project planning	50,000	170	3.78	5.67	263	3.8	5.67	0	0	0	0	0	0	24	3.91	1.95	4.22	1.73	1.40	0.70	15.71	1,925
151000198	15	MI10c Keralum	Mission	2413 feet of storm sewer upgrade	Project planning	85,389	121	3.56	5.34	365	4.0	5.96	1	0.67	1.68	0	0	0	0	0	0	3.41	1.56	3.33	1.18	15.71	1,926
151000368	15	Cameron County Precinct No.4/Camreon County Drainage District No.5 - Southwest Main Drain / Arroyo Colorado Connector	Cameron County Drainage District 5	Construct a ditch to the Arroyo Colorado via the CCDDNo.5 Southwest Main Drain (Baker Potts - Hoss Lane)	Project planning	529,195	102	3.45	5.17	215	3.7	5.48	0	0	0	0	0	0	0	0	0	1.81	1.09	315.80	3.96	15.70	1,927
081000973	8	Lower Oyster Creek Improvements	Missouri City	Channel bank fill and improvements to create smooth transitions between diversion, flume, and creek channels during large storm improvements.	Project planning	54,000	30	2.65	3.98	58	2.9	4.30	0	0	0	0	0	0	18	3.62	1.81	3.36	1.55	372.68	4.06	15.70	1,928
081000657	8	Briarcreek Court Flooding	Bryan	Study to determine source and mitigation for flooding in the subdivision.	Project planning	83,000	77	3.27	4.90	160	3.5	5.22	0	0	0	2	1.69	3.39	9	2.92	1.46	1.03	0.73	0	0	15.69	1,929
121000113	12	New Drainage Analysis to Update/Revise Flood Maps	LaCoste	This action proposes performing a new drainage analysis for the community to update/revise Flood Maps to better identify areas subject to this Hazard; last study completed in September 1977.	Watershed planning	100,000	170	3.78	5.67	263	3.8	5.67	0	0	0	0	0	0	23	3.87	1.93	4.22	1.73	1.40	0.70	15.69	1,930
081000716	8	Pecan Ridge Subdivision Flooding	Bryan	Masterplan to determine source of flooding and identify potential solutions.	Project planning	50,000	88	3.35	5.03	383	4.0	6.01	0	0	0	0	0	0	14	3.37	1.68	1.00	0.71	20.03	2.26	15.69	1,931
151000125	15	Webb County Drainage District #1	Webb County Drainage District 1	Develop Flood risk maps for the Webb County Drainage District #1 and develop CIP	Watershed planning	1,000,000	68	3.18	4.78	223	3.7	5.52	0	0	0	0	0	0	15	3.44	1.72	3.32	1.54	16.28	2.14	15.69	1,932
151000146	15	Los Presidentes Arterial Road Extension-Phase 1 and 2A	Webb County Drainage District 1	Box culvert structure within the floodplain, conventional drainage systems, and earthen channels	Project planning	1,092,000	68	3.18	4.78	223	3.7	5.52	0	0	0	0	0	0	15	3.44	1.72	3.32	1.54	16.28	2.14	15.69	1,932
151000147	15	Concord Hills Extension and Drainage Improvements	Webb County Drainage District 1	Construction of a new collector road extending from the intersection of Concord Hills Blvd. and Los Presidentes Avenue to the south towards its intersection with Wormser Rd. will benefit the residents of the City of Laredo, and Webb County by improving access for first time responders and overall traffic circulation. This project will incorporate drainage improvements including three creek crossings consisting of box culvert crossings and convetional drainage systems. Environmental and H & H studies will be required.	Project planning	1,522,000	68	3.18	4.78	223	3.7	5.52	0	0	0	0	0	0	15	3.44	1.72	3.32	1.54	16.28	2.14	15.69	1,932
151000148	15	Los Presidentes Pond and Channel Improvements	Webb County Drainage District 1	Project to upgrade the exsiting drainage system by replacing existing concrete line channels to increase flow and capacity through the neighborhood. This will allow flow into the existing detention pond faster and reduce ponding within city streets	Project planning	295,000	68	3.18	4.78	223	3.7	5.52	0	0	0	0	0	0	15	3.44	1.72	3.32	1.54	16.28	2.14	15.69	1,932
151000149	15	UISD/Garcia Pond Update	Webb County Drainage District 1	Existing pond enhancements including dredging and pond outlet improvements aimed at resolving localized flood risk for Lago Del Valle Subdivision	Project planning	135,000	68	3.18	4.78	223	3.7	5.52	0	0	0	0	0	0	15	3.44	1.72	3.32	1.54	16.28	2.14	15.69	1,932
151000150	15	H&H Model and Flood Risk Map Update of Unstudied "A" Zones within WCDD	Webb County Drainage District 1	H&H modeling and LOMR request of remaining 5,700 LF of unstudied "A" Zone along Chacon Creek Tributary 2 to be initiated at its downstream end at Lago Del Valle Dam. This project is also to include a short, 1,000 LF segment of unstudied "A" Zone along Tex-Mex Tributary.	Project planning	65,000	68	3.18	4.78	223	3.7	5.52	0	0	0	0	0	0	15	3.44	1.72	3.32	1.54	16.28	2.14	15.69	1,932
151000151	15	H&H Modeling and Localized Flood Mapping of Existing Creeks Outside of Regulatory Floodplain	Webb County Drainage District 1	H&H modeling and inundation mapping of existing creeks outside of the relatory floodplain identified by the National Hydroraphy Dataset within the Webb County Drainage Districti No. 1.	Project planning	50,000	68	3.18	4.78	223	3.7	5.52	0	0	0	0	0	0	15	3.44	1.72	3.32	1.54	16.28	2.14	15.69	1,932
121000028	12	Damage Center 4- Apache Creek	San Antonio	Majority of the flooding is caused by the undersized culverts downstream of West Woodlawn, providing addition of box culverts will provide adequate capacity to the existing storm drain system	Project planning	8,787,565	116	3.53	5.30	366	4.0	5.96	0	0	0	1	1.03	2.07	11	3.12	1.56	1.16	0.80	0	0	15.69	1,939
101000228	10	Cummins Creek WS SCS Site 1 Dam Flood Management Evaluation	Lee County	H&H modeling to quantify flood risk/exposure, prelim dam modification feasibility assessment, development of prelim dam modification costs, BCA, constraint evaluation/comparative analysis of other flood reduction measures in report with recommendations	Project planning	100,000	47	2.95	4.42	44	2.7	4.05	0	0	0	1	1.03	2.07	0	0	0	1.19	0.81	579.40	4.33	15.68	1,940
151000332	15	Cameron County Precinct No.2 - CCP2 Ditch Reclaim D	Cameron County	Project 22 in Cam Co Digest Request Forms - Reclaiming/Repairing/Regrading of ditch SW of rancho Viejo.	Project planning	147,457	43	2.89	4.33	116	3.3	4.93	0	0	0	0	0	0	5	2.33	1.17	2.01	1.16	380.96	4.07	15.66	1,941
121000088	12	Damage Center 20-Matinez Creek	San Antonio	Lateral detention is a viable alternative for this project and could be used in conjunction with VPA, and reduced channelization, to meet the desired outcomes of multi-use functionality and flood reduction.	Project planning	22,251,474	202	3.89	5.84	593	4.3	6.40	0	0	0	0	0	0	26	3.99	2.00	2.73	1.39	0	0	15.62	1,942
101000220	10	Water, Spring, & Cedar Street Drainage Improvements (DMP GB-03)	Bastrop	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	1,800,000	132	3.61	5.42	1188	4.7	7.03	1	0.67	1.68	0	0	0	0	0	0	1.71	1.05	0.73	0.42	15.59	1,943
061000270	6	City of Panorama Village Master Drainage Plan	Panorama Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	160,000	77	3.27	4.90	126	3.3	5.00	7	2.01	5.03	0	0	0	0	0	0	0.66	0.50	0.23	0.14	15.57	1,944
151000304	15	Hidalgo County Precinct 1 - Floodway Pumps	Hidalgo County	Repair and replacement of pumps along the floodway at Mile 12 1/3, Mile 14 1/2 and Mile 17 1/2	Project planning	11,312	40	2.84	4.26	121	3.3	4.96	0	0	0	0	0	0	0	0	0	2.96	1.45	1427.56	4.88	15.56	1,945
081001009	8	Thompsons Branch & SH 6 Drainage Improvements	Bryan	Study to design several improvements to mitigate flooding at the crossing.	Project planning	137,000	7	1.71	2.57	3	1.1	1.64	0	0	0	3	2.14	4.27	6	2.52	1.26	2.01	1.17	978.34	4.65	15.56	1,946
081001022	8	Thompson Creek Floodplain Study from RELLIS to HW 6 to Establish Floodway	Bryan	Study of Thompson Creek to determine flood risk.	Watershed planning	164,000	7	1.71	2.57	3	1.1	1.64	0	0	0	3	2.14	4.27	6	2.52	1.26	2.01	1.17	978.34	4.65	15.56	1,946
151000313	15	Sullivan City - US 83 - FM 886 Drainage Improvements	Sullivan City	Improve drainage South of US 83 and West of FM 886, add storm drain through US 83 and curb and gutter for remaining	Project planning	55,706	91	3.37	5.06	325	3.9	5.86	0	0	0	0	0	0	0	0	0	2.70	1.38	97.85	3.24	15.54	1,948

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000086	12	Damage Center 14- Airport Trib	San Antonio	There are four bridges within this Damage Center, of which all overtop during the 1% AC storm event. Voluntary Acquisition of 79 residential propoerties that are compromised	Project planning	250,000	85	3.33	4.99	553	4.2	6.34	1	0.67	1.68	0	0	0	11	3.12	1.56	1.50	0.96	0	0	15.53	1,949
151000352	15	Cameron County Drainage District No.4 - FM 510 Crossing Improvements	Cameron County Drainage District 4	Improve flow capacity at crossings on FM 510 to prevent stacking	Project planning	882,090	42	2.87	4.31	92	3.1	4.72	0	0	0	0	0	0	11	3.12	1.56	0.94	0.67	498.50	4.24	15.49	1,950
021000042	2	City of Paris Big Sandy Cr Tribs 4 and 6 Improvements	City of Paris	Re-grade channel downstream of Clarksville Ave. and establish concrete channel upstream of Clarksville Ave. Channel improvements in the upper portion of Tributary 4. Tributary 6 channel improvements and culvert replacement.	Project planning	253,000	202	3.89	5.84	677	4.3	6.52	1	0.67	1.68	0	0	0	0	0	0	2.93	1.45	0	0	15.48	1,951
101000241	10	Louise Drainage Master Plan	Wharton County	Drainage Master Plan to identify flood risk and potential mitigation actionsincluding chnanel, storm drain, and streets	Project planning	150,000	50	2.99	4.48	63	2.9	4.37	0	0	0	0	0	0	0	0	0	5.15	1.88	1123.17	4.73	15.47	1,952
121000165	12	Cibolo Creek Spill Study	Guadalupe County	A 2D hydraulic study flood study is needed to evaluate spill flow from the creek. The spill starts 2,500ft upstream of the Bexar Bowling Way Crossing to 2,000ft north of Ullrich Road Crossing.	Project planning	250,000	43	2.89	4.33	54	2.8	4.23	0	0	0	1	1.03	2.07	3	1.84	0.92	1.16	0.80	79.42	3.11	15.46	1,953
151000365	15	Cameron County Precinct No.4 - NF-13 Capacity and Structure Improvements (North FM 800)	Cameron County	Improve existing drainage ditch NF-13 and existing culverts on North FM 800	Project planning	1,262,651	9	1.88	2.81	38	2.6	3.92	2	1.10	2.75	0	0	0	4	2.12	1.06	0.77	0.57	560.42	4.31	15.41	1,954
121000065	12	Damage Center 2- Martinez Creek	San Antonio	The downstream culvert system creates a backwater which will continue to affect properties near the inlet of that structure. Improved channelization and culvert/bridge replacement and voluntary property acquisition	Project planning	12,459,064	165	3.76	5.64	491	4.2	6.23	0	0	0	0	0	0	25	3.95	1.98	3.40	1.56	0	0	15.40	1,955
131000055	13	City of Freer Burch Street Culvert Upgrade and Channel Regradation	Freer, Duval	Increase the capacity on Burch Street by adding a second 36-inch culvert under the road. - Increase culvert capacity on Burch St and other undersized crossings - Channel improvements along the main earthen channel "	Project planning	25,000	124	3.57	5.36	175	3.5	5.30	0	0	0	0	0	0	21	3.77	1.89	1.91	1.13	8.34	1.73	15.40	1,956
131000083	13	Fulton Drainage Master Plan	Fulton	New stormwater master plan that includes a capital improvement plan	Watershed planning	188,000	83	3.31	4.97	126	3.3	5.00	1	0.67	1.68	0	0	0	34	4.26	2.13	3.61	1.60	0.01	0.00	15.39	1,957
111000017	11	City of Garden Ridge Drainage Improvements Project Planning	Garden Ridge	Project planning to complete final phase of drainage infrastructure upgrades.	Project planning	100,000	11	2.01	3.01	20	2.2	3.34	0	0	0	3	2.14	4.27	0	0	0	1.32	0.88	272.25	3.86	15.36	1,958
021000056	2	Cooke County Acquisition of Repetitive Loss and Damaged Properties	Cooke County	Purchase and removal of damaged homes that are located in the floodplain and buy-out of repetitive flood loss properties in Region 2	Other	250,000	34	2.74	4.10	26	2.4	3.57	0	0	0	0	0	0	0	0	0	12.70	2.60	1958.07	5.08	15.36	1,959
101000085	10	Create Emergency Evacuation Plan	Point Venture	Create emergency evacuation plan	Preparedness	25,000	167	3.77	5.65	403	4.0	6.05	0	0	0	0	0	0	0	0	0	0.65	0.49	80.26	3.12	15.31	1,960
151000201	15	Mll3b Elm	Mission	4105 feet of storm sewer upgrade	Project planning	159,661	197	3.87	5.81	611	4.3	6.43	0	0	0	0	0	0	0	0	0	3.41	1.56	5.49	1.47	15.28	1,961
151000049	15	Dillon and Roosevelt	Hidalgo County Drainage District 1	Local Drainage Improvements-Just North of E Roosevelt Rd	Project planning	217,000	86	3.34	5.01	173	3.5	5.29	0	0	0	0	0	0	0	0	0	1.70	1.05	301.07	3.93	15.27	1,962
031000466	3	Arlington Johnson Creek - Pioneer Parkway and Collins Street Buyout at Johnson Creek	Arlington	Property acquisition of ninety-five (95) structures along Collins Street and Division Street. No channel improvements planned.	Project planning	250,000	25	2.54	3.80	2470	5.1	7.69	0	0	0	2	1.69	3.39	0	0	0	0.47	0.37	0	0	15.25	1,963
151000175	15	ML06m & ML06n Tulip/Glasscock	Mission	11767 feet of storm sewer upgrade and an extension of storm sewer of 1880 feet.	Project planning	490,714	364	4.27	6.41	985	4.6	6.86	0	0	0	0	0	0	0	0	0	5.48	1.93	0.04	0.03	15.23	1,964
031000260	3	North Colony Blvd. at Powers Street	The Colony	Streams SC-1A Drainage Study and storm drain upgrades to deal with flooding	Project planning	100,000	7	1.71	2.57	7717	5.8	8.72	1	0.67	1.68	0	0	0	0	0	0	0.45	0.35	10.24	1.85	15.18	1,965
151000321	15	Cameron County Precinct No.1 - CCP1 Ditch Reclaim A	Cameron County	Reclaim/Repair/ Regrade ditch between Florida/Dockberry and Brownsville/FM 511	Project planning	127,274	29	2.63	3.95	96	3.2	4.75	0	0	0	0	0	0	4	2.12	1.06	2.32	1.27	426.48	4.14	15.17	1,966
041000066	4	Cox Creek Culvert Improvement Feasibility Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	29	2.63	3.95	97	3.2	4.76	0	0	0	0	0	0	0	0	0	46.96	3.65	46.96	2.79	15.15	1,967
041000067	4	Cox Creek Drainage Basin Feasibility Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	29	2.63	3.95	97	3.2	4.76	0	0	0	0	0	0	0	0	0	46.96	3.65	46.96	2.79	15.15	1,967
151000174	15	ML06l Sundrop	Mission	408 feet of storm sewer upgrade and an extension of storm sewer of 382 feet. New construction of a 20 acre-feet basin	Project planning	39,460	309	4.17	6.25	1177	4.7	7.02	0	0	0	0	0	0	0	0	0	3.20	1.51	0.63	0.36	15.14	1,969
081001285	8	Oakwood Channel & Bridge Improvements	Waco	Widening of Primrose Creek to increase flow capacity, as well as removal and replacement of several crossings along the channel improvements.	Project planning	300,000	39	2.82	4.24	505	4.2	6.26	0	0	0	0	0	0	0	0	0	6.40	2.06	33.50	2.58	15.13	1,970
151000133	15	San Ygnacio MUD	San Ygnacio MUD	Develop Flood risk maps for San Ygnacio MUD and develop CIP	Watershed planning	250,000	118	3.54	5.31	261	3.8	5.66	1	0.67	1.68	0	0	0	0	0	0	3.41	1.56	1.99	0.88	15.09	1,971
081001066	8	Hope's Creek Flood Study	College Station	Study to determine flood risk across the watershed.	Watershed planning	158,000	37	2.79	4.19	62	2.9	4.36	0	0	0	0	0	0	5	2.33	1.17	1.34	0.89	702.50	4.45	15.04	1,972
151000017	15	Laguna Vista Action #3	Laguna Vista	Drainage improvements Basin "D": Install upgraded drainage system west side of State Highway 510 for 80 acre residential area. Current system is inadequate to carry storm water runoff.	Project planning	924,000	59	3.09	4.64	89	3.1	4.69	0	0	0	0	0	0	41	4.45	2.22	2.54	1.34	15.81	2.12	15.01	1,973
081000951	8	Brushy Creek Tributaries Study	Thrall	Perform a detailed study of the Brushy Creek tributaries in the City of Thrall.	Watershed planning	88,000	11	2.01	3.01	10	1.8	2.71	0	0	0	1	1.03	2.07	8	2.80	1.40	1.75	1.07	1105.45	4.72	14.98	1,974
081001145	8	Dam 18 Rehabilitation	Upper Brushy Creek WCID	Improvements to ensure dam provides necessary protection against flood risk.	Project planning	500,000	11	2.01	3.01	10	1.8	2.71	0	0	0	1	1.03	2.07	8	2.80	1.40	1.75	1.07	1105.45	4.72	14.98	1,974
101000069	10	Llano River Erosion	Junction	Develop/implement projects to prevent erosion	Project planning	200,000	130	3.61	5.41	192	3.6	5.38	0	0	0	0	0	0	0	0	0	0.04	0.03	426.63	4.14	14.96	1,976
081000958	8	Dam 14 Rehabilitation	Upper Brushy Creek WCID	Study to design erosion repairs for the downstream slope, mitigation for the longtudinal cracking on the dam crest, and auxiliary spillway improvements.	Project planning	148,000	28	2.61	3.91	91	3.1	4.71	0	0	0	0	0	0	12	3.21	1.61	0.87	0.63	399.39	4.10	14.96	1,977
081000960	8	A13	Upper Brushy Creek WCID	Addition of in-line detention between Dam 15 and 16.	Project planning	250,000	28	2.61	3.91	91	3.1	4.71	0	0	0	0	0	0	12	3.21	1.61	0.87	0.63	399.39	4.10	14.96	1,977
151000300	15	Hidalgo and Cameron Counties Irrigation District No. 9 - New Auxiliary Canal to USIBWC Main Floodway	Hidalgo & Cameron Counties Irrigation District 9	Proposed auxiliary canal from USIBWC Main Floodway to HCCIDNo.9 irrigation line	Project planning	1,117,743	37	2.79	4.19	92	3.1	4.72	0	0	0	0	0	0	0	0	0	2.82	1.42	953.80	4.63	14.95	1,979
131000135	13	Purchase Land Behind Aransas Pass Levees	Aransas Pass	Purchase land behind levees to prevent people from building in a floodplain area. This will allow the City to use this land for preventing further flooding.	Other	82,000	89	3.36	5.04	318	3.9	5.84	0	0	0	0	0	0	29	4.10	2.05	4.92	1.85	0.29	0.17	14.95	1,980
031000366	3	Stream 7C2 Channel Improvements	Irving	Evaluation of possible culvert and channel improvements beneath Loop 12 to alleviate flooding along stream 7C2	Project planning	2,685,000	21	2.42	3.64	174	3.5	5.29	0	0	0	5	2.72	5.43	0	0	0	0.62	0.47	0.14	0.08	14.91	1,981
131000220	13	Co-E: South Sinton Drainage Improvements	San Patricio County	Improvement of existing swale immediately S of CR82A and existing channel running N (approximately 0.5 miles E of CR 2567). Project will include replacement of culverts under CR 2567 and CR 82A.	Project planning	227,000	35	2.75	4.13	27	2.4	3.61	2	1.10	2.75	0	0	0	0	0	0	1.29	0.86	165.24	3.56	14.91	1,982
061000285	6	City of Splendora Master Drainage Plan	Splendora	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	210,000	231	3.98	5.97	329	3.9	5.87	0	0	0	0	0	0	0	0	0	8.37	2.27	1.68	0.79	14.90	1,983
151000084	15	Fort Clark MUD	Fort Clark MUD	Develop Flood risk maps for Fort Clark MUD and develop CIP	Watershed planning	250,000	88	3.35	5.03	125	3.3	4.99	2	1.10	2.75	0	0	0	0	0	0	0	0	15.30	2.10	14.87	1,984

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
101000088	10	Review and Update Floodplain Management Plan	Volente	Review and update floodplain management plan; review annually	Preparedness	25,000	150	3.70	5.55	279	3.8	5.72	0	0	0	0	0	0	0	0	0	0.20	0.16	135.68	3.44	14.86	1,985
101000089	10	Develop an Emergency Operations and Evacuation Plan	Volente	Develop an Emergency Operations and Evacuation Plan	Preparedness	25,000	150	3.70	5.55	279	3.8	5.72	0	0	0	0	0	0	0	0	0	0.20	0.16	135.68	3.44	14.86	1,985
151000195	15	MI09 Los Indios	Mission	7248 feet of storm sewer upgrade and an extension of storm sewer of 1465 feet.	Project planning	307,643	77	3.27	4.90	107	3.2	4.85	0	0	0	0	0	0	0	0	0	2.02	1.17	308.62	3.94	14.86	1,987
061000201	6	Little Cypress Creek - L109-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for L109-00-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	200,000	178	3.81	5.71	419	4.1	6.09	0	0	0	0	0	0	0	0	0	1.74	1.06	12.91	2.00	14.86	1,988
131000139	13	Drainage Improvements - FM 1069 to McCampbell Slough	Ingleside	Easement Acquisition and the design and construction of 10,000 LF of drainage channels along FM 1069 and from Morgan Lane and Mooney Lane to McCampbell Slough. Addresses the flood prone Mooney-Vickery area.	Project planning	113,000	16	2.25	3.37	22	2.3	3.42	4	1.59	3.98	0	0	0	3	1.84	0.92	3.01	1.47	7.49	1.66	14.83	1,989
131000204	13	Risk Area 18 - FM 892	Robstown	FM 892 becomes inundated and causes mobility issues.	Project planning	150,000	3	1.18	1.77	3	1.1	1.64	13	2.48	6.20	0	0	0	0	0	0	1.32	0.88	579.60	4.33	14.82	1,990
151000369	15	Cameron County Precinct No.4/Camreon County Drainage District No.5 - Santa Rosa Capacity & Structure Improvements	Cameron County Drainage District 5	Improve / replace existing drainage structures to increase capacity.	Project planning	794,099	30	2.65	3.98	59	2.9	4.31	0	0	0	0	0	0	8	2.80	1.40	1.28	0.86	522.43	4.26	14.82	1,991
061000274	6	City of Piney Point Village Master Drainage Plan	Piney Point Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	129	3.60	5.40	765	4.4	6.63	1	0.67	1.68	0	0	0	0	0	0	1.28	0.86	0.41	0.24	14.81	1,992
101000160	10	Delaware Creek Flood Study	Brownwood	Flood-prone problem area in need of flood study, indentified on sponsor outreach call. Lift station here also in need of a generator	Watershed planning	150,000	54	3.04	4.55	74	3.0	4.52	0	0	0	0	0	0	0	0	0	2.21	1.23	760.25	4.49	14.80	1,993
011000161	1	Playa 4 Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP	Watershed planning	431,000	87	3.34	5.02	280	3.8	5.72	0	0	0	0	0	0	0	0	0	2.12	1.20	51.51	2.84	14.79	1,994
011000142	1	Playa No. 4 Outfall (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to Playa No. 4 Outfall. Project identified from 2019 Amarillo DMP.	Project planning	250,000	87	3.34	5.02	280	3.8	5.72	0	0	0	0	0	0	0	0	0	2.12	1.20	51.51	2.84	14.79	1,995
101000073	10	Comanche Rancherias Subdivision	Llano	Address severe flooding created by drainage from adjacent lands to Comanche Rancherias Subdivision	Project planning	100,000	20	2.39	3.59	17	2.1	3.19	0	0	0	3	2.14	4.27	0	0	0	0	0	216.46	3.72	14.77	1,996
031000199	3	Green Hollow Drive North and South of Thornbush Drive	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $247,000	Project planning	250,000	19	2.36	3.54	5391	5.6	8.40	0	0	0	0	0	0	0	0	0	0.78	0.58	19.68	2.25	14.77	1,997
151000364	15	Cameron County Precinct No.4 - North Floodway Control Structure Improvements	Cameron County	Proposed replacement of gates and check valves into the floodway	Project planning	313,950	4	1.36	2.04	7	1.6	2.39	0	0	0	1	1.03	2.07	7	2.67	1.33	5.62	1.95	1638.74	4.97	14.75	1,998
151000178	15	ML08 Stonegate	Mission	5641 storm sewer upgrade.	Project planning	171,797	147	3.68	5.53	437	4.1	6.12	0	0	0	0	0	0	0	0	0	1.95	1.14	11.97	1.95	14.74	1,999
081000706	8	Briar Oaks Drive Storm Sewer Improvements	Bryan	Update design to account for Atlas 14 rainfall.	Project planning	50,000	76	3.26	4.89	730	4.4	6.59	1	0.67	1.68	0	0	0	7	2.67	1.33	0.30	0.24	0	0	14.72	2,000
061000489	6	City of Huntsville - Elkins Lake Watershed	Huntsville	Analysis of alternatives to determine mitigation of existing flood problems	Watershed planning	300,000	69	3.19	4.79	141	3.4	5.10	0	0	0	1	1.03	2.07	1	0.89	0.44	2.11	1.20	2.81	1.08	14.69	2,001
081000686	8	Oakridge Drive and Barak Lake	Bryan	Study to determine storm sewer needed to mitigate flooding in subdivision.	Project planning	129,000	76	3.26	4.89	730	4.4	6.59	1	0.67	1.68	0	0	0	7	2.67	1.33	0.22	0.18	0	0	14.67	2,002
131000141	13	Outfall No. 10	Port Aransas	Hazard mitigation drainage improvements for the City of Port Aransas. Outfall 10 is 3 5'x2' RCBs and extends Southwest from the Northwest end of Howard Blvd to a nearby basin.	Project planning	130,000	125	3.58	5.37	263	3.8	5.67	0	0	0	0	0	0	18	3.62	1.81	2.63	1.36	0.67	0.38	14.59	2,003
151000289	15	City of Peñitas - Peñitas Drain	Penitas	Install drainage infrastructure for various areas inside the City of Penitas	Project planning	657,276	74	3.24	4.86	155	3.5	5.19	0	0	0	0	0	0	0	0	0	1.35	0.89	190.24	3.64	14.58	2,004
151000004	15	City of Brownsville Action #16	Brownsville	Construct a weir to prevent flood risk from the overflow of canals located on the North side of Brownsville	Project planning	39,000	53	3.02	4.54	137	3.4	5.08	0	0	0	0	0	0	12	3.21	1.61	1.85	1.11	19.95	2.26	14.58	2,005
031000155	3	County Rd 2331 Re-Routing	Dayton Lake Estates	Evaluate alternatives to re-route County Rd 2331 to area not prone to flooding	Project planning	100,000	15	2.21	3.31	412	4.0	6.07	0	0	0	0	0	0	0	0	0	3.58	1.60	176.21	3.60	14.58	2,006
151000206	15	MI18a Frio	Mission	6259 feet of storm sewer upgrade	Project planning	194,594	89	3.36	5.04	253	3.8	5.63	0	0	0	0	0	0	0	0	0	4.14	1.71	17.85	2.19	14.58	2,007
121000141	12	Lucas Creek at Cinco De Mayo Dr Bridge and Channel (DC-MRD)	Medina County	Regional detention, channel improvements, and bridge/culvert upgrades, property acquisition	Project planning	150,000	94	3.39	5.09	100	3.2	4.79	0	0	0	0	0	0	13	3.29	1.65	2.55	1.34	7.99	1.70	14.57	2,008
061000119	6	Shellside Drainage Improvements	League City	Further study of proposed drainage improvements to Shellside.	Project planning	580,000	204	3.90	5.85	802	4.4	6.67	0	0	0	0	0	0	0	0	0	2.51	1.33	1.46	0.72	14.57	2,009
151000367	15	Tio Cano Lake Detention / Retention Facility	Cameron County Drainage District 6	Proposed detention / retention pond	Project planning	1,203,278	37	2.79	4.19	77	3.0	4.55	0	0	0	0	0	0	3	1.84	0.92	0.71	0.53	619.75	4.37	14.56	2,010
051000102	5	Beauxart Gardens Central Ditch Improvements	Jefferson County Drainage District 7	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of widening those channels to increase the runoff capacity – upgrading/enlarging road crossings to reduce out of bank flooding.	Project planning	50,000	226	3.96	5.95	277	3.8	5.71	0	0	0	0	0	0	0	0	0	1.74	1.06	9.66	1.82	14.54	2,011
031000186	3	Belt Line Rd at Plattner Creek	Grand Prairie	Study update - Channel Improvements; Estimated construction cost of $435,500	Project planning	250,000	4	1.36	2.04	12977	6.1	9.19	0	0	0	1	1.03	2.07	0	0	0	0.11	0.09	3.17	1.15	14.53	2,012
031000203	3	Lake Park Drive and Victoria Drive	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,094,100	Project planning	250,000	4	1.36	2.04	12977	6.1	9.19	0	0	0	1	1.03	2.07	0	0	0	0.11	0.09	3.17	1.15	14.53	2,012
031000208	3	East Marshall Drive, Santa Cruz Circle & Belt Line Rd	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,753,800	Project planning	250,000	4	1.36	2.04	12977	6.1	9.19	0	0	0	1	1.03	2.07	0	0	0	0.11	0.09	3.17	1.15	14.53	2,012
031000213	3	SW 3rd Street from Dorris North to Concrete Channel	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $4,024,800	Project planning	250,000	4	1.36	2.04	12977	6.1	9.19	0	0	0	1	1.03	2.07	0	0	0	0.11	0.09	3.17	1.15	14.53	2,012
031000227	3	Pioneer Parkway from Brady to Plattner Creek (TXDOT)	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $9,511,900	Project planning	476,000	4	1.36	2.04	12977	6.1	9.19	0	0	0	1	1.03	2.07	0	0	0	0.11	0.09	3.17	1.15	14.53	2,012
031000252	3	Plattner Creek Stabilization	Grand Prairie	from FM 1382 to City Limits of Dallas, west of SE 14th; Estimated construction cost of $252,900	Project planning	250,000	4	1.36	2.04	12977	6.1	9.19	0	0	0	1	1.03	2.07	0	0	0	0.11	0.09	3.17	1.15	14.53	2,012
151000342	15	Cameron County Precinct No.3 - FM 1847 Roadside Ditch and Drainage Improvements	Cameron County	Create roadside ditches and positive outfall/flow for FM 1847, north of FM 510	Project planning	60,513	31	2.68	4.01	66	2.9	4.42	0	0	0	0	0	0	8	2.80	1.40	0.40	0.32	619.94	4.37	14.52	2,018
031000159	3	Old 35 Sover Sampson Creek Bridge Elevation	Goodrich	Evaluate alternatives to elevate bridge on Old 35 Sover Sampson Creek	Project planning	100,000	46	2.93	4.40	280	3.8	5.72	1	0.67	1.68	0	0	0	0	0	0	0.27	0.21	28.68	2.48	14.49	2,019
031000160	3	Pennington Rd Culverts	Goodrich	Evaluate alternatives to install multiple culverts under Pennington Rd	Project planning	100,000	46	2.93	4.40	280	3.8	5.72	1	0.67	1.68	0	0	0	0	0	0	0.27	0.21	28.68	2.48	14.49	2,019
051000106	5	Lakeside Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	207	3.91	5.86	387	4.0	6.01	0	0	0	0	0	0	0	0	0	3.00	1.46	3.20	1.15	14.49	2,021
151000402	15	Willacy County Drainage District No.1- Los Mesquites Subdivision Connectivity	Willacy County Drainage District 1	Drainage infrastructure needed. Connectivity to WCDD1 needed.	Project planning	108,000	27	2.59	3.88	58	2.9	4.30	0	0	0	0	0	0	0	0	0	5.62	1.95	609.13	4.36	14.49	2,022
151000046	15	FM 1423 and Main Grove	Hidalgo County Drainage District 1	Local Drainage Improvements- Main Street, North Street	Project planning	107,000	157	3.73	5.59	507	4.2	6.26	0	0	0	0	0	0	0	0	0	1.36	0.90	7.87	1.69	14.44	2,023
031000522	3	Terrell KC2 Watershed Drainage Improvements	Terrell	Proposed drainage improvements throughout watershed including increased culvert crossings, upsized storm drains, and channel improvements to alleviate watershed flooding	Project planning	4,794,000	66	3.17	4.75	2432	5.1	7.68	0	0	0	0	0	0	0	0	0	1.54	0.98	2.51	1.01	14.42	2,024
151000181	15	ML10c Griffin	Mission	5481 feet of storm sewer upgrade, includes 1568 feet of upgrades to Trunk line segments along Taylor Rd.	Project planning	191,107	100	3.43	5.15	268	3.8	5.68	0	0	0	0	0	0	0	0	0	1.55	0.98	32.85	2.57	14.39	2,025

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
131000193	13	Risk Area 31 - Santa Maria	Corpus Christi	Runoff collects and ponds along Santa Maria Ln flooding the road and structures.	Project planning	150,000	9	1.88	2.81	13	2.0	2.95	5	1.76	4.40	0	0	0	0	0	0	0.77	0.57	188.23	3.64	14.37	2,026
151000191	15	MI06b Leal	Mission	2165 feet of storm sewer upgrade and a storm sewer extension of 2987 feet.	Project planning	151,239	268	4.07	6.11	954	4.6	6.83	0	0	0	0	0	0	0	0	0	2.84	1.42	0	0	14.36	2,027
121000108	12	Kempf Creek Watershed Study	Castroville	H&H Study. Alternatives analysis for regional flood conveyance systems. Project identification and recommendations.	Watershed planning	150,000	32	2.70	4.04	20	2.2	3.34	0	0	0	0	0	0	6	2.52	1.26	2.24	1.24	697.67	4.44	14.32	2,028
011000066	1	Palisades City Drainage Master Plan	Palisades, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis and survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	250,000	45	2.92	4.38	73	3.0	4.51	1	0.67	1.68	1	1.03	2.07	1	0.89	0.44	1.54	0.98	0.45	0.27	14.32	2,029
011000103	1	City of Palisades GIS Development	Palisades, Randall	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	45	2.92	4.38	73	3.0	4.51	1	0.67	1.68	1	1.03	2.07	1	0.89	0.44	1.54	0.98	0.45	0.27	14.32	2,029
011000180	1	Improve Creek Crossing (City of Palisades)	Palisades, Randall	Evaluate proposed improvements (upgrade bridge and increase channel flow) to current crossing to develop a cost, quantify benefits, evaluate impacts, and begin design. Project identified from survey response.	Project planning	250,000	45	2.92	4.38	73	3.0	4.51	1	0.67	1.68	1	1.03	2.07	1	0.89	0.44	1.54	0.98	0.45	0.27	14.32	2,029
021000063	2	City of Nash Floodplain Study	City of Nash	Drainage study to adopt floodplain.	Watershed planning	250,000	72	3.22	4.83	274	3.8	5.70	1	0.67	1.68	0	0	0	0	0	0	0.92	0.66	5.18	1.44	14.31	2,032
111000140	11	City of Victoria Waste Water Treatment Plant Protection Project	Victoria	Project planning for potential erosion protection and streambank stabilization project intended to protect the levee around the City's wastewater plant.	Project planning	300,000	11	2.01	3.01	13	2.0	2.95	11	2.35	5.88	0	0	0	0	0	0	0	0	26.78	2.44	14.28	2,033
011000134	1	Willow Grove Project Planning (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Excavate ~5,000 CY to El. 3564.0 to connect two playa chambers. Add new 500 GPM pumping station with 8" suction line and 6" force main. Project identified from 2019 Amarillo DMP.	Project planning	250,000	238	4.00	6.00	730	4.4	6.59	0	0	0	0	0	0	0	0	0	3.95	1.68	0	0	14.26	2,034
011000149	1	Willow Grove Project Planning - Rushmore/Hayden Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Replace four pipes with 60" or 66" pipes. Project identified from 2019 Amarillo DMP.	Project planning	250,000	238	4.00	6.00	730	4.4	6.59	0	0	0	0	0	0	0	0	0	3.95	1.68	0	0	14.26	2,034
011000169	1	Willow Grove Lake Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as very high priority in 2019 Amarillo DMP	Watershed planning	246,000	238	4.00	6.00	730	4.4	6.59	0	0	0	0	0	0	0	0	0	3.95	1.68	0	0	14.26	2,034
151000320	15	Cameron County - SouthPoint/Reid Hope King/Villa Pancho Channel / Pump Station	Cameron County	New channel to river is needed. pump station required to pump into river when levels are high	Project planning	503,671	25	2.54	3.80	59	2.9	4.31	0	0	0	0	0	0	2	1.46	0.73	5.38	1.92	143.46	3.47	14.24	2,037
061000049	6	City of Hillcrest Village Drainage Improvements	Hillcrest Village	Further study and FMP developement required to assess alternatives to restore drainage and mitigate flooding throughout the City of Hillcrest Village.	Project planning	130,000	128	3.59	5.39	333	3.9	5.88	1	0.67	1.68	0	0	0	0	0	0	2.08	1.19	0.14	0.09	14.22	2,038
061000072	6	City of Hillcrest Village Engineering Survey	Hillcrest Village	Conduct an engineering assessment to establish proper drainage for 24 Homes located in the high risk flood Zone.	Project planning	300,000	128	3.59	5.39	333	3.9	5.88	1	0.67	1.68	0	0	0	0	0	0	2.08	1.19	0.14	0.09	14.22	2,038
061000242	6	City of Hillcrest Master Drainage Plan	Hillcrest Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	130,000	128	3.59	5.39	333	3.9	5.88	1	0.67	1.68	0	0	0	0	0	0	2.08	1.19	0.14	0.09	14.22	2,038
031000369	3	Terrell KT1 Watershed Drainage Improvements	Terrell	Study to reduce watershed deficiencies by implementing drainage improvements along University Street and channel improvements along Airport Road.	Project planning	1,247,000	10	1.94	2.92	3093	5.3	7.89	0	0	0	0	0	0	0	0	0	1.01	0.71	39.61	2.68	14.20	2,041
111000051	11	City of Niederwald Engineering Review of City Hall	Niederwald	Contract a consultation from an engineer to review the new City Hall building to ensure its resiliency (modular building that holds community documents and archives).	Project planning	10,000	9	1.88	2.81	24	2.3	3.50	0	0	0	2	1.69	3.39	0	0	0	1.49	0.96	149.97	3.50	14.16	2,042
071000028	7	Swisher County Update FEMA Mapping	Swisher County	Update existing FEMA mapping	Watershed planning	920,000	5	1.50	2.25	10	1.8	2.71	0	0	0	0	0	0	0	0	0	46.63	3.65	4233.44	5.55	14.16	2,043
071000074	7	Swisher County DMP	Swisher County	Evaluate the TxDOT low water crossings county-wide	Watershed planning	500,000	5	1.50	2.25	10	1.8	2.71	0	0	0	0	0	0	0	0	0	46.63	3.65	4233.44	5.55	14.16	2,043
071000112	7	Swisher County GIS Development	Swisher County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	5	1.50	2.25	10	1.8	2.71	0	0	0	0	0	0	0	0	0	46.63	3.65	4233.44	5.55	14.16	2,043
071000194	7	Swisher County DCM	Swisher County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	5	1.50	2.25	10	1.8	2.71	0	0	0	0	0	0	0	0	0	46.63	3.65	4233.44	5.55	14.16	2,043
061000500	6	Green Acres Neighborhood Drainage Improvement Study	Webster	Evaluate existing flood risk in the Green Acres Neighborhood and identify solutions to mitigate flooding.	Project planning	100,000	127	3.59	5.38	1694	4.9	7.35	0	0	0	0	0	0	0	0	0	2.35	1.28	0.23	0.14	14.15	2,047
101000190	10	Devers Creek Regional Detention and Channel Improvements	Ganado	Coordinate with JCCWDD to develop region detention and channel widening improvements along Devers Creek.	Project planning	250,000	13	2.11	3.17	64	2.9	4.39	0	0	0	1	1.03	2.07	0	0	0	0.55	0.42	398.61	4.10	14.15	2,048
151000290	15	City of Peñitas - Peñitas Berm	Hidalgo County Drainage District 1	Berm or intake structure between irrigation canals to protect neighborhoods	Project planning	196,274	62	3.13	4.69	116	3.3	4.93	0	0	0	0	0	0	0	0	0	1.14	0.79	211.95	3.71	14.11	2,049
151000333	15	Cameron County Precinct No.2 - CCP2 Ditch Reclaim E	Cameron County	Project 22 in Cam Co Digest Request Forms - Reclaiming/Repairing/Regrading of ditch NW of Rancho Viejo Beween FM1421 and HW100	Project planning	89,870	3	1.18	1.77	34	2.5	3.82	2	1.10	2.75	0	0	0	2	1.46	0.73	0.93	0.67	633.44	4.38	14.11	2,050
111000136	11	Wilson County Voluntary Buyout Program Project Planning	Wilson County	Project planning to establish of a voluntary aquistion and demolition program, structure relocation program, and structure elevation program to address repetitive loss, floodprone properties. Keep a database of properties.	Project planning	150,000	18	2.32	3.49	33	2.5	3.79	0	0	0	0	0	0	0	0	0	3.95	1.68	2119.96	5.12	14.07	2,051
151000331	15	Cameron County Drainage District No.1 - Rancho Viejo Resaca Improvements.	Cameron County Drainage District 1	Dredge, improve Resaca drainage connectivity	Project planning	98,670	18	2.32	3.49	39	2.6	3.94	0	0	0	0	0	0	6	2.52	1.26	3.64	1.61	231.76	3.77	14.06	2,052
061000345	6	Spring Gully Watershed Planning Project- Project Phase I	Harris County Flood Control District	Develop BCA to become FMP. 108 ac-ft of detention storage. Basin A w/ 95 ac-ft of storage, 10 ft depth, inlet & outlet structures consist of 2 culverts & weir. Basin B w/ 13 ac-ft of storage, 10.5 ft depth, inlet & outlet structures of culvert & weir.	Project planning	30,000	346	4.24	6.36	588	4.3	6.39	0	0	0	0	0	0	0	0	0	2.42	1.30	0	0	14.05	2,053
061000346	6	Spring Gully Watershed Planning Project- Project Phase II	Harris County Flood Control District	Develop BCA to become a FMP. Independent of Phase I. Phase II includes addition of Stormwater Detention Basin C, with 80 acre-feet of detention storage w/ 9.5 ft depth & an inlet and outlet structure consisting of a culvert & a weir.	Project planning	30,000	346	4.24	6.36	588	4.3	6.39	0	0	0	0	0	0	0	0	0	2.42	1.30	0	0	14.05	2,053
061000347	6	Spring Gully Watershed Planning Project- Project Phase III	Harris County Flood Control District	Complete after phase 2. Relief channel intended to outfall into Stormwater Detention Basin C from Phase 2. Consists of trapezoidal 850-foot channel with cross culvert sized at Prairie Street. Upstream of the culvert crossing, the bottom width is 8 ft.	Project planning	30,000	346	4.24	6.36	588	4.3	6.39	0	0	0	0	0	0	0	0	0	2.42	1.30	0	0	14.05	2,053
071000040	7	City of Littlefield DMP	Littlefield	Evaluate City of Littlefield for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	55	3.05	4.57	66	2.9	4.42	0	0	0	0	0	0	0	0	0	12.03	2.56	29.12	2.49	14.04	2,056
031000423	3	Timber Creek Road Bridges Erosion Stabilization	Flower Mound	Study for modifications to existing erosion protection to provide stabilization to erosive conditions at the Timber Creek crossing of the Timber Creek Road bridges.	Project planning	250,000	30	2.65	3.98	4903	5.5	8.31	0	0	0	0	0	0	0	0	0	0.29	0.23	5.83	1.51	14.03	2,057
121000060	12	Helotes Creek RSWF	San Antonio	An off-channel RSWF provides approximately 3330 acres-ft oof storage.	Project planning	5,173,548	28	2.61	3.91	141	3.4	5.10	0	0	0	2	1.69	3.39	5	2.33	1.17	0.58	0.44	0	0	14.02	2,058
121000097	12	LWC# 101 Rittiman Creek @ Gibbs Sprawl	San Antonio	This proposed planning study adds culverts at the railroad crossing, upgrades the earthen channel in the park from the westerly property line to Rittiman road, and installation of larger box culverts at the Gibbs Sprawl LWC which requires Gibbs Sprawl	Project planning	3,994,965	64	3.15	4.72	181	3.6	5.33	0	0	0	1	1.03	2.07	6	2.52	1.26	0.88	0.64	0	0	14.01	2,059

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
111000163	11	Caldwell County CR 103 @ Morrison Creek	Caldwell County	Evaluate upgrades to low water crossing on Morrison Creek with consideration of influence from San Marcos River	Project planning	50,000	12	2.06	3.09	32	2.5	3.76	0	0	0	1	1.03	2.07	0	0	0	0.80	0.59	763.32	4.50	14.01	2,060
021000021	2	City of Clarksville Deleware Creek	City of Clarksville	Debris, Vegetation Removal, and Channelization	Preparedness	25,000	71	3.21	4.82	67	3.0	4.43	0	0	0	1	1.03	2.07	0	0	0	2.29	1.26	4.84	1.40	13.98	2,061
071000216	7	CRP Grass Flood Area	Hockley County	Grass Program causes road to flood	Project planning	100,000	12	2.06	3.09	24	2.3	3.50	0	0	0	0	0	0	0	0	0	15.33	2.75	927.40	4.62	13.96	2,062
151000375	15	Harlingen Irrigation District - North Combes - Connectivity	Harlingen Irrigation District	No current connectivity to drainage system. Connectivity needed.	Project planning	695,554	26	2.56	3.84	58	2.9	4.30	0	0	0	0	0	0	5	2.33	1.17	0.39	0.31	600.49	4.35	13.96	2,063
061000475	6	Westbury Area Drainage and Paving Improvements Subproject 1 (+30%) -include entire Westbury	Houston	Project for design and construction of storm drainage and paving improvements including a surface detention basin in the Westbury Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	104	3.46	5.19	469	4.1	6.19	1	0.67	1.68	0	0	0	0	0	0	1.38	0.91	0	0	13.96	2,064
071000156	7	City of Wolfforth Higher Standards Program	Wolfforth	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulativ	Other	100,000	54	3.04	4.55	100	3.2	4.79	0	0	0	0	0	0	0	0	0	4.52	1.78	50.72	2.83	13.96	2,065
031000050	3	City of Lavon DMP	Lavon	Evaluate City and identify future projects.	Watershed planning	250,000	4	1.36	2.04	931	4.5	6.81	0	0	0	1	1.03	2.07	0	0	0	0.66	0.50	31.52	2.54	13.96	2,066
151000171	15	ML06i Bryan	Mission	6976 feet of storm sewer upgrade and an extension of storm sewer of 3234 feet	Project planning	402,333	149	3.69	5.54	622	4.3	6.44	0	0	0	0	0	0	0	0	0	5.57	1.95	0	0	13.93	2,067
101000153	10	City of Buda Garlic Creek Culvert	Buda	Culvert improvements to Garlic Creek RM 967, TxDOT upgraded the road but chose not to touch the culvert, Needs to be upsized. Current roadway inundation just north of creekside by Hailey's Way	Project planning	100,000	16	2.25	3.37	17	2.1	3.19	0	0	0	2	1.69	3.39	0	0	0	0.38	0.30	195.20	3.66	13.91	2,068
121000091	12	Damage Center 34-State Hospital Creek	San Antonio	the channelization project will have to be constructed to remove all structures from the 1% annual chance storm event floodplain	Project planning	2,005,668	54	3.04	4.55	139	3.4	5.09	0	0	0	1	1.03	2.07	8	2.80	1.40	1.14	0.79	0	0	13.90	2,069
081001153	8	Hwy 6 Crossing & DS Channel Improvements	College Station	Update design to account for Atlas 14 rainfall.	Project planning	100,000	26	2.56	3.84	86	3.1	4.65	1	0.67	1.68	0	0	0	2	1.46	0.73	1.65	1.03	12.16	1.96	13.89	2,070
091000129	9	Midland Draw Channel Improvements	Andrews County	The proposed channel has a 250-foot top width for the entire length of the reach. There are three existing crossings, two to remain, one to be expanded, and one new crossing. The first crossing, at Loop 349, is to remain. The second crossing, at the futu®	Project planning	845,000	37	2.79	4.19	138	3.4	5.08	0	0	0	1	1.03	2.07	0	0	0	1.90	1.12	4.60	1.37	13.83	2,071
131000152	13	San Patricio County Hazard Mitigation Action Plan - City of Mathis, Action #9	Mathis	Equip manholes with water tight covers/inflow guards; Raise sewage lift stations electrical systems above BFE; Floodproof sewage treatment plants in flood hazard areas	Project planning	477,000	54	3.04	4.55	53	2.8	4.22	0	0	0	0	0	0	34	4.26	2.13	1.06	0.74	16.65	2.15	13.80	2,072
061000472	6	Freeway Manor North Area Drainage and Paving Improvements FMN, FMS, GWT and C106-10	Houston	Project for design and construction of storm drainage and paving improvements in the Freeway Manor North Area to mitigate structural flooding risk. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	205	3.90	5.85	715	4.4	6.57	0	0	0	0	0	0	0	0	0	2.67	1.37	0	0	13.79	2,073
031000234	3	South Great Southwest Parkway from Warrior to Kirby Creek Concrete Channel North of Mayfield	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,411,100	Project planning	250,000	1	0.57	0.86	11203	6.0	9.06	0	0	0	1	1.03	2.07	0	0	0	0.19	0.15	7.38	1.65	13.79	2,074
031000242	3	Kirby Creek Channel Lining Replacements	Grand Prairie	from 800 feet east of Great Southwest to West of Waterwood; just north of Kildeer cul-de-sac and from Waterwood East to End of Channel Lining just east of Greenvista; Estimated construction cost of $1,267,200	Project planning	250,000	1	0.57	0.86	11203	6.0	9.06	0	0	0	1	1.03	2.07	0	0	0	0.19	0.15	7.38	1.65	13.79	2,074
151000336	15	City of Indian Lake - Indian Lake Resaca Dredging	Indian Lake	Dredging of Resaca to increase detention	Project planning	71,760	55	3.05	4.57	134	3.4	5.06	0	0	0	0	0	0	0	0	0	0.92	0.66	147.06	3.49	13.77	2,076
031000171	3	Turkey Creek Trail Bridge	Bridgeport	Evaluate alternatives to construct Bridge at Low-Water Crossing on Turkey Creek Trail.	Project planning	250,000	0	0	0	4544	5.5	8.24	1	0.67	1.68	1	1.03	2.07	0	0	0	4.49	1.78	0	0	13.76	2,077
071000036	7	City of Anson DMP	Anson	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	53	3.02	4.54	349	3.9	5.92	0	0	0	0	0	0	0	0	0	2.55	1.34	11.92	1.95	13.74	2,078
061000070	6	Cowart Creek Segment 16	Pearland	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	40,000	150	3.70	5.55	278	3.8	5.72	0	0	0	0	0	0	0	0	0	1.11	0.77	7.82	1.69	13.72	2,079
151000028	15	Port Isabel Action #22	Port Isabel	Build breakwater or similar shoreline protection for harbor	Project planning	1,109,000	79	3.28	4.92	157	3.5	5.20	0	0	0	0	0	0	48	4.61	2.30	1.95	1.14	0.22	0.14	13.70	2,080
101000078	10	Hooten Holler in Richland Springs	San Saba County	Develop engineering sutdy of 'Hooten Holler'	Project planning	100,000	43	2.89	4.33	34	2.5	3.82	0	0	0	0	0	0	0	0	0	1.87	1.11	695.00	4.44	13.70	2,081
031000520	3	Village Creek Clubhouse Dr Improvements – Culverts	Burleson	Study to assess the efficacy of alleviating overtopping of Clubhouse Dr by raising the roadway elevation and either improving culverts or replacing them with a 375' bridge.	Project planning	1,065,000	33	2.72	4.07	987	4.6	6.86	0	0	0	0	0	0	0	0	0	0.76	0.56	17.53	2.18	13.68	2,082
061000196	6	White Oak Bayou - General Drainage Improvements along E105-00-00	Houston	Further study of channel improvements from partnership project to restore channel conveyanve including Atlas 14 rainfalls.	Project planning	120,000	160	3.74	5.61	411	4.0	6.07	0	0	0	0	0	0	0	0	0	3.44	1.57	0.68	0.39	13.64	2,083
061000247	6	City of Hunters Creek Village Master Drainage Plan	Hunters Creek Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	108	3.48	5.23	345	3.9	5.91	1	0.67	1.68	0	0	0	0	0	0	1.17	0.80	0	0	13.62	2,084
121000105	12	Flat Creek Study	Castroville	Update details on both current and expected ultimate watershed build-oit conditions, Identify at-risk infrastructure and detail oppurtunities for flood reduction, and provide mitigation plans with regard to risk due to delevopment.	Watershed planning	500,000	44	2.90	4.35	29	2.4	3.67	0	0	0	0	0	0	3	1.84	0.92	1.07	0.75	298.28	3.92	13.61	2,085
061000294	6	City of Tomball Master Drainage Plan	Tomball	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	350,000	47	2.95	4.42	457	4.1	6.17	0	0	0	0	0	0	0	0	0	3.72	1.63	4.60	1.37	13.58	2,086
061000373	6	City of Tomball Drainage Improvements	Tomball	Study to the the drainage project for the City of Tomball is comprised of building storm sewer systems and channel conveyance to enable flood waters to be removed from portions of the city bounded by Holderrieth Road, SH 249, UPRR, and FM 2920.	Project planning	30,000	47	2.95	4.42	457	4.1	6.17	0	0	0	0	0	0	0	0	0	3.72	1.63	4.60	1.37	13.58	2,086
041000104	4	Upper Turkey Creek Neighborhood Flooding	Kilgore	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	42	2.87	4.31	108	3.2	4.86	0	0	0	2	1.69	3.39	2	1.46	0.73	0.20	0.16	0.20	0.12	13.57	2,088
151000391	15	Willacy County Precinct No.1 - Various Drainage Improvements in Ranchette Estates	Willacy County	Regrade swale, install RCP w/ S.E.T. Culverts, and clean/maintain R.E. Main Drain Ditch to improve drainage and maintain roadway access.	Project planning	110,625	28	2.61	3.91	98	3.2	4.77	0	0	0	0	0	0	0	0	0	0.95	0.68	465.45	4.19	13.56	2,089
031000201	3	East Pioneer Parkway & SE 14th St	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $3,742,700	Project planning	250,000	3	1.18	1.77	9523	5.9	8.91	0	0	0	0	0	0	0	0	0	0.54	0.41	27.62	2.46	13.56	2,090
031000220	3	East Marshall Drive & Avenue C, East Coral & SE 14th Street and in SE 14th Street & Bogarte Drive	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $6,399,100	Project planning	320,000	3	1.18	1.77	9523	5.9	8.91	0	0	0	0	0	0	0	0	0	0.54	0.41	27.62	2.46	13.56	2,090
031000221	3	Lakeview Drive & SE 14th Street	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $3,570,700	Project planning	250,000	3	1.18	1.77	9523	5.9	8.91	0	0	0	0	0	0	0	0	0	0.54	0.41	27.62	2.46	13.56	2,090
031000231	3	East Grand Prairie Rd & 14th Street from Austin to Ditch South of Skyline	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $8,549,300	Project planning	427,000	3	1.18	1.77	9523	5.9	8.91	0	0	0	0	0	0	0	0	0	0.54	0.41	27.62	2.46	13.56	2,090

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000058	12	Culebra Creek Tributary A at Tezel Road Enhanced Conveyance	San Antonio	Increasing the flow area by widening the channel and increasing its side slope	Project planning	3,729,220	99	3.43	5.14	344	3.9	5.91	0	0	0	0	0	0	19	3.67	1.84	0.89	0.64	0	0	13.53	2,094
051000076	5	City of Lumberton Elevate Taft Road and Brushy Creek Subdivision	Lumberton	H&H Study to identify alternatives for elevating Taft Road and Brushy Creek Subdivision	Project planning	75,000	130	3.61	5.41	357	4.0	5.94	0	0	0	0	0	0	0	0	0	1.96	1.15	2.41	0.99	13.49	2,095
061000217	6	Barker - T101-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for T101-00-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	500,000	41	2.86	4.29	412	4.0	6.07	0	0	0	0	0	0	0	0	0	2.59	1.35	8.62	1.75	13.46	2,096
061000350	6	Galveston Bay Watershed Plan- PA04 (S+4) Crossing Improvements	Harris County Flood Control District	Recommended alternative directly addresses need for improved channel conveyance by increasing the size of the crossings at El Jardin Dr and Youpon Dr. to 8'x5' box culverts.	Project planning	30,000	190	3.85	5.78	390	4.0	6.02	0	0	0	0	0	0	0	0	0	2.77	1.40	0.42	0.25	13.45	2,097
061000299	6	City of Woodbranch Master Drainage Plan	Woodbranch Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	197	3.87	5.81	398	4.0	6.04	0	0	0	0	0	0	0	0	0	3.54	1.59	0	0	13.44	2,098
031000473	3	Point Barrow Gully Improvements Study	Chambers County	Study to provide channel modifications to Point Barrow Gully to improve conveyance from downstream of McCollum Park Road to the outfall into Trinity Bay	Project planning	100,000	45	2.92	4.38	399	4.0	6.04	0	0	0	0	0	0	0	0	0	0.11	0.09	57.92	2.92	13.43	2,099
081000945	8	Improve Chandler Branch Tributary	Round Rock	Channel improvements from Eagles Nest St to Settlement Dr.	Project planning	202,000	21	2.42	3.64	38	2.6	3.92	0	0	0	1	1.03	2.07	13	3.29	1.65	0.41	0.32	9.83	1.83	13.42	2,100
051000063	5	Shawnee Creek Concretee Canal	Huntington	Evaluate project to quantify benefits, evaluate impacts, and begin design for a concrete canal for Shawnee Creek from Louisiana Street to 6th Street.	Project planning	390,000	17	2.29	3.43	22	2.3	3.42	0	0	0	2	1.69	3.39	2	1.46	0.73	1.59	1.00	5.20	1.44	13.42	2,101
151000387	15	City of Los Indios - Los Indios-Del Rio East Subdivision Improvements	Los Indios	Infrastructure to include the improvement of storm water drainage.	Project planning	147,457	24	2.51	3.76	53	2.8	4.22	0	0	0	0	0	0	1	0.89	0.44	0.92	0.66	574.38	4.32	13.41	2,102
061000461	6	Rush Creek Lake - Lake Conroe Estates Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	79	3.28	4.92	129	3.3	5.02	0	0	0	1	1.03	2.07	1	0.89	0.44	0.38	0.30	1.18	0.62	13.37	2,103
121000037	12	Update flood information and policies	Falls City	Identify and compile information on flood hazard areas and residential property in flood zones, establish and implement a volunteer acquisition / elevation program based on FEMA protocol in association with SARA studies, and review permitting process bas	Project planning	100,000	38	2.81	4.21	53	2.8	4.22	0	0	0	0	0	0	15	3.44	1.72	0.95	0.68	31.62	2.54	13.37	2,104
131000195	13	Risk Area 23 - Tierra Grande & Crossroads Estates	Corpus Christi	Local flooding and ponding due to current terrain and development.	Project planning	100,000	30	2.65	3.98	31	2.5	3.73	2	1.10	2.75	0	0	0	0	0	0	0.59	0.45	27.61	2.46	13.37	2,105
071000041	7	City of Olton DMP	Olton	Evaluate City of Olton for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	63	3.14	4.70	71	3.0	4.48	0	0	0	0	0	0	0	0	0	6.79	2.10	14.40	2.06	13.35	2,106
121000032	12	Inventory of residences in floodplain	Falls City	Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquistion.	Project planning	50,000	37	2.79	4.19	53	2.8	4.22	0	0	0	0	0	0	15	3.44	1.72	0.95	0.68	31.62	2.54	13.35	2,107
071000038	7	City of Earth DMP	Earth	Evaluate City of Earth for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	65	3.16	4.73	54	2.8	4.23	0	0	0	0	0	0	0	0	0	3.39	1.56	48.80	2.81	13.33	2,108
131000058	13	Realitos Drainage Improvements	Duval County	Improvements to surface and subsurface infrastructure of Realitos Drainage System	Project planning	150,000	66	3.17	4.75	93	3.2	4.73	0	0	0	0	0	0	13	3.29	1.65	2.25	1.25	2.26	0.95	13.32	2,109
131000070	13	Downtown Rockport Drainage Study	Rockport	Design and conduct an engineering study to address flooding in downtown Rockport	Project planning	1,090,000	57	3.07	4.61	195	3.6	5.39	0	0	0	0	0	0	21	3.77	1.89	2.85	1.42	0	0	13.31	2,110
141000019	14	Plan for mitigation of drainage controls where ground water reduces storm water conveyance capacity in the Montoya Drain	El Paso Water, EPCWID1	Perform H&H modeling to develop a FMP for increasing the capacity of Montoya Drain through measures to control groundwater intrusion into the drain.	Project planning	130,000	63	3.14	4.70	245	3.7	5.60	0	0	0	0	0	0	0	0	0	1.80	1.09	10.88	1.89	13.28	2,111
051000134	5	Lakeview Additional Pumping	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	216	3.93	5.90	479	4.1	6.21	0	0	0	0	0	0	0	0	0	2.03	1.17	0	0	13.28	2,112
151000338	15	City of Laguna Vista - Laguna Vista Drain Relocation	Laguna Vista	Relocate outfall or remove Black Mangroves (Endangered species)	Project planning	300,000	34	2.74	4.10	50	2.8	4.16	0	0	0	0	0	0	24	3.91	1.95	1.82	1.09	12.22	1.96	13.28	2,113
111000162	11	Caldwell County Dickerson Creek Near CR 111	Caldwell County	Evaluate projects to mitigate residential flooding on Dickerson Creek with consideration of influence from San Marcos River	Project planning	50,000	12	2.06	3.09	25	2.4	3.54	0	0	0	0	0	0	0	0	0	4.43	1.76	1393.88	4.87	13.26	2,114
111000159	11	Caldwell County McMahan VFD @ Tenney Creek	Caldwell County	Evaluate projects to mitigate flooding at critical facility	Project planning	50,000	11	2.01	3.01	16	2.1	3.13	1	0.67	1.68	1	1.03	2.07	0	0	0	0.32	0.25	79.85	3.11	13.26	2,115
031000482	3	Floodplain Mapping Updates of Graham Branch Tributary 9	Flower Mound	Floodplain mapping of Graham Branch Tributary 9 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	56,000	3	1.18	1.77	1	0.5	0.80	12	2.42	6.05	0	0	0	0	0	0	5.01	1.86	45.70	2.77	13.25	2,116
131000164	13	Aransas County Drainage Improvements - Southeast 35 - Project 1	Aransas County	Aransas County Texas Multi-Jurisdicional Hazard Mitigation Action Plan - Action #26: Precinct 1/1A - Southeast 35 - Project 1. Reduce flood risk to buildings and infrastructure by making improvements to the County drainage system	Project planning	40,000	68	3.18	4.78	54	2.8	4.23	0	0	0	0	0	0	26	3.99	2.00	2.78	1.41	1.80	0.83	13.24	2,117
131000133	13	Webb County Becerra Creek Headwater Flood Study	Webb County	Flood study to define existing flood risk and potential flood risk reduction projects for subdivisions located in the vicinity of Highway 59.	Watershed planning	120,000	97	3.42	5.12	35	2.6	3.84	0	0	0	0	0	0	15	3.44	1.72	8.50	2.28	0.46	0.27	13.24	2,118
061000258	6	City of Liverpool Master Drainage Plan	Liverpool	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	160,000	130	3.61	5.41	103	3.2	4.82	0	0	0	0	0	0	0	0	0	3.33	1.54	5.30	1.45	13.22	2,119
151000002	15	Bayview Action #6	Bayview	Upgrade three roadway bridges and one footbridge including structural improvements and stabilization to reduce damages caused by flooding and high winds	Project planning	370,000	30	2.65	3.98	72	3.0	4.49	0	0	0	0	0	0	1	0.89	0.44	0.71	0.53	226.49	3.75	13.20	2,120
041000074	4	Summit St Drainage Improvement Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	64	3.15	4.72	752	4.4	6.62	0	0	0	0	0	0	0	0	0	1.73	1.06	1.73	0.81	13.20	2,121
031000138	3	Westside Drive Drainage System and Street Reconstruct Study	Highland Park	Study to reconstruct Drainage System and Street in the 4500-4700 blocks of Westside Drive	Project planning	700,000	4	1.36	2.04	14944	6.2	9.32	1	0.67	1.68	0	0	0	0	0	0	0.19	0.16	0	0	13.19	2,122
121000157	12	Rockwood Creek (SA-39)	Bexar County	Engineering study to assess the removal of properties and residential structures from the 100-Yr flood plain along Rockwood Creek upstream of the San Antonio River and River Side Golf Course.	Project planning	100,000	120	3.55	5.33	293	3.8	5.76	0	0	0	0	0	0	10	3.03	1.51	0.77	0.57	0	0	13.18	2,123
031000371	3	Terrell KCS Watershed Drainage Improvements	Terrell	Evaluation of possible culvert improvements at the railroad spur and channel improvements downstream of railroad spur to tie in with Oldcastle improvements	Project planning	370,000	6	1.62	2.42	1960	5.0	7.48	0	0	0	0	0	0	0	0	0	0.71	0.53	42.99	2.73	13.17	2,124
151000451	15	City of Palmhurst - Holistic HUC Flood Protection Study	Palmhurst	Develop flood risk maps for the City of Palmhurst and develop CIP.	Watershed planning	1,500,000	43	2.89	4.33	164	3.5	5.24	0	0	0	0	0	0	0	0	0	1.08	0.76	49.86	2.82	13.15	2,125
031000255	3	Swadley Branch Stabilization	Grand Prairie	from 2200 feet south of Koscher Drive to Joe Pool Lake (future with development); Estimated construction cost of $286,800	Project planning	250,000	3	1.18	1.77	3358	5.3	7.97	0	0	0	0	0	0	0	0	0	0.03	0.02	123.61	3.38	13.14	2,126
031000256	3	Mills Branch Stabilization	Grand Prairie	from 880 feet south of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with development); Estimated construction cost of $599,300	Project planning	250,000	3	1.18	1.77	3358	5.3	7.97	0	0	0	0	0	0	0	0	0	0.03	0.02	123.61	3.38	13.14	2,126

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000257	3	Tarrell Creek Stabilization	Grand Prairie	from a Stream Point 2420 feet south of South Periwinkle Court cul-de-sac and 800 feet east of South Periwinkle Court cul-de-sac to Joe Pool Lake (future with development); Estimated construction cost of $747,200	Project planning	250,000	3	1.18	1.77	3358	5.3	7.97	0	0	0	0	0	0	0	0	0	0.03	0.02	123.61	3.38	13.14	2,126
011000078	1	Hereford City Drainage Master Plan	Hereford	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses	Watershed planning	250,000	19	2.36	3.54	55	2.8	4.25	0	0	0	1	1.03	2.07	1	0.89	0.44	2.18	1.22	6.62	1.59	13.12	2,129
101000208	10	Glen Flora Drainage Master Plan and Levee Project	Wharton County	Watershed Study and Project Planning	Watershed planning	300,000	48	2.96	4.44	65	2.9	4.40	0	0	0	0	0	0	0	0	0	1.41	0.92	112.05	3.32	13.08	2,130
011000009	1	Knox County FIS	Knox County	Perform flood insurance study for the county and develop regulatory mapping	Watershed planning	873,000	7	1.71	2.57	3	1.1	1.64	0	0	0	0	0	0	0	0	0	5.21	1.89	42191.00	6.96	13.07	2,131
131000073	13	Poesta Creek Drainage Improvements	Beeville	Poesta creek drainage project. Complete concrete lining of drainage ditch from St. Marys to Hwy 181. A portion of the project has been completed from Adams street to South Jackson.	Project planning	169,000	17	2.29	3.43	6	1.5	2.25	0	0	0	4	2.46	4.92	8	2.80	1.40	0.50	0.39	1.33	0.67	13.07	2,132
051000044	5	City of Palestine Master Drainage Plan	Palestine	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	700,000	14	2.16	3.24	31	2.5	3.73	0	0	0	2	1.69	3.39	2	1.46	0.73	1.96	1.15	1.77	0.82	13.06	2,133
031000418	3	Pecan Acres Drainage Improvements	Flower Mound	Study for the removal and replacement of existing driveway approaches and culverts to allow for the regrading of roadway bar ditches for positive flow within the ROW of the Pecan Acres subdivision.	Project planning	250,000	39	2.82	4.24	960	4.6	6.84	0	0	0	0	0	0	0	0	0	1.45	0.94	2.68	1.05	13.06	2,134
031000147	3	FM 2114 Automated Flood Gate Feasibility Assessment	Penelope	Evaluate installation of an automated flood gate that prevents traffic flow on FM 2114 within the flood-prone area during flooding events.	Project planning	30,000	3	1.18	1.77	338	3.9	5.89	0	0	0	0	0	0	0	0	0	1.06	0.75	938.85	4.62	13.03	2,135
051000161	5	Calder Diversion Connections	Jefferson County Drainage District 6	Evaluate sub-surface diversion primarily located along Calder Avenue that discharges into the Neches River.	Project planning	75,000	17	2.29	3.43	2065	5.0	7.53	1	0.67	1.68	0	0	0	0	0	0	0.28	0.22	0.22	0.14	13.00	2,136
111000055	11	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	San Marcos	2-Dimensional Modeling of the Purgatory Creek and Willow Springs Creek Overflow Area	Watershed planning	271,000	159	3.74	5.60	349	3.9	5.92	0	0	0	0	0	0	0	0	0	3.00	1.46	0	0	12.99	2,137
081000890	8	Loop 340 Berm & Frontage Road Improvements	Waco	Infrastructure improvements to lessen the impact of flood events on the intersection.	Project planning	100,000	24	2.51	3.76	138	3.4	5.08	0	0	0	0	0	0	0	0	0	0.85	0.62	151.80	3.51	12.97	2,138
151000407	15	Willacy County Precinct No.4 - Zapata Various Drain Ditch improvement	Willacy County	improve ~18,000 LF of main drain ditch and install 60" RCP Culvert as necessary	Project planning	248,224	14	2.16	3.24	21	2.3	3.38	0	0	0	0	0	0	0	0	0	3.98	1.68	967.76	4.64	12.95	2,139
101000084	10	Bee Creek Drainage Improvements	West Lake Hills	Complete Little Bee Creek Drainage Improvement Project	Project planning	100,000	14	2.16	3.24	31	2.5	3.73	0	0	0	2	1.69	3.39	0	0	0	0.47	0.36	18.36	2.21	12.94	2,140
011000107	1	City of Fritch GIS Development	Fritch	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	76	3.26	4.89	116	3.3	4.93	0	0	0	0	0	0	0	0	0	3.59	1.60	5.85	1.51	12.93	2,141
101000086	10	Citywide Drainage Study	San Leanna	Complete engineering studies and determine project designs for stormwater flood prevention	Watershed planning	250,000	49	2.97	4.46	114	3.3	4.91	0	0	0	0	0	0	0	0	0	0.40	0.31	97.92	3.24	12.92	2,142
031000509	3	Floodplain Mapping Updates of WB-1 Tributary 1	Flower Mound	Floodplain mapping of WB-1 Tributary 1 to establish base flood elevations in order to convert Zone A to Zone AE via a LOMR.	Watershed planning	59,000	2	0.94	1.40	21	2.3	3.38	7	2.01	5.03	0	0	0	0	0	0	1.80	1.09	12.91	2.00	12.90	2,143
101000156	10	Storm Water Detention at Morris Park	Elgin	Storm Water Detention at Morris Park	Project planning	150,000	66	3.17	4.75	209	3.6	5.46	0	0	0	0	0	0	0	0	0	0.77	0.57	15.43	2.10	12.88	2,144
121000034	12	Inventory of residences in floodplain	Kenedy	Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquistion.	Project planning	50,000	42	2.87	4.31	59	2.9	4.31	0	0	0	0	0	0	21	3.77	1.89	0.43	0.34	13.11	2.00	12.85	2,145
151000353	15	Cameron County - Chula Vista Orason Drainage Improvements	Cameron County	Flooding issues compounded by inadequate infrastructure. Improve to overall drainage infra.	Project planning	503,671	41	2.86	4.29	123	3.3	4.98	0	0	0	0	0	0	0	0	0	0.49	0.38	92.30	3.20	12.85	2,146
081000976	8	Sugar Creek Watershed Analysis	Sugar Land	Complete a drainage study for the Sugar Creek neighborhood to mitigate flooding risk.	Watershed planning	50,000	26	2.56	3.84	165	3.5	5.24	0	0	0	0	0	0	18	3.62	1.81	2.35	1.28	1.24	0.64	12.81	2,147
081000981	8	Sugar Creek East Ditch	Sugar Land	Install box culverts in the Sugar Creek East Ditch for storm water control.	Project planning	253,000	26	2.56	3.84	165	3.5	5.24	0	0	0	0	0	0	18	3.62	1.81	2.35	1.28	1.24	0.64	12.81	2,147
081000982	8	Lakebend Sugar Creek Outfall & Drainage	Sugar Land	Replace outfall structure and channel improvements at Sugar Creek & Parkway Blvd and upsize storm water systems.	Project planning	388,000	26	2.56	3.84	165	3.5	5.24	0	0	0	0	0	0	18	3.62	1.81	2.35	1.28	1.24	0.64	12.81	2,147
071000029	7	Terry County Update FEMA Mapping	Terry County	Update existing FEMA mapping	Watershed planning	1,010,000	4	1.36	2.04	5	1.4	2.09	0	0	0	0	0	0	0	0	0	27.41	3.22	3373.05	5.41	12.76	2,150
071000114	7	Terry County GIS Development	Terry County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	4	1.36	2.04	5	1.4	2.09	0	0	0	0	0	0	0	0	0	27.41	3.22	3373.05	5.41	12.76	2,150
071000198	7	Terry County DCM	Terry County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	4	1.36	2.04	5	1.4	2.09	0	0	0	0	0	0	0	0	0	27.41	3.22	3373.05	5.41	12.76	2,150
101000246	10	Riverwood Drive Improvements at Piney Creek (DMP PC-02)	Bastrop	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	160,000	10	1.94	2.92	8	1.7	2.51	1	0.67	1.68	1	1.03	2.07	0	0	0	0.54	0.42	85.49	3.15	12.74	2,153
031000214	3	Bowles St & Hensley Drive	Grand Prairie	Study update - Storm Drain Improvements; Estimated construction cost of $1,295,700	Project planning	250,000	5	1.50	2.25	3263	5.3	7.94	0	0	0	0	0	0	0	0	0	0.99	0.71	9.62	1.82	12.71	2,154
061000442	6	Forest Estates - Live Oak Creek Watershed Artesian Forest 1 - Artesian Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	99	3.43	5.14	343	3.9	5.91	0	0	0	0	0	0	0	0	0	2.27	1.25	0.70	0.40	12.70	2,155
061000462	6	Longmire and SH-105 - Live Oak Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	99	3.43	5.14	343	3.9	5.91	0	0	0	0	0	0	0	0	0	2.27	1.25	0.70	0.40	12.70	2,155
061000220	6	Buffalo Bayou - W130-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for W130-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	100,000	27	2.59	3.88	3954	5.4	8.12	0	0	0	0	0	0	0	0	0	0.67	0.51	0.25	0.15	12.65	2,157
111000165	11	Caldwell County CR 208 @ Plum Creek	Caldwell County	Evaluate low-water crossing and roadway upgrades on CR 208 to improve level-of-service	Project planning	50,000	12	2.06	3.09	34	2.5	3.82	0	0	0	0	0	0	0	0	0	1.46	0.94	1218.51	4.78	12.63	2,158
151000180	15	ML10b Sunset	Mission	9173 feet of storm sewer upgrade, includes 1962 feet of upgrades to Trunk line segments along Taylor Rd. An extension of 1620 feet.	Project planning	406,702	83	3.31	4.97	202	3.6	5.43	0	0	0	0	0	0	0	0	0	1.60	1.00	3.61	1.22	12.63	2,159
031000254	3	Stuart Branch Stabilization	Grand Prairie	from 460 feet north of Sanctuary Drive and 350 feet northeast of Nature Court cul-de-sac to Joe Pool Lake (future with development); Estimated construction cost of $349,700	Project planning	250,000	9	1.88	2.81	1283	4.7	7.10	0	0	0	0	0	0	0	0	0	0.57	0.43	20.52	2.28	12.63	2,160
011000183	1	Culverts: Various Locations (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to culverts. Project identified from 2019 Amarillo DMP.	Project planning	250,000	30	2.65	3.98	295	3.8	5.77	1	0.67	1.68	0	0	0	0	0	0	2.07	1.19	0	0	12.62	2,161
011000138	1	Wild Horse Lake Project Planning (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include adding a 30" relief culvert and a new junction box w/ flap gate. Project identified from 2019 Amarillo DMP.	Project planning	250,000	30	2.65	3.98	295	3.8	5.77	1	0.67	1.68	0	0	0	0	0	0	2.07	1.19	0	0	12.62	2,162
011000151	1	Wild Horse Lake Project Planning - ONG/Lipscomb Storm Sewer (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include replacing 5 pipes with larger diameters, adding two RCP, and adding a new diversion structure. Project identified from 2019 Amarillo DMP.	Project planning	250,000	30	2.65	3.98	295	3.8	5.77	1	0.67	1.68	0	0	0	0	0	0	2.07	1.19	0	0	12.62	2,162

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
011000158	1	Wild Horse Lake Improvement (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to Wild Horse Lake. Project identified from 2019 Amarillo DMP.	Project planning	250,000	30	2.65	3.98	295	3.8	5.77	1	0.67	1.68	0	0	0	0	0	0	2.07	1.19	0	0	12.62	2,162
011000171	1	Wild Horse Lake Watershed Study (City of Amarillo)	Amarillo	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as very high priority in 2019 Amarillo DMP	Watershed planning	548,000	30	2.65	3.98	295	3.8	5.77	1	0.67	1.68	0	0	0	0	0	0	2.07	1.19	0	0	12.62	2,162
031000158	3	Seven Oaks Drainage Ditches	Seven Oaks	Evaluate drainage ditch along city streets Camp Rd, Pickens Loop, Franklin Rd, Austin Street, and Hunt Street	Project planning	100,000	6	1.62	2.42	197	3.6	5.40	0	0	0	0	0	0	0	0	0	0.63	0.48	551.82	4.30	12.61	2,166
031000161	3	Seven Oaks Culvert Installation	Seven Oaks	Evaluate alternatives to install multiple new culverts under Camp Rd, Pickens Loop, and Franklin Rd	Project planning	100,000	6	1.62	2.42	197	3.6	5.40	0	0	0	0	0	0	0	0	0	0.63	0.48	551.82	4.30	12.61	2,166
131000154	13	Kleberg County Drainage Improvement Study	Kleberg County	COASTAL BEND MITIGATION ACTION PLAN - KL - 13: Improve drainage to county roads, Pcts 1 & 3, heavy rains cause road flooding and standing water to ditches. The overflow of stormwater has produced some flooding to residential homes and properties.	Project planning	49,000	17	2.29	3.43	42	2.7	4.01	0	0	0	1	1.03	2.07	9	2.92	1.46	0.81	0.59	2.58	1.03	12.59	2,168
101000005	10	Lakeview Drive & Tuck Street	Bastrop County	Drainage system improvements	Project planning	100,000	47	2.95	4.42	115	3.3	4.92	0	0	0	0	0	0	0	0	0	0.38	0.30	61.84	2.96	12.59	2,169
091000082	9	San Angelo Street Flooding 3	Tom Green County	Street flow south of Oxford enters Red Arroyo, 3-4' deep in street	Project planning	6,645,000	12	2.06	3.09	81	3.1	4.60	0	0	0	2	1.69	3.39	0	0	0	1.82	1.09	0.66	0.38	12.56	2,170
151000190	15	MI06a Erma	Mission	7042 feet of storm sewer upgrade and an extension of storm sewer of 2354 feet. New construction of a 12 acre-foot detention basin.	Project planning	289,087	72	3.22	4.83	188	3.6	5.36	0	0	0	0	0	0	0	0	0	1.27	0.85	5.80	1.51	12.56	2,171
151000199	15	MI11 Lower Melba Carter (5-F)	Mission	902 feet of channel improvements and one crossing improvement location	Project planning	17,478	30	2.65	3.98	102	3.2	4.81	0	0	0	0	0	0	0	0	0	2.51	1.33	26.01	2.42	12.54	2,172
101000010	10	Hidden Shores Subdivision	Bastrop County	Voluntary buyout of homes in floodway (22 homes)	Project planning	150,000	39	2.82	4.24	68	3.0	4.44	0	0	0	0	0	0	0	0	0	1.13	0.78	67.89	3.01	12.47	2,173
061000232	6	City of Cut and Shoot Master Drainage Plan	Cut and Shoot	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	210,000	90	3.37	5.05	166	3.5	5.25	0	0	0	0	0	0	0	0	0	1.71	1.05	2.88	1.09	12.44	2,174
031000001	3	Archer County FEMA Mapping	Archer County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	1,254,000	1	0.57	0.86	33	2.5	3.79	0	0	0	0	0	0	0	0	0	7.90	2.22	4393.65	5.57	12.44	2,175
031000163	3	Rock Creek Road Improvements	San Jacinto County, Shepherd	Evaluate alternatives to mitigate repetitive damages to Rocky Creek Rd sustained between 2015 - Present	Project planning	100,000	32	2.70	4.04	302	3.9	5.79	0	0	0	0	0	0	0	0	0	0.55	0.43	17.13	2.17	12.43	2,176
131000196	13	Risk Area 29 - US Naval Base	Corpus Christi	Ponding occurs throughout the base causing mobility issues.	Project planning	100,000	2	0.94	1.40	2	0.9	1.31	10	2.28	5.70	0	0	0	0	0	0	1.96	1.15	51.22	2.84	12.40	2,177
051000059	5	City of Whitehouse Master Drainage Plan	Whitehouse	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	150,000	36	2.77	4.16	67	3.0	4.43	0	0	0	1	1.03	2.07	1	0.89	0.44	0.73	0.55	1.55	0.75	12.40	2,178
121000087	12	Damage Center 19- San Pedro Creek	San Antonio	A lateral detention project is recommended to reduce the Camaron Street spill which will also provide some minor relief to the storm sewer surcharges at West Elmira Street, Cadwallader Street, Marshall Street, and Hill Street	Project planning	8,615,588	33	2.72	4.07	275	3.8	5.71	0	0	0	0	0	0	14	3.37	1.68	1.42	0.92	0	0	12.39	2,179
151000303	15	Hidalgo County Drainage District No.1 - J-06-00	Hidalgo County Drainage District 1	Create new J-06-00 drain ditch to provide drainage relief for the Northwest Edinburg area, west of Edinburg Lake	Project planning	734,972	17	2.29	3.43	40	2.6	3.96	0	0	0	0	0	0	0	0	0	0.74	0.55	693.03	4.44	12.38	2,180
131000014	13	City of Natalia Floodplain Study	Natalia	City wide flood study to evaluate floodplain.	Watershed planning	48,000	56	3.06	4.59	68	3.0	4.44	0	0	0	0	0	0	16	3.50	1.75	1.40	0.92	1.32	0.67	12.37	2,181
151000183	15	MI11a Sunrise	Mission	1880 feet of storm sewer upgrade	Project planning	92,929	49	2.97	4.46	193	3.6	5.39	0	0	0	0	0	0	0	0	0	0.75	0.56	12.02	1.95	12.35	2,182
151000106	15	City of Del Rio Project 10	Del Rio	San Felipe Creek W. 10th St. Storm sewer	Project planning	33,001	102	3.45	5.17	247	3.7	5.61	0	0	0	0	0	0	0	0	0	3.45	1.57	0	0	12.35	2,183
031000299	3	Ricketts Branch at Camp Wisdom Road	Dallas	Evaluate bridge improvements for Camp Wisdom Road over Ricketts Branch (2 structures)	Project planning	250,000	5	1.50	2.25	7792	5.8	8.73	0	0	0	0	0	0	0	0	0	0.54	0.42	2.25	0.95	12.35	2,184
031000300	3	Ricketts Branch at IH 35E Service	Dallas	Evaluate bridge improvements for IH 35E over Ricketts Branch	Project planning	250,000	5	1.50	2.25	7792	5.8	8.73	0	0	0	0	0	0	0	0	0	0.54	0.42	2.25	0.95	12.35	2,184
031000261	3	Office Creek Drainage Study	The Colony	Update Drainage Study and Improvements at Five Star Park	Project planning	100,000	1	0.57	0.86	7897	5.8	8.74	0	0	0	0	0	0	0	0	0	0.47	0.36	23.48	2.36	12.32	2,186
071000034	7	City of Albany DMP	Albany	Evaluate city storm infrastructure and floodways for adequate capacity.	Watershed planning	250,000	158	3.73	5.60	93	3.2	4.73	0	0	0	0	0	0	0	0	0	5.94	2.00	0.00	0.00	12.32	2,187
051000087	5	Hardin County Cooks Lake Road Bridge Elevation	Hardin County	H&H study to improve drainage along Cooks Lake Bridge.	Project planning	20,000	41	2.86	4.29	119	3.3	4.95	0	0	0	0	0	0	0	0	0	2.67	1.37	8.10	1.71	12.32	2,188
051000049	5	City of Rose Hill Acres Master Drainage Plan	Rose Hill Acres	Develop drainage study to identify flood mitigation measures and drainage improvements including purchase of easements in the ETJ or a possible MOU to implement improvements.	Watershed planning	200,000	129	3.60	5.40	234	3.7	5.56	0	0	0	0	0	0	0	0	0	2.33	1.27	0.12	0.07	12.31	2,189
051000077	5	City of Rose Hill Acres Flood Mitigation Improvements	Rose Hill Acres	Develop drainage study to identify flood mitigation measures in and around Rose Hill Acres ETJ.	Project planning	500,000	129	3.60	5.40	234	3.7	5.56	0	0	0	0	0	0	0	0	0	2.33	1.27	0.12	0.07	12.31	2,189
051000079	5	City of Rose Hill Acres Ditch Improvements	Rose Hill Acres	H&H Study to identify alternatives for ditch improvements within Rose Hill Acres	Project planning	50,000	129	3.60	5.40	234	3.7	5.56	0	0	0	0	0	0	0	0	0	2.33	1.27	0.12	0.07	12.31	2,189
051000080	5	City of Rose Hill Acres Road and Bridge Elevation	Rose Hill Acres	H&H study to locate roadways prone to flooding and identify alternatives to improve drainage.	Project planning	50,000	129	3.60	5.40	234	3.7	5.56	0	0	0	0	0	0	0	0	0	2.33	1.27	0.12	0.07	12.31	2,189
041000037	4	City of Henderson Flood Instructure Improvements Study	Henderson	Feasibility study to replace riprap lining with a concrete lining to increase maintenance efficiency and flood protection.	Project planning	200,000	27	2.59	3.88	422	4.1	6.09	0	0	0	0	0	0	0	0	0	0.31	0.25	15.02	2.09	12.31	2,193
041000038	4	City of Henderson Storm Drain Improvement Study	Henderson	Feasibility study to install new storm drain system to address localized neighborhood drainage issues	Project planning	100,000	27	2.59	3.88	422	4.1	6.09	0	0	0	0	0	0	0	0	0	0.31	0.25	15.02	2.09	12.31	2,193
061000233	6	City of Dayton Master Drainage Plan	Dayton	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	108,000	32	2.70	4.04	74	3.0	4.52	0	0	0	0	0	0	0	0	0	0.93	0.67	65.61	2.99	12.22	2,195
131000221	13	Co-F: Gregory Outfall Development	San Patricio County	Two new ditches, with the first to extend from N side of West 4th St to existing channel N of Access Road 102 and the second to extend from Ave C near 9th St to existing outfall behind Orchid Circle.	Project planning	352,000	7	1.71	2.57	14	2.0	3.01	2	1.10	2.75	0	0	0	0	0	0	0.45	0.35	158.48	3.53	12.22	2,196
051000108	5	9th Avenue - Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	36	2.77	4.16	528	4.2	6.30	0	0	0	0	0	0	0	0	0	1.76	1.07	1.33	0.67	12.20	2,197
051000121	5	9th Avenue Additional Detention Excavation	Jefferson County Drainage District 7	H&H study to identify additional detention required to improve existing level of service	Project planning	100,000	36	2.77	4.16	528	4.2	6.30	0	0	0	0	0	0	0	0	0	1.76	1.07	1.33	0.67	12.20	2,197
031000452	3	Stewart Creek & Legacy Gabion Repair	Frisco	Updates to existing study to perform creek bank stabilization in the Stewart Creek & Legacy Gabion area.	Project planning	350,000	3	1.18	1.77	138	3.4	5.08	0	0	0	1	1.03	2.07	0	0	0	1.19	0.81	27.28	2.45	12.19	2,199
101000218	10	Pecan, Beech, & Haysel Improvements to Gills Branch (DMP GB-05)	Bastrop	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	1,400,000	57	3.07	4.61	964	4.6	6.84	0	0	0	0	0	0	0	0	0	1.02	0.72	0	0	12.17	2,200
131000203	13	Risk Area 13 - FM 1694 & TX 44 South	Robstown	Flooding causes mobility issues at intersection. TX44 South also acts as a dam and is causing additional flooding to the area West of it.	Project planning	100,000	11	2.01	3.01	9	1.7	2.62	2	1.10	2.75	0	0	0	0	0	0	0.46	0.35	134.85	3.43	12.16	2,201
151000355	15	Cameron County Drainage District No.3 - Main Drain A Capacity Increase Project	Cameron County Drainage District 3	Incr. channel width, replace N. and S. bridges at Bus77 to CR596 & replace flume with siphon downstream of Iowa Gardens Rd. See 2010 ESPEY 6.2.2 Alt. 2a. page 38	Project planning	1,928,834	27	2.59	3.88	30	2.5	3.70	0	0	0	0	0	0	1	0.89	0.44	0.35	0.28	266.14	3.85	12.15	2,202
051000047	5	City of Rusk Master Drainage Plan	Rusk	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	280,000	41	2.86	4.29	455	4.1	6.16	0	0	0	0	0	0	0	0	0	1.51	0.97	1.51	0.74	12.15	2,203
031000294	3	Hurst Creek Watershed Study	Burleson	Study to improve knowledge of flood risks and facilitate the analysis of proposed developments within or adjacent to the floodplain.	Watershed planning	50,000	14	2.16	3.24	1425	4.8	7.19	0	0	0	0	0	0	0	0	0	0.28	0.22	5.62	1.49	12.15	2,204

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000158	12	Live Oak at Salitrillo Creek (CB-9)	Bexar County	Engineering study to assess removal of residential structures from the Salitrillo Creek 100-Yr flood plain upstream of Martinez Creek Dam No. 5.	Project planning	250,000	40	2.84	4.26	94	3.2	4.74	0	0	0	0	0	0	15	3.44	1.72	0.88	0.64	1.68	0.79	12.15	2,205
061000278	6	City of Roman Forest Master Drainage Plan	Roman Forest	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	86	3.34	5.01	253	3.8	5.63	0	0	0	0	0	0	0	0	0	3.18	1.51	0	0	12.14	2,206
061000388	6	Roman Forest Boulevard Bridge Elevation Project	Montgomery County	Further study of this project involves the study, design, elevation, and replacement of the Roman Forest Boulevard Bridge to mitigate the risks associated with storms and riverine flooding for the approximate 15,000 citizens.	Project planning	30,000	86	3.34	5.01	253	3.8	5.63	0	0	0	0	0	0	0	0	0	3.18	1.51	0	0	12.14	2,206
011000118	1	Comanche Drainage Channel (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to Comanche Drainage Channel. Project identified from 2019 Amarillo DMP.	Project planning	250,000	14	2.16	3.24	22	2.3	3.42	0	0	0	0	0	0	0	0	0	4.21	1.73	223.89	3.74	12.13	2,208
011000126	1	SE 34th/ Grand at Comanche Golf Course Channel (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to SE 34th/ Grand at Comanche Golf Course Channel. Project identified from 2019 Amarillo DMP.	Project planning	250,000	14	2.16	3.24	22	2.3	3.42	0	0	0	0	0	0	0	0	0	4.21	1.73	223.89	3.74	12.13	2,208
011000150	1	Gooch Lake Project Planning - 27th Ave/RR Storm Sewer (City of Amarillo)	Amarillo	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include adding inlets, a 24" RCP lateral, and a manhole. Project identified from 2019 Amarillo DMP.	Project planning	250,000	14	2.16	3.24	22	2.3	3.42	0	0	0	0	0	0	0	0	0	4.21	1.73	223.89	3.74	12.13	2,208
031000474	3	Cedar Gully Improvements Study	Chambers County	Study to provide channel modifications to Cedar Gully upstream of FM 2354 to improve conveyance to outfall into Trinity Bay	Project planning	150,000	20	2.39	3.59	318	3.9	5.84	0	0	0	0	0	0	0	0	0	0.25	0.20	29.61	2.50	12.13	2,211
061000298	6	City of Willis Master Drainage Plan	Willis	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	250,000	61	3.11	4.67	342	3.9	5.90	0	0	0	0	0	0	0	0	0	1.67	1.03	0.93	0.51	12.12	2,212
051000072	5	City of Lumberton East Village Creek Parkway Drainage Improvements	Lumberton	H&H Study to identify alternatives for improving existing drainage of East Village Creek Parkway	Project planning	125,000	27	2.59	3.88	82	3.1	4.61	0	0	0	1	1.03	2.07	1	0.89	0.44	0.62	0.47	1.21	0.63	12.10	2,213
121000178	12	Falls City Flooding from San Antonio River	Karnes County	Evaluate alternatives to mitigate flooding from the San Antonio River affecting buildings in the City of Falls City	Project planning	100,000	28	2.61	3.91	15	2.1	3.08	0	0	0	0	0	0	13	3.29	1.65	1.03	0.72	42.87	2.73	12.09	2,214
151000193	15	MI07b Guadalupe	Mission	3559 feet of storm sewer upgrade and a single crossing improvement at I2	Project planning	201,778	83	3.31	4.97	229	3.7	5.54	0	0	0	0	0	0	0	0	0	1.52	0.97	1.17	0.61	12.09	2,215
121000019	12	DC19: Salado Creek Tributary B	San Antonio	Improvement on IH 10 culvert crossing to reduce peak flood stages upstream of IH 10 channel improvements downstream of IH 10 to prevent peak flood stage increase	Project planning	5,336,254	65	3.16	4.73	172	3.5	5.28	0	0	0	0	0	0	8	2.80	1.40	0.92	0.66	0	0	12.08	2,216
151000039	15	Lott Rd & Soderquist	Hidalgo County Drainage District 1	Local Drainage Improvements- North of Lott Road and East of Soderquist Rd.	Project planning	191,000	55	3.05	4.57	188	3.6	5.36	0	0	0	0	0	0	0	0	0	1.18	0.80	4.20	1.31	12.05	2,217
011000135	1	Bennett Lake Project Planning (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Excavate 140,000 CY, add new 5,000 GPM pumping station with suction line, add several force mains at various sizes. Project identified from 2019 Amarillo DMP.	Project planning	556,000	49	2.97	4.46	438	4.1	6.13	0	0	0	0	0	0	0	0	0	2.87	1.43	0	0	12.01	2,218
011000165	1	Bennett Lake Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as very high priority in 2019 Amarillo DMP	Watershed planning	195,000	49	2.97	4.46	438	4.1	6.13	0	0	0	0	0	0	0	0	0	2.87	1.43	0	0	12.01	2,218
041000065	4	Happy Hallow Creek Erosion Protection Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	93	3.39	5.08	561	4.2	6.35	0	0	0	0	0	0	0	0	0	0.42	0.33	0.42	0.25	12.01	2,220
041000071	4	Happy Hallow Creek Conveyance Improvement Study	Marshall	Perform H&H modeling to develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Project planning	75,000	93	3.39	5.08	561	4.2	6.35	0	0	0	0	0	0	0	0	0	0.42	0.33	0.42	0.25	12.01	2,220
051000114	5	Pure Oil Ditch Improvements	Jefferson County Drainage District 7	H&H study to identify alternatives for Pure Oil Ditch	Project planning	100,000	6	1.62	2.42	33	2.5	3.79	6	1.90	4.74	0	0	0	0	0	0	0	0	0	0	2.70	1.05	12.01	2,222
061000337	6	Spring Creek Watershed Plan- Recommended Alternative for PA-02: J131-01-00 Storm Sewer improvements & channel modification	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. Channel modifications along J131-01 & storm sewer improvements under Zion Road, reduces sheetflow by providing positive drainage outfall for ~200 ac of land.	Project planning	30,000	15	2.21	3.31	25	2.4	3.54	1	0.67	1.68	1	1.03	2.07	1	0.89	0.44	0.81	0.60	0.60	0.35	11.98	2,223
061000394	6	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-08-00	Harris County Flood Control District	Develop BCA to become a FMP. This project could reduce the risk of flooding for over 210 structures and could reduce the 1% rainfall event for over 170 acres as part of the Halls Ahead Bond Implementation Program.	Project planning	30,000	39	2.82	4.24	64	2.9	4.39	2	1.10	2.75	0	0	0	0	0	0	0.68	0.51	0.05	0.03	11.91	2,224
081001287	8	Cross Creek Road Low Water Crossing Removal	Waco	Removal of the Cross Creek Road low water crossing and associated 18" culverts. Extension of Stone Creek Ridge Drive to maintain access to existing properties.	Project planning	100,000	13	2.11	3.17	37	2.6	3.89	0	0	0	1	1.03	2.07	0	0	0	0.80	0.59	17.60	2.19	11.91	2,225
101000019	10	Upper Elgin River Rd & Cotton Creek	Bastrop County	LWC to Culvert Cast-in-place multi-box (2) culvert-bridge	Project planning	100,000	18	2.32	3.49	54	2.8	4.23	0	0	0	0	0	0	0	0	0	0.19	0.15	346.50	4.01	11.88	2,226
151000099	15	City of La Grulla	La Grulla	Develop Flood risk maps for the city of La Grulla and develop CIP	Watershed planning	250,000	28	2.61	3.91	49	2.8	4.15	0	0	0	0	0	0	0	0	0	1.10	0.77	69.16	3.02	11.85	2,227
071000046	7	City of Post DMP	Post	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	36	2.77	4.16	251	3.7	5.62	0	0	0	0	0	0	0	0	0	6.40	2.06	0	0	11.84	2,228
101000011	10	Waters Edge Terrace Subdivision	Bastrop County	Voluntary buyout of homes in 100-year FP (12 homes)	Project planning	100,000	43	2.89	4.33	120	3.3	4.96	0	0	0	0	0	0	0	0	0	0.46	0.36	17.67	2.19	11.83	2,229
061000269	6	City of Oak Ridge North Master Drainage Plan	Oak Ridge North	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	170,000	85	3.33	4.99	426	4.1	6.10	0	0	0	0	0	0	0	0	0	1.04	0.73	0	0	11.83	2,230
131000143	13	Outfall No. 5	Port Aransas	Hazard mitigation drainage improvements for the City of Port Aransas. The outfall is composed of two 48" RCPs and extend West from HWY 361 to a nearby basin. Outfall is 361 ft. South of Mustang Blvd and HWY 361 intersection.	Project planning	12,000	32	2.70	4.04	53	2.8	4.22	0	0	0	0	0	0	8	2.80	1.40	2.25	1.25	2.00	0.89	11.80	2,231
061000538	6	West Baytown Phase 2	Baytown	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria.	Project planning	30,000	81	3.30	4.95	302	3.9	5.79	0	0	0	0	0	0	0	0	0	1.68	1.04	0	0	11.78	2,232
011000132	1	Playa No. 7 Project Planning (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvements include excavating 100,000 CY, add new 3,000 GPM pumping station withsuction line, and add new force main. Project identified from 2019 Amarillo DMP.	Project planning	250,000	31	2.68	4.01	58	2.9	4.30	0	0	0	0	0	0	0	0	0	2.15	1.21	19.12	2.24	11.76	2,233
131000027	13	Atascosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #12	Jourdanton	Identify problem flooding areas within an area drainage study and implement a program to reduce citywide and localized flooding.	Project planning	225,000	18	2.32	3.49	113	3.3	4.90	0	0	0	0	0	0	25	3.95	1.98	0.96	0.69	1.34	0.68	11.72	2,234
101000029	10	Magnolia St	Brownwood	Magnolia Ditch Project, Construction of ditch & culvert	Project planning	100,000	27	2.59	3.88	276	3.8	5.71	0	0	0	0	0	0	0	0	0	0.66	0.50	7.21	1.64	11.72	2,235
061000204	6	Greens Bayou - P130-05-02	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for P130-05-02-00-00 through the HCFCD 'Watershed Planning Tool' to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	150,000	124	3.57	5.36	177	3.5	5.31	0	0	0	0	0	0	0	0	0	1.72	1.05	0	0	11.72	2,236
101000006	10	Green Valley Drive in Precinct 1	Bastrop County	LWC upgrade, Bridge	Project planning	100,000	38	2.81	4.21	67	3.0	4.43	0	0	0	0	0	0	0	0	0	0.33	0.26	49.48	2.82	11.72	2,237

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
131000145	13	Fulton West Drainage Improvements	Fulton	Collection System Improvements include inlets, drain pipes, manholes or junction boxes, collection swales, and connection of the system to existing major drainage outfalls.	Project planning	450,000	25	2.54	3.80	45	2.7	4.07	1	0.67	1.68	0	0	0	10	3.03	1.51	0.84	0.62	0	0	11.68	2,238
151000022	15	Laguna Vista Action #8	Laguna Vista	Drainage Improvements: Upgrade the drainage system on Holley Beach to increase capacity and reduce risk of flooding	Project planning	370,000	16	2.25	3.37	44	2.7	4.05	0	0	0	0	0	0	3	1.84	0.92	0.28	0.23	77.48	3.09	11.66	2,239
011000101	1	Panhandle City Drainage Master Plan	Panhandle	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	14	2.16	3.24	53	2.8	4.22	3	1.38	3.46	0	0	0	0	0	0	0.81	0.60	0.22	0.13	11.64	2,240
011000112	1	City of Panhandle GIS Development	Panhandle	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	14	2.16	3.24	53	2.8	4.22	3	1.38	3.46	0	0	0	0	0	0	0.81	0.60	0.22	0.13	11.64	2,240
031000368	3	Drainage Improvements for Stream 2C5, Keen Creek, From North Barnes Drive to North Yale Drive	Garland	Study to determine mitigation options needed to implement Drainage Improvements from Stream 2C5 (Keen Creek)	Project planning	250,000	1	0.57	0.86	4523	5.5	8.24	0	0	0	1	1.03	2.07	0	0	0	0.59	0.45	0	0	11.61	2,242
061000140	6	Elevate Existing Bridge - East Fork San Jacinto River	North Cleveland	Evaluate, Design and construct new bridge over east fork san jacinto river on low water bridge road to reduce flooding.	Project planning	1,000,000	52	3.01	4.52	42	2.7	4.01	0	0	0	0	0	0	0	0	0	3.31	1.54	6.18	1.55	11.61	2,243
061000161	6	City of North Cleveland Engineering Study	North Cleveland	Study to identify drainage improvements in the City of North Cleveland.	Project planning	400,000	52	3.01	4.52	42	2.7	4.01	0	0	0	0	0	0	0	0	0	3.31	1.54	6.18	1.55	11.61	2,243
061000162	6	Elevation of Bridge Road in City of North Cleveland	North Cleveland	Further study to elevate Bridge road.	Project planning	120,000	52	3.01	4.52	42	2.7	4.01	0	0	0	0	0	0	0	0	0	3.31	1.54	6.18	1.55	11.61	2,243
061000268	6	City of North Cleveland Master Drainage Plan	North Cleveland	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	52	3.01	4.52	42	2.7	4.01	0	0	0	0	0	0	0	0	0	3.31	1.54	6.18	1.55	11.61	2,243
081000999	8	Hudson Creek Regional Detention	Bryan	Study to design regional detention upstream of Copperfield to mitigate flooding and maintenance problems.	Project planning	160,000	26	2.56	3.84	86	3.1	4.65	0	0	0	0	0	0	3	1.84	0.92	0.30	0.24	11.87	1.94	11.60	2,247
081001038	8	Improve Undersized Storm Sewers in Hudson Creek DB	Bryan	Update modeling to Atlas 14 to determine appropriate sizing for storm sewer in the region.	Project planning	100,000	26	2.56	3.84	86	3.1	4.65	0	0	0	0	0	0	3	1.84	0.92	0.30	0.24	11.87	1.94	11.60	2,247
151000327	15	City of Los Fresnos - Los Fresnos S.E Outfall Improvements.	Los Fresnos	Improve/widen ditch to increase flow	Project planning	257,464	13	2.11	3.17	69	3.0	4.46	0	0	0	0	0	0	1	0.89	0.44	0.02	0.02	148.76	3.49	11.58	2,249
031000075	3	Town of Dish DMP	Dish	Evaluate City and identify future projects.	Watershed planning	250,000	8	1.80	2.70	148	3.4	5.15	0	0	0	0	0	0	0	0	0	0.14	0.11	180.86	3.61	11.57	2,250
091000147	9	Midland County Panel A Project	Entity ID 09000151 not found in Entities feature class	Proposed channel improvements, retention basins near Avalon Drive.	Project planning	25,000	90	3.37	5.05	35	2.6	3.84	0	0	0	0	0	0	0	0	0	4.43	1.76	1.81	0.83	11.49	2,251
031000470	3	City of Normangee Watershed-wide Dam Evaluations	Normangee	City of Normangee watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	58,000	21	2.42	3.64	120	3.3	4.96	0	0	0	0	0	0	0	0	0	0.72	0.54	23.11	2.35	11.48	2,252
061000219	6	Buffalo Bayou - W158-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for W158-00-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	Project planning	200,000	72	3.22	4.83	225	3.7	5.52	0	0	0	0	0	0	0	0	0	0.99	0.70	0.73	0.42	11.48	2,253
051000016	5	Sabine County Update Flood Hazard Mapping	Sabine County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	182,571	11	2.01	3.01	16	2.1	3.13	0	0	0	1	1.03	2.07	1	0.89	0.44	2.67	1.37	4.96	1.41	11.45	2,254
051000037	5	Sabine County Master Drainage Plan	Sabine County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	76,348	11	2.01	3.01	16	2.1	3.13	0	0	0	1	1.03	2.07	1	0.89	0.44	2.67	1.37	4.96	1.41	11.45	2,254
081000718	8	Castle Heights Subdivision Flooding	Bryan	Study to determine necessary detention, storm sewer, and other drainage improvements for Castle Heights subdivision.	Project planning	221,000	39	2.82	4.24	11	1.9	2.80	0	0	0	0	0	0	6	2.52	1.26	0.21	0.17	63.98	2.98	11.44	2,256
101000216	10	Local Storm Drain Improvements Near Piney Creek (DMP PC-04)	Bastrop	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	360,000	83	3.31	4.97	119	3.3	4.95	0	0	0	0	0	0	0	0	0	1.33	0.88	1.23	0.63	11.44	2,257
101000215	10	Hill, Pecan, & Pine Street Drainage Improvements (DMP GB-04)	Bastrop	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	600,000	73	3.23	4.85	285	3.8	5.74	0	0	0	0	0	0	0	0	0	1.17	0.80	0.06	0.04	11.42	2,258
051000056	5	City of Henderson Master Drainage Plan	Henderson	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	480,000	37	2.79	4.19	73	3.0	4.51	0	0	0	0	0	0	0	0	0	2.28	1.26	5.18	1.44	11.39	2,259
051000119	5	Rodair Lateral 5 Detention Pond Excavation	Jefferson County Drainage District 7	H&H study to identify additional detention required to expand existing level of service	Project planning	100,000	29	2.63	3.95	132	3.4	5.04	0	0	0	0	0	0	0	0	0	1.22	0.83	6.12	1.54	11.36	2,260
101000217	10	Pecan Street Bypass & Pond Diversion (DMP PC-05)	Bastrop	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	1,700,000	67	3.18	4.76	103	3.2	4.82	0	0	0	0	0	0	0	0	0	0.66	0.50	3.88	1.27	11.35	2,261
131000116	13	Tierra Grande Subdivision Drainage Improvements Feasibility Study	Nueces County, NOT FOUND	Hydrological and Hydraulic Study to provide drainage solutions to reduce flooding within the subdivision due to existing hydrological flow patterns from regional, upgradient, and local runoff drainage areas flowing toward the center of the subdivision.	Watershed planning	250,000	30	2.65	3.98	31	2.5	3.73	0	0	0	0	0	0	5	2.33	1.17	0.59	0.45	12.43	1.97	11.30	2,262
061000300	6	Town of Woodloch Master Drainage Plan	Woodloch	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	50,000	85	3.33	4.99	233	3.7	5.56	0	0	0	0	0	0	0	0	0	1.02	0.72	0	0	11.27	2,263
031000476	3	Spring Creek Gully Improvements Study	Chambers County	Assessment of implementation of detention, conveyance improvements, or a diversion for Spring Creek	Project planning	100,000	17	2.29	3.43	180	3.5	5.32	0	0	0	0	0	0	0	0	0	0.21	0.17	22.99	2.35	11.27	2,264
101000064	10	Land Purchase for New EMS/Fire/Police Building	Ganado	Purchase land; design/construct hardened EMS/Fire/Police facility	Project planning	100,000	28	2.61	3.91	77	3.0	4.55	0	0	0	0	0	0	0	0	0	0.42	0.33	27.73	2.46	11.27	2,265
101000192	10	City-wide Drainage Master Plan	Ganado	Develop a drainage master plan with a focus on identifying flood reduction projects for local drainage issues.	Watershed planning	400,000	28	2.61	3.91	77	3.0	4.55	0	0	0	0	0	0	0	0	0	0.42	0.33	27.73	2.46	11.27	2,265
151000009	15	Indian Lake Action #17	Indian Lake	Upgrade shoulders and provide turnouts along Henderson Road to support evacuation route	Project planning	20,000	27	2.59	3.88	67	3.0	4.43	0	0	0	0	0	0	0	0	0	0.55	0.42	30.78	2.53	11.26	2,267
061000221	6	Buffalo Bayou - W163-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for W163-00-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance, evaluated using Atlas 14 rainfall	Project planning	200,000	70	3.20	4.81	226	3.7	5.53	0	0	0	0	0	0	0	0	0	0.86	0.63	0.45	0.27	11.23	2,268
061000277	6	City of Prairie View Master Drainage Plan	Prairie View	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	290,000	32	2.70	4.04	44	2.7	4.05	0	0	0	0	0	0	0	0	0	1.66	1.03	15.28	2.10	11.22	2,269

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
111000126	11	Travis County Voluntary Buyout Program Project Planning	Travis County	Project planning to identify and prioritize structures for elevation as flood mitigation. Elevate flood prone structures throughout unincorporated Travis County.	Project planning	300,000	7	1.71	2.57	18	2.2	3.24	0	0	0	1	1.03	2.07	0	0	0	0.10	0.08	99.04	3.24	11.21	2,270
121000069	12	LWC 42 Dreamland south of RR Xing	San Antonio	The project will consist of proposed Bridge crossing with +/- 6300 LF of total channel grading upstream and downstream and excavating to eliminate a low water crossing. Street reconstruction includes driveway approaches, curbs, and sidewalks as required	Project planning	770,000	17	2.29	3.43	44	2.7	4.05	0	0	0	1	1.03	2.07	6	2.52	1.26	0.50	0.39	0	0	11.19	2,271
151000347	15	Bayview Irrigation District - Bayview-San Roman North Pump Station	Bayview Irrigation District 11	Connect Resaca and pump station needed to move water out of Resaca	Project planning	299,040	18	2.32	3.49	22	2.3	3.42	0	0	0	0	0	0	0	0	0	0.72	0.54	199.89	3.68	11.12	2,272
041000111	4	Judson Road Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	27	2.59	3.88	233	3.7	5.56	1	0.67	1.68	0	0	0	0	0	0	0	0	0	0	11.11	2,273
121000017	12	French Creek at Guilbeau Road NWWC	San Antonio	A basic trapezoidal channel with side slopes of 3:1, representing an earthen channel	Project planning	3,823,239	27	2.59	3.88	234	3.7	5.56	0	0	0	0	0	0	5	2.33	1.17	0.64	0.49	0	0	11.09	2,274
131000146	13	Fulton East Drainage Improvements	Fulton	Collection system improvements include collection swales, inlets, drain pipes, manholes or junction boxes, and collection of the system to existing major drainage outfalls or the construction of new outfalls.	Project planning	900,000	32	2.70	4.04	56	2.8	4.27	0	0	0	0	0	0	22	3.82	1.91	1.26	0.85	0	0	11.07	2,275
031000414	3	Pecan Acres Floodway Lot Acquisitions	Flower Mound	Study for property acquisition of lots completely contained within FEMA floodway of Timber Creek within the Pecan Acres Subdivision.	Project planning	250,000	22	2.45	3.68	306	3.9	5.80	0	0	0	0	0	0	0	0	0	1.26	0.85	1.48	0.73	11.06	2,276
011000063	1	Jolly City Drainage Master Plan	Jolly	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	3	1.18	1.77	10	1.8	2.71	0	0	0	2	1.69	3.39	3	1.84	0.92	0.53	0.41	10.22	1.85	11.05	2,277
121000164	12	Abbott Road and Graytown Road at Martinez Creek Study	Bexar County	A 2D hydraulic study flood study is needed to evaluate alternatives to remove these roads from overtopping. Priority should be placed on this study due to two deaths in 2021.	Project planning	300,000	7	1.71	2.57	12	1.9	2.88	0	0	0	1	1.03	2.07	3	1.84	0.92	0.64	0.48	15.62	2.11	11.03	2,278
071000202	7	Town of Throckmorton Relocate Critical Facilities High Hazard	Throckmorton	Relocate critical facilities out of high hazard areas.	Project planning	100,000	26	2.56	3.84	27	2.4	3.61	0	0	0	0	0	0	0	0	0	1.83	1.10	27.28	2.45	11.00	2,279
061000443	6	Artesian Forest 1 - Artesian Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	40	2.84	4.26	68	3.0	4.44	0	0	0	0	0	0	0	0	0	0.90	0.65	6.58	1.58	10.94	2,280
061000444	6	Artesian Forest East - Artesian Creek Watershed	Conroe	Develop a benefits cost analysis in support of this project identied in the City of Conroe Master Drainage Plan.	Project planning	30,000	40	2.84	4.26	68	3.0	4.44	0	0	0	0	0	0	0	0	0	0.90	0.65	6.58	1.58	10.94	2,280
071000011	7	King County Initial FEMA Mapping	King County	Create FEMA Mapping in previously unmapped areas	Watershed planning	954,000	3	1.18	1.77	1	0.5	0.80	0	0	0	1	1.03	2.07	0	0	0	7.16	2.15	409.41	4.12	10.90	2,282
071000101	7	King County GIS Development	King County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	3	1.18	1.77	1	0.5	0.80	0	0	0	1	1.03	2.07	0	0	0	7.16	2.15	409.41	4.12	10.90	2,282
071000171	7	King County DCM	King County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	3	1.18	1.77	1	0.5	0.80	0	0	0	1	1.03	2.07	0	0	0	7.16	2.15	409.41	4.12	10.90	2,282
031000363	3	Western Heights Drainage Improvements	Garland	Study to determine mitigation options in order to implement Western Heights Drainage Improvements from report dated Sept 2019	Project planning	250,000	14	2.16	3.24	1228	4.7	7.06	0	0	0	0	0	0	0	0	0	0.81	0.59	0	0	10.89	2,285
041000029	4	Scottsville Drainage Master Plan	Scottsville	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	300,000	22	2.45	3.68	48	2.8	4.13	0	0	0	0	0	0	0	0	0	0.03	0.02	72.14	3.05	10.88	2,286
101000155	10	Taylor Lane Drainage Improvements	Elgin	Upgrade to stormwater drainage system in the northeastern part of the city; capacity of existing drainage infrastructure in this area is insufficient as per current city drainage requirements	Project planning	100,000	14	2.16	3.24	50	2.8	4.16	0	0	0	0	0	0	0	0	0	0.18	0.14	111.69	3.32	10.87	2,287
151000189	15	MI05 Greenlawn	Mission	3768 feet of storm sewer extension	Project planning	134,860	70	3.20	4.81	138	3.4	5.08	0	0	0	0	0	0	0	0	0	1.46	0.94	0	0	10.83	2,288
051000085	5	Hardin County Black Creek Detention Pond	Hardin County	H&H Study to develop alternatives for detention at Black Creek.	Project planning	150,000	23	2.48	3.72	11	1.9	2.80	0	0	0	0	0	0	0	0	0	7.65	2.20	14.95	2.09	10.80	2,289
151000204	15	MI16 Rosalinda	Mission	1263 feet of storm sewer upgrade and include crossing improvement on 4th St upgrading from 24" to 36" pipe	Project planning	82,872	58	3.08	4.62	150	3.4	5.16	0	0	0	0	0	0	0	0	0	0.87	0.63	0.68	0.39	10.80	2,290
101000193	10	City-wide Drainage Master Plan	La Ward	Develop a drainage master plan with a focus on local drainage issues using Atlas 14 rainfall	Watershed planning	400,000	17	2.29	3.43	17	2.1	3.19	0	0	0	0	0	0	0	0	0	1.05	0.74	133.90	3.43	10.79	2,291
081001015	8	Turkey Creek Drainage Improvements	Bryan	Detailed design of improvements throughout the Turkey Creek watershed, especially to fix erosion problems.	Project planning	222,000	14	2.16	3.24	22	2.3	3.42	0	0	0	0	0	0	9	2.92	1.46	0.49	0.38	19.42	2.25	10.75	2,292
081001020	8	South For of Turkey Creek Improvements	Bryan	Erosion control and crossing improvements along South Fork of Turkey Creek.	Project planning	61,000	14	2.16	3.24	22	2.3	3.42	0	0	0	0	0	0	9	2.92	1.46	0.49	0.38	19.42	2.25	10.75	2,292
081001040	8	Improve Undersized Storm Sewers in Turkey Creek DB	Bryan	Update modeling to Atlas 14 to determine appropriate sizing for storm sewer in the region.	Project planning	100,000	14	2.16	3.24	22	2.3	3.42	0	0	0	0	0	0	9	2.92	1.46	0.49	0.38	19.42	2.25	10.75	2,292
041000144	4	Meadowbrook Neighborhood Flooding	Overton	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	27	2.59	3.88	64	2.9	4.39	0	0	0	0	0	0	0	0	0	2.75	1.40	2.75	1.07	10.73	2,295
051000113	5	Central Gardens Ditch - Upgrade Drainage Channel	Jefferson County Drainage District 7	H&H study to identify alternatives for Central Gardens Ditch	Project planning	100,000	80	3.29	4.94	150	3.4	5.16	0	0	0	0	0	0	0	0	0	0.82	0.60	0.05	0.03	10.73	2,296
151000050	15	Canton and Dillon	Hidalgo County Drainage District 1	Local Drainage Improvements-Along Canton Road and adjacent neighborhoods	Project planning	454,000	5	1.50	2.25	10	1.8	2.71	0	0	0	0	0	0	0	0	0	5.17	1.89	273.54	3.87	10.71	2,297
101000059	10	Repair of Little Barton Creek Dam	Dripping Springs	Continue working with FEMA on repair of Little Barton Creek Dam	Project planning	100,000	5	1.50	2.25	8	1.7	2.51	0	0	0	1	1.03	2.07	0	0	0	0.08	0.07	238.33	3.78	10.68	2,298
151000161	15	MI05g Alyssa	Mission	978 feet of storm sewer upgrade	Project planning	40,400	51	3.00	4.50	126	3.3	5.00	0	0	0	0	0	0	0	0	0	1.02	0.72	0.82	0.46	10.67	2,299
061000265	6	City of Morgan's Point Master Drainage Plan	Morgan's Point	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	48	2.96	4.44	249	3.7	5.62	0	0	0	0	0	0	0	0	0	0.08	0.06	1.01	0.55	10.66	2,300
111000153	11	Caldwell County FM 1322 @ Plum Creek	Caldwell County	Evaluate bridge and roadway upgrades on FM 1322 to improve level-of-service	Project planning	50,000	2	0.94	1.40	2	0.9	1.31	0	0	0	1	1.03	2.07	0	0	0	1.77	1.08	1255.68	4.80	10.66	2,301
011000193	1	Hazelwood SD/Stephens SD/Sterling St Culvert	Borger	Perform post-project modeling to determine if project meets no negative impact requirements and complete up to 30% design	Project planning	250,000	75	3.25	4.87	137	3.4	5.08	0	0	0	0	0	0	0	0	0	0.96	0.69	0	0	10.64	2,302
041000106	4	Upper Guthrie Creek Neighborhood Flooding	Longview	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	53	3.02	4.54	417	4.1	6.08	0	0	0	0	0	0	0	0	0	0	0	0	0	10.62	2,303
151000348	15	Bayview Irrigation District - Bayview Detention Facility	Bayview Irrigation District 11	Detention facilities needed to increase holding capacity	Project planning	460,500	12	2.06	3.09	17	2.1	3.19	0	0	0	0	0	0	0	0	0	0.45	0.35	320.76	3.97	10.60	2,304
031000471	3	Tri-City Gully Improvements Study	Chambers County	Study to provide channel modifications to Tri-City Gully to improve conveyance from upstream of FM 2354 to the outfall into Trinity Bay	Project planning	100,000	9	1.88	2.81	98	3.2	4.77	0	0	0	0	0	0	0	0	0	0.39	0.31	40.88	2.70	10.59	2,305
151000187	15	ML11e Norma	Mission	1545 feet of storm sewer upgrade	Project planning	47,784	61	3.11	4.67	179	3.5	5.32	0	0	0	0	0	0	0	0	0	0.79	0.58	0	0	10.57	2,306
071300003	7	City of Abilene Little Elm Creek at S. 7th Street	Abilene	Channel improvements, enlargement of culvert under South 7th and overflow detention	Project planning	550,000	15	2.21	3.31	74	3.0	4.52	0	0	0	1	1.03	2.07	0	0	0	0.94	0.67	0	0	10.57	2,307
111000158	11	Caldwell County CR 221 and CR 233 @ Elm Creek	Caldwell County	Evaluate low-water crossing and roadway upgrades at intersection of CR 221 and CR 233 to improve level-of-service	Project planning	50,000	2	0.94	1.40	4	1.3	1.89	0	0	0	1	1.03	2.07	0	0	0	1.14	0.78	658.15	4.41	10.56	2,308
101000043	10	Barons Creek Watershed - Southwest City	Fredericksburg	Replace culverts: two 8' x 3' box culverts Add concrete channel	Project planning	150,000	9	1.88	2.81	13	2.0	2.95	0	0	0	1	1.03	2.07	0	0	0	0	0	42.40	2.72	10.55	2,309
131000059	13	Concepcion Drainage Improvements	Duval County	Improvements to drainage infrastructure in Concepcion	Project planning	150,000	16	2.25	3.37	5	1.4	2.09	0	0	0	0	0	0	9	2.92	1.46	2.98	1.46	17.06	2.17	10.55	2,310
071000052	7	City of Sweetwater DMP	Sweetwater	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	8	1.80	2.70	4	1.3	1.89	0	0	0	4	2.46	4.92	0	0	0	1.66	1.03	0	0	10.54	2,311

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
071000152	7	City of Sweetwater DCM	Sweetwater	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	8	1.80	2.70	4	1.3	1.89	0	0	0	4	2.46	4.92	0	0	0	1.66	1.03	0	0	10.54	2,311
151000118	15	City of Del Rio Project 4	Del Rio	Calaveras Creek Vitela St Off Channel Detention	Project planning	33,013	35	2.75	4.13	125	3.3	4.99	0	0	0	0	0	0	2	1.46	0.73	0.96	0.69	0	0	10.54	2,313
071000003	7	Borden County Initial FEMA Mapping	Borden County	Create FEMA Mapping in previously unmapped areas	Watershed planning	882,000	10	1.94	2.92	1	0.5	0.80	0	0	0	0	0	0	0	0	0	4.82	1.83	1591.72	4.95	10.49	2,314
071000087	7	Borden County GIS Development	Borden County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	10	1.94	2.92	1	0.5	0.80	0	0	0	0	0	0	0	0	0	4.82	1.83	1591.72	4.95	10.49	2,314
071000123	7	Borden County DCM	Borden County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	10	1.94	2.92	1	0.5	0.80	0	0	0	0	0	0	0	0	0	4.82	1.83	1591.72	4.95	10.49	2,314
131000217	13	Co-A: The Colony Subdivision Improvements	San Patricio County	1st ditch to extend from FM 2046 and outfall into exist channel, 2nd ditch to extend from CR 1272 along CR 57A to outfall into exist channel to the N. Upsize CR 57A and CR 1272 crossings; RCBs to be installed from FM 2046 to new ditch from FM 2046.	Project planning	189,000	65	3.16	4.73	69	3.0	4.46	0	0	0	0	0	0	0	0	0	0.85	0.62	1.34	0.68	10.48	2,317
031000364	3	Terrell BC1 Watershed Drainage Improvements	Terrell	Study to alleviate flooding by implementing culverts and channel improvements throughout watershed area including West End Drive, UPRR crossing, the nearby park and cemetery, and US 80	Project planning	6,640,000	2	0.94	1.40	1395	4.8	7.17	0	0	0	0	0	0	0	0	0	0.18	0.15	8.60	1.75	10.47	2,318
151000007	15	Indian Lake Action #1	Indian Lake	Elevate and harden S Resaca Shore Drive bridge to reduce risk of damages and maintaining critical access route	Project planning	92,000	38	2.81	4.21	89	3.1	4.69	0	0	0	0	0	0	0	0	0	1.75	1.07	0.88	0.49	10.45	2,319
031000362	3	Willow Creek Wilshire Blvd (SH 174) Improvements	Burleson	Study to devise channel modifications of Willow Creek to prevent flooding downstream of the Wilshire Blvd crossing	Project planning	289,000	1	0.57	0.86	1235	4.7	7.06	0	0	0	0	0	0	0	0	0	0.67	0.50	13.53	2.02	10.45	2,320
031000164	3	Chipmunk Rd Culverts Replacement	San Jacinto County, Shepherd	Evaluate alternatives to replace Chipmunk Rd culverts with a bridge	Project planning	500,000	8	1.80	2.70	40	2.6	3.96	0	0	0	0	0	0	0	0	0	0.35	0.28	150.49	3.50	10.44	2,321
041000030	4	City of Edgewood Stormwater Drain and Culvert Improvement Study	Edgewood	Feasibility study to install and upgrade undersized stormwater drains and culverts	Project planning	100,000	27	2.59	3.88	22	2.3	3.42	0	0	0	0	0	0	0	0	0	0.89	0.65	28.90	2.49	10.44	2,322
041000031	4	City of Edgewood Stormwater Detention Study	Edgewood	Feasibility study to increase drainage capacity; add stormwater detention and / or retention basins as deemed necessary to reduce flood risk upstream of Edgewood City Dami	Project planning	100,000	27	2.59	3.88	22	2.3	3.42	0	0	0	0	0	0	0	0	0	0.89	0.65	28.90	2.49	10.44	2,322
031000450	3	City of Dallas Dam Program - Forney Dam	Dallas	Study of possible rehabilitation of the Forney Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	100,000	0	0	0	50	2.8	4.16	0	0	0	0	0	0	0	0	0	9.31	2.36	294.86	3.91	10.43	2,324
101000237	10	Railroad Avenue Improvements at Upper Gilleland Creek (DMP GC-04)	Pflugerville	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	1,200,000	22	2.45	3.68	90	3.1	4.70	0	0	0	0	0	0	0	0	0	0.20	0.16	10.66	1.88	10.41	2,325
151000205	15	MI17 Taylor	Mission	4031 feet of storm sewer upgrade	Project planning	125,981	17	2.29	3.43	49	2.8	4.15	0	0	0	0	0	0	0	0	0	1.19	0.81	13.06	2.00	10.39	2,326
041000100	4	Upper Wade Creek Flooding	Longview	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	83	3.31	4.97	192	3.6	5.38	0	0	0	0	0	0	0	0	0	0	0	0	0	10.35	2,327
051000157	5	City of Beaumont Drainage Studies	Beaumont	Drainage study to evaluate new storm water and sanitary sewer lines associated with reconstruction of key areas in the city to reduce localized flooding issues.	Project planning	118,750	29	2.63	3.95	588	4.3	6.39	0	0	0	0	0	0	0	0	0	0	0	0	0	10.34	2,328
041000099	4	Longview Underpass Flooding	Longview	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	33	2.72	4.07	496	4.2	6.24	0	0	0	0	0	0	0	0	0	0	0	0	0	10.31	2,329
031000373	3	Terrell BC5 Watershed Drainage Improvements	Terrell	Study to mitigate residential sheet flow in the Terrell BC5 watershed through a storm drain added onto Brookhollow Drive, channel improvements between backyard property lines, and proposed storm drain improvements on Davidson Street .	Project planning	509,000	1	0.57	0.86	1356	4.8	7.15	0	0	0	0	0	0	0	0	0	0.69	0.52	8.86	1.77	10.29	2,330
151000012	15	Laguna Vista Action #10	Laguna Vista	Drainage Improvements: Harden and reinforce head wall along the Laguna Madre bay off Beach Boulevard	Project planning	924,000	21	2.42	3.64	39	2.6	3.94	0	0	0	0	0	0	18	3.62	1.81	0.51	0.39	0.87	0.48	10.26	2,331
111000106	11	Gillespie County Low Water Crossing Improvements Project Planning	Gillespie County	Project planning to place automatic warning signs at 35 documented low water crossings in the county	Project planning	50,000	8	1.80	2.70	22	2.3	3.42	0	0	0	0	0	0	0	0	0	0.12	0.09	347.87	4.02	10.23	2,332
031000361	3	North Delaware Creek Phases 2 & 3	Irving	Study to devise channel modifications on North Delaware Creek from upstream at Finley St downstream at Henry Dr	Project planning	3,397,000	0	0	0	3769	5.4	8.07	0	0	0	1	1.03	2.07	0	0	0	0.09	0.07	0	0	10.21	2,333
121000059	12	Helotes Creek at Bandera Road Enhanced Conveyance	San Antonio	Channel modifications were designed as a basic trapezoidal channel with side slopes of 3:1.	Project planning	907,127	29	2.63	3.95	43	2.7	4.03	0	0	0	0	0	0	7	2.67	1.33	1.34	0.89	0	0	10.20	2,334
011000146	1	Playa No. 7 Coulter/Loop 335 Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to Playa No. 7 Coulter/Loop 335 Storm Sewer. System takes flow from Playa watersheds 11 and 14 and outflows to Playa 7. Project identified from 2019 Amarillo DMP.	Project planning	250,000	6	1.62	2.42	16	2.1	3.13	0	0	0	0	0	0	0	0	0	4.11	1.71	57.41	2.91	10.18	2,335
031000365	3	DMP Phase 2: Dunlap	Waxahachie	Evaluation of culvert and channel modifications to alleviate flooding in the study area. Area expanded to include Dunlap St storm sewer, Henry St culvert, and railroad crossing to Rock Spring Branch.	Project planning	815,000	12	2.06	3.09	600	4.3	6.41	0	0	0	0	0	0	0	0	0	0.92	0.66	0	0	10.17	2,336
101000018	10	Patterson Rd & Barton's Creek	Bastrop County	Wooden Bridge Upgrade, Box-culvert bridge	Project planning	100,000	5	1.50	2.25	7	1.6	2.39	0	0	0	0	0	0	0	0	0	1.39	0.91	914.11	4.61	10.16	2,337
011000194	1	Haggard SD/Finger SD/11th St Culvert	Borger	Perform post-project modeling to determine if project meets no negative impact requirements and complete up to 30% design	Project planning	250,000	29	2.63	3.95	47	2.7	4.11	1	0.67	1.68	0	0	0	0	0	0	0.53	0.41	0	0	10.14	2,338
011000093	1	Groom City Drainage Master Plan	Groom	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	19	2.36	3.54	25	2.4	3.54	1	0.67	1.68	0	0	0	0	0	0	0.59	0.45	2.13	0.92	10.12	2,339
101000231	10	Caldwell Elementary Improvements at Upper Gilleland Creek (DMP GC-01)	Pflugerville	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	680,000	5	1.50	2.25	18	2.2	3.24	0	0	0	1	1.03	2.07	0	0	0	0.14	0.11	23.41	2.36	10.03	2,340
061000051	6	West Fork Chocolate (Cold River Ranch Ditch)	Brazoria Drainage District 4	Further study of proposed channel modifications to Cold River Ranch Ditch included in the City of Pearland master drainage plan to include Atlas 14 rainfall.	Project planning	200,000	60	3.10	4.66	56	2.8	4.27	0	0	0	0	0	0	0	0	0	1.20	0.82	0.45	0.27	10.01	2,341
151000185	15	ML11c Wernecke	Mission	1680 feet of storm sewer upgrade	Project planning	34,999	44	2.90	4.35	152	3.4	5.17	0	0	0	0	0	0	0	0	0	0.61	0.46	0	0	9.99	2,342
061000366	6	Greens Bayou - Planning, Right-of-Way Acquisition, Design and Construction of Channel Conveyance Improvements along P138-01-01	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Potential federal funded project, the risk of flooding could be reduced for approximately 100 structures in a pre-Atlas 1% rainfall event.	Project planning	30,000	41	2.86	4.29	133	3.4	5.05	0	0	0	0	0	0	0	0	0	0.59	0.45	0.33	0.20	9.98	2,343
151000194	15	MI07c Perkins	Mission	4739 feet of storm sewer upgrade and a single crossing improvement at Business 83	Project planning	165,400	33	2.72	4.07	90	3.1	4.70	0	0	0	0	0	0	0	0	0	2.15	1.21	0	0	9.98	2,344
151000128	15	City of El Cenizo	El Cenizo	Develop Flood risk maps for the city of El Cenizo and develop CIP	Watershed planning	250,000	16	2.25	3.37	66	2.9	4.42	0	0	0	0	0	0	0	0	0	1.12	0.77	4.99	1.42	9.98	2,345
071000050	7	City of Spur DMP	Spur	Emulate the City of Spur storm infrastructure. Determine level of service, recommend improvements.	Watershed planning	250,000	57	3.07	4.61	37	2.6	3.89	0	0	0	0	0	0	0	0	0	3.05	1.47	0.01	0.00	9.98	2,346
101000240	10	Town of Boling Drainage Master Plan	Wharton County	Drainage Master Plan to identify flood risk and potential mitigation actionsincluding chnanel, storm drain, and streets	Project planning	150,000	14	2.16	3.24	42	2.7	4.01	0	0	0	0	0	0	0	0	0	0.09	0.07	37.27	2.64	9.97	2,347
151000381	15	City of Rio Hondo - Rio Hondo Evacuation Center	Rio Hondo	Construct an evacuation center needed during storm event	Preparedness	389,427	4	1.36	2.04	7	1.6	2.39	0	0	0	0	0	0	3	1.84	0.92	1.59	1.00	182.46	3.62	9.96	2,348

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
151000160	15	ML05f Miller	Mission	1897 feet of storm sewer upgrade	Project planning	108,982	29	2.63	3.95	84	3.1	4.63	0	0	0	0	0	0	0	0	0	0.74	0.55	1.72	0.80	9.94	2,349
151000401	15	Willacy County Drainage District No.1 - 626L "Smith Gate" addition	Willacy County Drainage District 1	Addition of pump to move water into IBWC floodway	Project planning	252,000	5	1.50	2.25	9	1.7	2.62	0	0	0	0	0	0	0	0	0	0.37	0.29	1168.69	4.76	9.92	2,350
101000168	10	1431/281 Detention	Marble Falls	This project would be in partnership with TxDOT. TxDOT is looking at installing a right turn lane on northbound 281 onto 1431. This would require acquisition of the properties in the vicinity, as the businesses would no longer be able to function.	Project planning	150,000	5	1.50	2.25	16	2.1	3.13	0	0	0	1	1.03	2.07	0	0	0	0.12	0.10	23.44	2.36	9.91	2,351
031000439	3	Knights Branch @ Denton Dr.	Dallas	Analysis and design for crossing to determine necessary culvert size for crossing to maximize level of service and raise road if necessary	Project planning	250,000	1	0.57	0.86	0	0	0	5	1.76	4.40	1	1.03	2.07	0	0	0	12.20	2.57	0	0	9.90	2,352
031000054	3	City of Cockrell Hill DMP	Cockrell Hill	Evaluate City and identify future projects.	Watershed planning	250,000	3	1.18	1.77	3862	5.4	8.10	0	0	0	0	0	0	0	0	0	0	0	0	0	9.86	2,353
081001032	8	Brushy Creek Flood Study Extension	Bryan	Expansion of previous study to improve characterization of flood risk.	Watershed planning	92,000	7	1.71	2.57	5	1.4	2.09	0	0	0	0	0	0	4	2.12	1.06	0.20	0.16	323.59	3.97	9.85	2,354
031000396	3	Arlington Johnson Creek - JC-10 Buyouts	Arlington	Acquisition of nineteen (19) structures. No channel improvements planned. Est buyout cost = $2,126,000	Project planning	150,000	19	2.36	3.54	84	3.1	4.63	1	0.67	1.68	0	0	0	0	0	0	0	0	0	0	9.85	2,355
031000154	3	Liberty County Culverts Upgrades	Liberty County	Evaluate alternatives to reduce flooding by increasing size of culverts to 24 inches on County Rd 2361, 2362, 2363, and 2364 and CR 2358	Project planning	100,000	0	0	0	229	3.7	5.54	0	0	0	0	0	0	0	0	0	0.47	0.37	286.84	3.90	9.80	2,356
111000007	11	Caldwell County Emergency Service District #4 Fire Station 2 Project Planning	Caldwell County Emergency Service District #4	Planning for proposed project to build a swell and raise driveway of Fire Station 2 to prevent inundation of facility and to keep station in service during major storm events.	Project planning	100,000	1	0.57	0.86	2	0.9	1.31	0	0	0	1	1.03	2.07	0	0	0	1.60	1.01	835.93	4.55	9.79	2,357
091000072	9	San Angelo Goodfellow Draw Low Water Crossing Improvements	Tom Green County	Proposed 10'x5' Box culverts beneath Era Street and Evelyn avenue and channel improvements in Goodfellow Draw to allow passage of the 25-year storm. In existing conditions, there are no culverts present (2 LWCs).	Project planning	1,813,953	16	2.25	3.37	53	2.8	4.22	0	0	0	1	1.03	2.07	0	0	0	0.16	0.13	0	0	9.79	2,358
131000006	13	Camp Wood City-wide Drainage Study	Camp Wood	Camp Wood City-wide Drainage Study	Project planning	200,000	36	2.77	4.16	25	2.4	3.54	0	0	0	0	0	0	10	3.03	1.51	0.77	0.57	0	0	9.78	2,359
131000147	13	Town of Fulton Palmetto Outfall Improvements	Fulton	New storm drain pipes, inlets, and channel improvements with new outfall structure to Aransas Bay. Reduce frequency of roadway flooding and risk of property flooding in Southern Fulton, Northern Rockport, and Rockport CC/Tulle Creek area	Project planning	1,500,000	23	2.48	3.72	36	2.6	3.87	0	0	0	0	0	0	17	3.56	1.78	0.51	0.40	0	0	9.77	2,360
011000090	1	Childress City Drainage Master Plan	Childress	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	8	1.80	2.70	17	2.1	3.19	1	0.67	1.68	0	0	0	0	0	0	2.32	1.27	2.16	0.93	9.76	2,361
071000081	7	Town of Rule DMP	Rule	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	33	2.72	4.07	47	2.7	4.11	0	0	0	0	0	0	0	0	0	1.74	1.06	0.94	0.51	9.76	2,362
071000201	7	Town of Rule Stream Restoration Program	Rule	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	Project planning	250,000	33	2.72	4.07	47	2.7	4.11	0	0	0	0	0	0	0	0	0	1.74	1.06	0.94	0.51	9.76	2,362
011000095	1	Timbercreek Canyon City Drainage Master Plan	Timbercreek Canyon, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	19	2.36	3.54	36	2.6	3.87	1	0.67	1.68	0	0	0	0	0	0	0.74	0.55	0.16	0.10	9.73	2,364
151000380	15	City of Rio Hondo - Rio Hondo Drainage Improvements	Rio Hondo	Overall H&H improvements throughout city	Watershed planning	250,000	3	1.18	1.77	7	1.6	2.39	0	0	0	0	0	0	3	1.84	0.92	1.59	1.00	192.57	3.65	9.73	2,365
061000027	6	Lake Shadows Subdivision Drainage Improvements	Harris County	Further study and development of a FMP of recommended alternative 5 which includes installing the Foley trunk line downstream of the pipelines, upsizing and installing new outfalls, and installing the Belle Cote trunk line.	Project planning	280,000	41	2.86	4.29	149	3.4	5.15	0	0	0	0	0	0	0	0	0	0	0	0.48	0.28	9.72	2,366
101000183	10	South Polk Street Study	Giddings	Flooding study of South east side of the City of Giddings between South Polk Street and Madison.	Project planning	150,000	24	2.51	3.76	82	3.1	4.61	0	0	0	0	0	0	0	0	0	0.32	0.26	2.78	1.07	9.70	2,367
061000478	6	TIRZ17 Memorial City Area Detention Basin	Houston	Provides for right-of-way aquisition, design and construction of detention basins to mitigate impacts in the Memorial City Area. Cost is to perform the BCA and additional anlaysis to promote this FME to a FMP.	Project planning	30,000	43	2.89	4.33	156	3.5	5.19	0	0	0	0	0	0	0	0	0	0.22	0.18	0	0	9.70	2,368
041000098	4	Guthrie Creek Corridor Flooding	Longview	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	37	2.79	4.19	153	3.5	5.18	0	0	0	0	0	0	0	0	0	0.23	0.18	0.23	0.14	9.68	2,369
131000202	13	Risk Area 14 - County Road 61 & TX 44	Robstown	Excess runoff and backwater from Oso Creek inundate portions of TX 44 and it's intersection with Co Rd 61 and is causing mobility issues for the area.	Project planning	100,000	4	1.36	2.04	2	0.9	1.31	1	0.67	1.68	0	0	0	0	0	0	1.76	1.07	173.20	3.59	9.68	2,370
101000034	10	Lump Rd, Hilltop Rd, FM 2919 N	Kendleton	Feasibility study of LWCs	Project planning	100,000	11	2.01	3.01	14	2.0	3.01	0	0	0	0	0	0	0	0	0	0.85	0.62	69.41	3.03	9.67	2,371
101000035	10	Drainage Improvements to Crawford Outlet Right-of-Way	Kendleton	Drainage Improvements to Crawford Outlet Right-of-Way	Project planning	50,000	11	2.01	3.01	14	2.0	3.01	0	0	0	0	0	0	0	0	0	0.85	0.62	69.41	3.03	9.67	2,371
071000080	7	Town of Rochester DMP	Rochester	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	27	2.59	3.88	26	2.4	3.57	0	0	0	0	0	0	0	0	0	1.25	0.84	4.58	1.37	9.66	2,373
071000200	7	Town of Rochester Relocate Critical Facilities High Hazard	Rochester	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	Project planning	100,000	27	2.59	3.88	26	2.4	3.57	0	0	0	0	0	0	0	0	0	1.25	0.84	4.58	1.37	9.66	2,373
141000003	14	Arroyo Siphon at SH20 near Tornillo	El Paso County, EPCWID1, TXDOT	Coordinate with TXDOT to install siphon at SH20 to prevent road from overtopping and stormwater from entering EPCWID1 canal system.	Project planning	38,000	0	0	0	2126	5.0	7.56	0	0	0	0	0	0	0	0	0	0.25	0.20	10.93	1.89	9.65	2,375
061000263	6	City of Mont Belvieu Master Drainage Plan	Mont Belvieu	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	390,000	30	2.65	3.98	18	2.2	3.24	0	0	0	0	0	0	0	0	0	1.55	0.98	5.10	1.43	9.64	2,376
021000022	2	New Boston Unnamed Stream 1	City of New Boston	Debris, Vegetation Removal, and Channelization	Preparedness	250,000	22	2.45	3.68	20	2.2	3.34	0	0	0	0	0	0	0	0	0	2.23	1.24	4.63	1.37	9.63	2,377
011000137	1	Playa No. 34 Project Planning (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include adding an outfall channel. Project identified from 2019 Amarillo DMP.	Project planning	250,000	5	1.50	2.25	13	2.0	2.95	0	0	0	0	0	0	0	0	0	1.59	1.00	133.69	3.43	9.62	2,378
121000179	12	San Antonio River Flooding on US 181	Karnes County	Evaluate alternatives to mitigate US 181 flooding from the San Antonio River and tributaries	Project planning	100,000	9	1.88	2.81	4	1.3	1.89	0	0	0	0	0	0	3	1.84	0.92	0.57	0.44	163.38	3.55	9.61	2,379
061000547	6	Interurban Watershed Drainage Improvement Project	League City	Project would widen Interurban Ditch by approximately 10' starting at FM 518 and extending upstream for approximately 2,000 linear feet. A 10 to 12 acre-feet detention pond downstream of FM 518 will need to be constructed to mitigate.	Project planning	700,000	6	1.62	2.42	31	2.5	3.73	2	1.10	2.75	0	0	0	0	0	0	0.95	0.68	0.04	0.02	9.61	2,380
061000548	6	Patton Subdivision Drainage Improvements Project	League City	Evaluation of storm sewer improvements along Sanders St., West Wilkins St., and Interurban St. The storm sewer would discharge into an approximate 40 ac-ft new detention pond along W. Galveston/W. Wilkins before discharging into Interurban Ditch.	Project planning	700,000	6	1.62	2.42	31	2.5	3.73	2	1.10	2.75	0	0	0	0	0	0	0.95	0.68	0.04	0.02	9.61	2,380
151000019	15	Laguna Vista Action #5	Laguna Vista	Drainage improvements Basin "F": Install drainage system at the most southwestern part of the Town limits, bounded by State Highway 100 and State Highway 510.	Project planning	924,000	18	2.32	3.49	27	2.4	3.61	0	0	0	0	0	0	7	2.67	1.33	0.86	0.63	1.02	0.55	9.60	2,382
011000163	1	Playa 8 Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP	Watershed planning	284,000	7	1.71	2.57	20	2.2	3.34	0	0	0	0	0	0	0	0	0	1.18	0.81	53.92	2.87	9.59	2,383
011000162	1	McDonald Lake Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP	Watershed planning	282,000	13	2.11	3.17	46	2.7	4.09	0	0	0	0	0	0	0	0	0	4.36	1.75	1.02	0.55	9.56	2,384
011000143	1	McDonald Lake Project Planning - Wesley, Tripp/Van Winkle Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to McDonald Lake Study Area - Wesley, Tripp/Van Winkle Storm Sewer. Project identified from 2019 Amarillo DMP.	Project planning	250,000	13	2.11	3.17	46	2.7	4.09	0	0	0	0	0	0	0	0	0	4.36	1.75	1.02	0.55	9.56	2,385

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
011000144	1	McDonald Lake Project Planning - Walmart/ Lowes Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements to McDonald Lake Study Area - Walmart/ Lowes Storm Sewer. Project identified from 2019 Amarillo DMP.	Project planning	250,000	13	2.11	3.17	46	2.7	4.09	0	0	0	0	0	0	0	0	0	4.36	1.75	1.02	0.55	9.56	2,385
011000152	1	McDonald Lake Project Planning - Coulter Street Storm Sewer (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Improvements include adding 36" RCP parallel to several pipes, adding 6 new RCP, and replacing the 72" RCP with a 84" RCP. Project identified from 2019 Amarillo DMP.	Project planning	250,000	13	2.11	3.17	46	2.7	4.09	0	0	0	0	0	0	0	0	0	4.36	1.75	1.02	0.55	9.56	2,385
151000006	15	City of Brownsville Action #24	Brownsville	Improve drainage and replace or upgrade gutters at City Plaza buildings	Project planning	20,000	21	2.42	3.64	159	3.5	5.21	0	0	0	0	0	0	0	0	0	0.98	0.70	0	0	9.54	2,388
041000108	4	Grace Creek Flooding at US 80	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	11	2.01	3.01	128	3.3	5.01	0	0	0	0	0	0	0	0	0	1.25	0.84	1.25	0.64	9.51	2,389
061000494	6	Montgomery County MUDs 83,84 - Storm Sewer Improvements	Montgomery County MUD 83, Montgomery County MUD 84	Further define storm sewer improvements recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021), evaluate and identify potential inlet improvements.	Project planning	650,000	36	2.77	4.16	20	2.2	3.34	0	0	0	0	0	0	0	0	0	1.17	0.80	3.31	1.17	9.47	2,390
071000128	7	City of Baird Buyout Program	Baird	Develop a land acquisition program in flood hazard areas.	Project planning	1,000,000	21	2.42	3.64	39	2.6	3.94	0	0	0	0	0	0	0	0	0	5.14	1.88	0	0	9.46	2,391
071000129	7	City of Baird Higher Standards Program	Baird	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulativ	Project planning	25,000	21	2.42	3.64	39	2.6	3.94	0	0	0	0	0	0	0	0	0	5.14	1.88	0	0	9.46	2,391
101000109	10	CR 332 Drainage Improvements	Sweeny	Implement drainage improvement program along CR 332	Project planning	50,000	9	1.88	2.81	16	2.1	3.13	0	0	0	0	0	0	0	0	0	2.89	1.44	14.67	2.07	9.46	2,393
031000071	3	Sansom Park DMP	Sansom Park	Evaluate City and identify future projects.	Watershed planning	250,000	0	0	0	2707	5.2	7.77	1	0.67	1.68	0	0	0	0	0	0	0	0	0	0	9.45	2,394
071000053	7	City of Tahoka DMP	Tahoka	Evaluate City of Tahoka for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	17	2.29	3.43	26	2.4	3.57	0	0	0	0	0	0	0	0	0	8.06	2.24	0.30	0.18	9.42	2,395
101000200	10	Lake Travis/Cross Street Area Buyout Project Planning	Jonestown	Project planning for acquisition of property located in floodplain of Lake Travis and Cross St Area, or other mitigation actions. Develop technical data required for FMP.	Project planning	100,000	18	2.32	3.49	27	2.4	3.61	0	0	0	0	0	0	0	0	0	0.42	0.33	12.71	1.99	9.41	2,396
121000033	12	Update flood information and policies	Karnes County	Identify and compile information on flood hazard areas and residential property in flood zones, establish and implement a volunteer acquisition / elevation program based on FEMA protocol in association with SARA studies, and review permitting process bas	Project planning	100,000	6	1.62	2.42	159	3.5	5.21	0	0	0	0	0	0	5	2.33	1.17	0.14	0.11	0.90	0.49	9.41	2,397
121000038	12	Inventory of residences in floodplain	Karnes County	Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquistion.	Project planning	50,000	6	1.62	2.42	159	3.5	5.21	0	0	0	0	0	0	5	2.33	1.17	0.14	0.11	0.90	0.49	9.41	2,397
121000018	12	Huebner Creek Flood Control Project Segment 1	Leon Valley	The channel will be widened to 50' in front of Raymond Rimkus Park (6440 Evers Road) and then widened more from the park to the bridge.	Project planning	22,471,310	12	2.06	3.09	28	2.4	3.64	1	0.67	1.68	0	0	0	3	1.84	0.92	0.09	0.07	0	0	9.40	2,399
061000032	6	Willow Creek - Overflow Flooding between Burlington Northern Railroad and Hufsmith-Kohrville Rd. Analysis	Harris County Flood Control District	Study recommended as part of the Willow Creek Watershed Plan. Planning level analysis to identify flooding reasons in Northern Point subdivison south of SH99.	Project planning	590,000	10	1.94	2.92	8	1.7	2.51	0	0	0	1	1.03	2.07	1	0.89	0.44	0.51	0.39	2.66	1.05	9.38	2,400
041000033	4	City of Fruitvale Drainage Infrastructure Improvement Study	Fruitvale	Feasibility study to evaluate access and road conditions for response vehicles. Develop and implement options to improve access and/or add redundant access routes in high risk areas.	Project planning	200,000	4	1.36	2.04	12	1.9	2.88	0	0	0	0	0	0	0	0	0	1.73	1.06	126.89	3.40	9.37	2,401
011000199	1	2nd St - Hedgecoke to Bryan	Borger	Perform post-project modeling to determine if project meets no negative impact requirements and complete up to 30% design	Project planning	250,000	30	2.65	3.98	139	3.4	5.09	0	0	0	0	0	0	0	0	0	0.34	0.27	0	0	9.34	2,402
031000360	3	Peaks Branch Upper Basin Relief System (RL Area 13)	Dallas	Drainage relief system for Peaks Branch watershed from Buckner Park north to M Streets; continuation of Middle Peaks Branch Phases I & II	Project planning	12,219,000	0	0	0	14260	6.2	9.28	0	0	0	0	0	0	0	0	0	0	0	0	0	9.28	2,403
081000877	8	New Road to Homan Avenue Channel Improvements	Waco	Channel improvements to increase the conveyance capacity of the roadside ditch.	Project planning	300,000	17	2.29	3.43	93	3.2	4.73	0	0	0	0	0	0	0	0	0	1.72	1.05	0	0	9.21	2,404
041000102	4	Turkey Creek Tributary Neighborhood Flooding	Kilgore	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	41	2.86	4.29	113	3.3	4.90	0	0	0	0	0	0	0	0	0	0	0	0	0	9.19	2,405
131000075	13	Avenue B Drainage Channel Extension and Outfall Improvements	Ingleside	Storm sewer replacement between Humble Ave. and Mustang Ave.as well as between Mustang Ave. and Ave. B channel. Improvements from 5th St., 6th St., 7th St., and 8th St. into the improved Ave. B channel, and downstream channel excavation.	Project planning	750,000	11	2.01	3.01	45	2.7	4.07	0	0	0	0	0	0	20	3.73	1.86	0.31	0.24	0	0	9.18	2,406
101000212	10	Louise Internal Drainage Master Plan	Wharton County	Drainage System Improvements	Watershed planning	400,000	20	2.39	3.59	21	2.3	3.38	0	0	0	0	0	0	0	0	0	0.09	0.07	16.19	2.13	9.17	2,407
151000137	15	SM-102	Edinburg	Increase conveyance ease through Wisconsin and Access Road by regrading ditches. The system will continue to be extended south and will consist of a 10 foot bottom trapezoidal, earthen section with 3:1 side slopes and an approximate depth of 8 feet. Improvements currently process is acquiring a property to be used as a detention pond. Include in plan.	Project planning	185,953	8	1.80	2.70	40	2.6	3.96	0	0	0	0	0	0	0	0	0	0.16	0.13	23.16	2.35	9.15	2,408
061000490	6	City of Huntsville - Spring Lake Watershed	Huntsville	Analysis of alternatives to determine mitigation of existing flood problems	Watershed planning	300,000	38	2.81	4.21	69	3.0	4.46	0	0	0	0	0	0	0	0	0	0.52	0.40	0	0	9.07	2,409
041000127	4	Harley Ridge Road Flooding (South)	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	5	1.50	2.25	11	1.9	2.80	0	0	0	0	0	0	0	0	0	8.49	2.28	8.49	1.74	9.07	2,410
101000009	10	Pecan Shores Subdivision	Bastrop County	Voluntary buyout of homes in 100-year FP (48 homes)	Project planning	150,000	12	2.06	3.09	22	2.3	3.42	0	0	0	0	0	0	0	0	0	0.43	0.34	17.68	2.19	9.04	2,411
061000003	6	City of Arcola Regional Drainage Improvements	Arcola	Further study of proposed flood risk reduction project that includes various drainage improvement alternatives.	Project planning	233,000	41	2.86	4.29	39	2.6	3.94	0	0	0	0	0	0	0	0	0	0.22	0.18	1.23	0.63	9.04	2,412
061000124	6	Replace Existing Culverts in City of Arcola	Arcola	Evaluation of proposed culvert replacement.	Project planning	200,000	41	2.86	4.29	39	2.6	3.94	0	0	0	0	0	0	0	0	0	0.22	0.18	1.23	0.63	9.04	2,412
061000150	6	Evaluation of Reinforcement of Critical Facilities in the City of Arcola	Arcola	Reinforcement of critical facilities to withstand high winds from severe weather.	Project planning	200,000	41	2.86	4.29	39	2.6	3.94	0	0	0	0	0	0	0	0	0	0.22	0.18	1.23	0.63	9.04	2,412
061000222	6	City of Arcola Master Drainage Plan	Arcola	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	200,000	41	2.86	4.29	39	2.6	3.94	0	0	0	0	0	0	0	0	0	0.22	0.18	1.23	0.63	9.04	2,412
071000045	7	City of Newcastle DMP	Newcastle	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Determine locations for additional detention/retention basins.	Watershed planning	250,000	11	2.01	3.01	11	1.9	2.80	0	0	0	0	0	0	0	0	0	0.81	0.60	35.68	2.62	9.02	2,416
041000129	4	Middle Guthrie Creek Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	4	1.36	2.04	447	4.1	6.15	0	0	0	0	0	0	0	0	0	0.60	0.46	0.60	0.35	8.99	2,417
151000172	15	ML06j Orange	Mission	526 feet of storm sewer upgrade	Project planning	23,777	18	2.32	3.49	96	3.2	4.75	0	0	0	0	0	0	0	0	0	0.25	0.20	0.97	0.53	8.97	2,418
071000035	7	City of Amherst DMP	Amherst	Evaluate City of Amherst for a Storm Water Master Plan.	Watershed planning	250,000	13	2.11	3.17	6	1.5	2.25	0	0	0	0	0	0	0	0	0	3.09	1.49	13.94	2.04	8.95	2,419
121000077	12	Mahncke Park Outfall	San Antonio	To convey the 100-yr ultimate development and relieve the current backwater conditions. This project proposes drainage improvement to watershed SA4.To reduce clogging and increase efficiency.	Watershed planning	1,526,936	16	2.25	3.37	53	2.8	4.22	0	0	0	0	0	0	5	2.33	1.17	0.24	0.19	0	0	8.95	2,420
101000224	10	Lytton Springs Creek Near CR 174	Caldwell County	Preliminary engineering study to evaluate potential mitigation actions at low water crossing	Project planning	40,000	12	2.06	3.09	13	2.0	2.95	0	0	0	0	0	0	0	0	0	0.02	0.02	51.14	2.84	8.90	2,421

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000125	4	US 259 and Remington Neighborhood Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	3	1.18	1.77	8	1.7	2.51	0	0	0	0	0	0	0	0	0	12.67	2.60	12.67	1.98	8.86	2,422
011000174	1	Bivins Lake Dam Evaluation (City of Amarillo)	Amarillo, Randall	Evaluate Bivins Lake and dam to determine potential modifications to enhance flood control function; selected based on USACE report and stakeholder feedback	Project planning	250,000	2	0.94	1.40	3	1.1	1.64	0	0	0	0	0	0	0	0	0	1.82	1.09	1041.49	4.69	8.83	2,423
151000192	15	MI07a Farias	Mission	4171 feet of storm sewer upgrade	Project planning	233,542	10	1.94	2.92	7	1.6	2.39	0	0	0	0	0	0	0	0	0	1.02	0.72	47.55	2.79	8.82	2,424
081001067	8	Peach Creek Flood Study	College Station	Study to determine flood risk across the watershed.	Watershed planning	84,000	15	2.21	3.31	2	0.9	1.31	0	0	0	0	0	0	2	1.46	0.73	0.20	0.16	105.54	3.28	8.79	2,425
011000097	1	Lakeside City City Drainage Master Plan	Lakeside City	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs and the needs analysis	Watershed planning	250,000	22	2.45	3.68	39	2.6	3.94	0	0	0	0	0	0	0	0	0	0.01	0.00	3.13	1.14	8.76	2,426
061000259	6	City of Magnolia Master Drainage Plan	Magnolia	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	210,000	23	2.48	3.72	60	2.9	4.33	0	0	0	0	0	0	0	0	0	0.57	0.44	0.43	0.26	8.75	2,427
091000083	9	San Angelo Sul Ross Avenue and Lindenwood Drive Culvert Improvements.	Tom Green County	Proposed 9'x8' box culvert running underground along Sul Ross Avenue from Loop 306 to Lindenwood Drive, then along Lindenwood Drive to downstream storage. Excessive street flow, street flooding Sul Ross St. at Sunset Dr.	Project planning	1,037,911	4	1.36	2.04	52	2.8	4.20	0	0	0	1	1.03	2.07	0	0	0	0.56	0.43	0	0	8.74	2,428
031000374	3	Centerville Market Place Drainage Improvements	Garland	Study to determine viability of green improvements and mitigation to offset implementation of proposed alternatives from the Centerville Marketplace Report from May 2015	Project planning	250,000	0	0	0	5731	5.6	8.45	0	0	0	0	0	0	0	0	0	0.28	0.22	0	0	8.68	2,429
151000184	15	ML11b Shary B	Mission	6249 feet of storm sewer upgrade, and 856 feet of storm sewer extension	Project planning	206,790	17	2.29	3.43	91	3.1	4.71	0	0	0	0	0	0	0	0	0	0.69	0.52	0	0	8.65	2,430
131000026	13	Atascosa McMullen Hazard Mitigation Plan - City of Christine Action #2	Christine	Improve drainage in certain areas of the city that are subject to flooding and conduct a study to identify deficiencies in current land development code for future developments.	Project planning	350,000	15	2.21	3.31	13	2.0	2.95	0	0	0	0	0	0	18	3.62	1.81	0.78	0.58	0	0	8.64	2,431
101000066	10	County Road 480	Jackson County	Strengthen County Road 480 with development of headwall	Project planning	100,000	10	1.94	2.92	16	2.1	3.13	0	0	0	0	0	0	0	0	0	0.61	0.47	14.56	2.07	8.59	2,432
031000149	3	Grapeland Critical Facilities Floodproofing Assessment	Grapeland	Assess flood proofing critical facilities to the 500-year flood that are located in flood-prone areas of the city in Region 3	Project planning	150,000	14	2.16	3.24	50	2.8	4.16	0	0	0	0	0	0	0	0	0	0.03	0.03	3.15	1.14	8.58	2,433
061000286	6	City of Spring Valley Village Master Drainage Plan	Spring Valley Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	160,000	22	2.45	3.68	69	3.0	4.46	0	0	0	0	0	0	0	0	0	0.57	0.44	0	0	8.57	2,434
031000397	3	Arlington Johnson Creek - JC-12 Buyouts	Arlington	Removal of four (4) structues in the 100-year floodplain along stream JC-11. No channel improvements planned. Est buyout cost = $1,599,000	Project planning	150,000	6	1.62	2.42	44	2.7	4.05	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	8.54	2,435
131000190	13	North 17th Street and Corral Avenue Intersection Drainage Improvements (Kingsville Project Location 9)	Kingsville	Street flooding and standing water. No storm sewer on 17th St and other areas to the south. Undersized storm system. Street does not have capacity for design storm. Propose Storm sewer in 17th St and improvements to storm and inlets in Corral Ave.	Project planning	900,000	12	2.06	3.09	106	3.2	4.84	0	0	0	0	0	0	0	0	0	0.77	0.57	0	0	8.50	2,436
041000121	4	Grace Creek at Freemont Street Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	6	1.62	2.42	19	2.2	3.29	0	0	0	0	0	0	0	0	0	3.43	1.57	3.43	1.19	8.47	2,437
151000343	15	West Bayview Drainage Improvement Phase IV	Cameron County	Ditch maintenance and improvements, increase culvert size where needed , .5mi W of FM 803 to .5mi E of FM 3609 along FM 510 &~1mi N along FM 803	Project planning	622,527	5	1.50	2.25	11	1.9	2.80	0	0	0	0	0	0	0	0	0	0.15	0.12	109.79	3.31	8.47	2,438
011000096	1	Electra City Drainage Master Plan	Electra	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	7	1.71	2.57	11	1.9	2.80	0	0	0	0	0	0	0	0	0	1.73	1.06	13.39	2.02	8.45	2,439
041000156	4	Patio Street Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	21	2.42	3.64	102	3.2	4.81	0	0	0	0	0	0	0	0	0	0	0	0	0	8.44	2,440
151000016	15	Laguna Vista Action #2	Laguna Vista	Drainage improvements Basin "C": Install upgraded drainage system for 60 acre residential area. Current system is inadequate to carry storm water runoff.	Project planning	924,000	15	2.21	3.31	19	2.2	3.29	0	0	0	0	0	0	10	3.03	1.51	0.39	0.30	0	0	8.42	2,441
031000513	3	Floodplain Mapping Updates of Wichita Chase Tributary	Flower Mound	Floodplain mapping updates of Wichita Chase Tributary. Establish BFE's and convert Zone A to Zone AE via a LOMR.	Watershed planning	60,000	0	0	0	704	4.4	6.56	0	0	0	0	0	0	0	0	0	0.05	0.04	9.53	1.81	8.40	2,442
131000167	13	Bed-Material Entrainment in selected Streams of the Edwards Plateau----Edwards, Kimble, and Real Counties, Texas, and Vicinity	Edwards County, Real	A study whereby an assessment method is developed in order to assess Low Water Crossings on a site by site basis and, from this assessment, develop a means to avoid or reduce the damage associated with bed material entrainment will be pursued.	Project planning	125,000	1	0.57	0.86	0	0	0	0	0	0	4	2.46	4.92	5	2.33	1.17	0.80	0.59	1.93	0.87	8.40	2,443
101000197	10	La Salle Erosion Control Structure Project Planning	Jackson County	Project planning for project to replace erosion control structure. Develop technical data required for FMP.	Project planning	40,000	3	1.18	1.77	2	0.9	1.31	0	0	0	0	0	0	0	0	0	1.86	1.11	480.69	4.21	8.40	2,444
011000197	1	Monroe Basin	Borger	Perform post-project modeling to determine if project meets no negative impact requirements and complete up to 30% design	Project planning	250,000	32	2.70	4.04	46	2.7	4.09	0	0	0	0	0	0	0	0	0	0.32	0.26	0	0	8.39	2,445
041000103	4	Elm Branch Flooding	Longview	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	18	2.32	3.49	36	2.6	3.87	0	0	0	0	0	0	0	0	0	0.79	0.58	0.79	0.44	8.38	2,446
041000120	4	Florence Street Neighborhood Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	25	2.54	3.80	55	2.8	4.25	0	0	0	0	0	0	0	0	0	0.22	0.18	0.22	0.13	8.36	2,447
151000377	15	City of Rio Hondo - Rio Hondo Connectivity	Rio Hondo	Need to develop channel/connectivity either north to Arroyo Colorado or South to Rio Grande River	Project planning	219,505	2	0.94	1.40	2	0.9	1.31	0	0	0	0	0	0	5	2.33	1.17	1.16	0.80	201.83	3.68	8.35	2,448
081000669	8	Burton Creek Trib C Improvements	Bryan	2-9'x5' box culverts are needed to replace the existing culverts in order to convey the 50-year storm event per the TxDOT design requirement. Channel widening and re-grading may be necessary to mitigate any adverse impacts. Detailed design for the 100-y#	Project planning	100,000	20	2.39	3.59	49	2.8	4.15	0	0	0	0	0	0	1	0.89	0.44	0.16	0.13	0	0	8.31	2,449
121000143	12	Trumbo Rd at Palo Blanco Creek (DC-MRP)	Medina County	Upgrades to Trumbo Rd and Loop 1604 crossings at Palo Blanco Creek with channel work.	Project planning	100,000	13	2.11	3.17	39	2.6	3.94	0	0	0	0	0	0	2	1.46	0.73	0.35	0.28	0.27	0.17	8.28	2,450
041000115	4	Eden Drive Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	15	2.21	3.31	119	3.3	4.95	0	0	0	0	0	0	0	0	0	0	0	0	0	8.26	2,451
031000302	3	Whites Branch at Langdon Road	Dallas	Evaluate bridge improvements for Langdon Road over Whites Branch	Project planning	250,000	0	0	0	302	3.9	5.79	0	0	0	0	0	0	0	0	0	0.27	0.22	19.33	2.24	8.25	2,452
061000275	6	City of Plantersville Master Drainage Plan	Plantersville	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	28	2.61	3.91	20	2.2	3.34	0	0	0	0	0	0	0	0	0	0.61	0.46	0.95	0.52	8.23	2,453
091000138	9	Southwest_Andrews_Playa	Entity ID 09000102 not found in Entities feature class	Proposed excavation in playa located South of FM 1910 and East of new SW Mustang Dr. Approximate 183,000 cu-yd. of removed earth material. Project aims to maintain existing floodplain to account for anticipated development.	Project planning	84,000	14	2.16	3.24	26	2.4	3.57	0	0	0	0	0	0	0	0	0	0.36	0.29	3.05	1.12	8.22	2,454
111000052	11	City of Nixon Voluntary Buyout Program Project Planning	Nixon	Project planning to develop and implement a program to buyout NFIP repetitive loss properties.	Project planning	150,000	13	2.11	3.17	22	2.3	3.42	0	0	0	0	0	0	0	0	0	0.10	0.08	6.22	1.55	8.22	2,455

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000131	4	Lakeport Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	16	2.25	3.37	16	2.1	3.13	0	0	0	0	0	0	0	0	0	1.53	0.97	1.53	0.74	8.22	2,456
041000141	4	Grace Creek at Loop 281 Flooding (North)	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	4	1.36	2.04	229	3.7	5.54	0	0	0	0	0	0	0	0	0	0.44	0.34	0.44	0.26	8.18	2,457
041000138	4	Coleman Drive Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	27	2.59	3.88	58	2.9	4.30	0	0	0	0	0	0	0	0	0	0	0	0	0	8.18	2,458
021000037	2	Stream WC-1	City of Texarkana	Street flooding near McKnight and Jonathan Street. Storm drain system evaluation and development of alternatives to increase community access for 40-50 houses.	Project planning	250,000	8	1.80	2.70	31	2.5	3.73	0	0	0	0	0	0	0	0	0	0.52	0.40	4.31	1.33	8.17	2,459
131000210	13	Risk Area 02 - Westwood Estates	Robstown	Sweetwater Rd becomes very inundated with runoff from Agua Dulce Creek and Banquette Creek. Much of flooding of the rest of the area is runoff from Agua Dulce creek and local drainage issues.	Project planning	150,000	0	0	0	0	0	0	4	1.59	3.98	0	0	0	0	0	0	0.51	0.39	234.73	3.77	8.15	2,460
131000087	13	Brawner Outfall Improvements	Corpus Christi	Inspect the Brawner Outfall system and assess needed repairs, design improvements, and construct necessary repairs and upgrades to accommodate future flows to prevent flooding and improve water quality.	Project planning	459,000	7	1.71	2.57	21	2.3	3.38	0	0	0	0	0	0	8	2.80	1.40	1.09	0.76	0.04	0.02	8.14	2,461
071000082	7	Town of Woodson DMP	Woodson	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	10	1.94	2.92	25	2.4	3.54	0	0	0	0	0	0	0	0	0	0.30	0.24	5.16	1.44	8.13	2,462
071000203	7	Town of Woodson Stream Restoration Program	Woodson	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	Project planning	250,000	10	1.94	2.92	25	2.4	3.54	0	0	0	0	0	0	0	0	0	0.30	0.24	5.16	1.44	8.13	2,462
011000080	1	Lefors City Drainage Master Plan	Lefors	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	250,000	18	2.32	3.49	28	2.4	3.64	0	0	0	0	0	0	0	0	0	0.70	0.53	0.84	0.47	8.12	2,464
011000106	1	City of Lefors GIS Development	Lefors	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	18	2.32	3.49	28	2.4	3.64	0	0	0	0	0	0	0	0	0	0.70	0.53	0.84	0.47	8.12	2,464
121000099	12	Upper Martinez Creek Improvements	San Antonio	Improvements to already channelized section of Martinez Creek (Cibolo Watershed) from Montgomery Dr to Walzem Rd and bridge improvements at Gibbs Sprawl Road	Project planning	1,673,872	18	2.32	3.49	51	2.8	4.18	0	0	0	0	0	0	1	0.89	0.44	0.00	0.00	0	0	8.12	2,466
121000081	12	Damage Center 38-Olmos Creek Lower Reach Near Montview	San Antonio	Flooding occurs on the left overbank and begins just upstream of Montview. A total of 10 lots are impacted by the 100-year storm event and the depth of flooding ranges between 0.10 and 0.15 feet.Flood depths are less than 0.5 feet; therefore	Project planning	250,000	8	1.80	2.70	51	2.8	4.18	0	0	0	0	0	0	3	1.84	0.92	0.39	0.31	0	0	8.11	2,467
131000191	13	Carriage Park 2 Subdivision Drainage Improvements	Kingsville	Existing storm sewer system to be upgraded to larger pipes, boxes, inlets, and line extensions.	Project planning	600,000	18	2.32	3.49	42	2.7	4.01	0	0	0	0	0	0	0	0	0	0.24	0.19	0.71	0.41	8.09	2,468
151000086	15	Risk Area 11 Rancho Escondido	Eagle Pass	Project includes constructing 10'x2' U-shaped channel from Flores Drive to just south of Microtel Inn Suites, replacing existing culvert under Mazza Drive with 1-8'x4 RCB, and installing curb inlet at cul-de-sac on Nancy Drive.	Project planning	137,000	16	2.25	3.37	74	3.0	4.52	0	0	0	0	0	0	0	0	0	0.24	0.19	0	0	8.08	2,469
011000196	1	Garrett SD/Peiffer SD/Teague SD	Borger	Perform post-project modeling to determine if project meets no negative impact requirements and complete up to 30% design	Project planning	250,000	23	2.48	3.72	46	2.7	4.09	0	0	0	0	0	0	0	0	0	0.33	0.26	0	0	8.08	2,470
121000174	12	Overbrook Outfall Drainage Project Phase 3	San Antonio	Upsizing the existing 9' RCP and two 12'x9' RCBs to capture 100-year flood event south of Overbrook Drive.	Project planning	250,000	11	2.01	3.01	30	2.5	3.70	0	0	0	0	0	0	4	2.12	1.06	0.39	0.31	0	0	8.07	2,471
131000090	13	Corpus Christi Police Headquarters Flood Proofing	Corpus Christi	COASTAL BEND MITIGATION ACTION PLAN - NU - 33 - The automatic generator transfer switch is located in a control room on the ground floor of the building, which is in an area vulnerable to street flooding. Project intends to elevate power transfer switch.	Project planning	7,000	1	0.57	0.86	229	3.7	5.54	1	0.67	1.68	0	0	0	0	0	0	0	0	0	0	8.07	2,472
061000477	6	Drainage and Paving Improvements for Cottage Grove East - Phase II	Houston	Phase 2 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, TC Jester, and Durham Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	27	2.59	3.88	30	2.5	3.70	0	0	0	0	0	0	0	0	0	0.65	0.49	0	0	8.07	2,473
151000092	15	Risk Area 4 Bibb & Misty Willow storm drain	Eagle Pass	Project includes installing 6'x4' RCB along Misty Willow Drive from N Bibb Avenue to existing channel between N Bibb Avenue and Timber Valley and installing curb inlets on N Bibb Avenue and Misty Willow Drive.	Project planning	48,000	17	2.29	3.43	56	2.8	4.27	0	0	0	0	0	0	0	0	0	0.45	0.35	0	0	8.04	2,474
131000192	13	Lake Shore Estates Master Drainage Plan	Lytle	City anticipates tripling homes in their jurisdiction in the next 5-10yrs. Project to develop a drainage master plan for the Lake Shore Estates and implement the structural and non-structural solutions to mitigate flooding.	Watershed planning	250,000	3	1.18	1.77	8	1.7	2.51	0	0	0	0	0	0	2	1.46	0.73	0.02	0.02	65.81	2.99	8.02	2,475
041000116	4	Coushatta Hills Creek Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	21	2.42	3.64	42	2.7	4.01	0	0	0	0	0	0	0	0	0	0.24	0.19	0.24	0.15	7.98	2,476
061000264	6	City of Montgomery Master Drainage Plan	Montgomery	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	250,000	27	2.59	3.88	7	1.6	2.39	0	0	0	0	0	0	0	0	0	0.87	0.63	2.73	1.06	7.96	2,477
131000188	13	19th Street from East Lott Avenue to Maple Street Drainage Improvements (Kingsville Project Location 2)	Kingsville	19th St and side streets become impassable and driveways difficult to enter. No inlets or storm sewer in area of interest and undersized facilities downstream. Propose inlets on 19th St and side streets with culvert to bypass Lott & 20th St.	Project planning	300,000	21	2.42	3.64	41	2.7	3.98	0	0	0	0	0	0	0	0	0	0.44	0.34	0	0	7.96	2,478
121000168	12	North Benton City Road Improvements Study	Von Ormy	Study to improve the road and remove it from being flooded during heavy rains.	Project planning	150,000	7	1.71	2.57	6	1.5	2.25	0	0	0	1	1.03	2.07	3	1.84	0.92	0.17	0.14	0	0	7.95	2,479
151000176	15	ML060 Solar	Mission	2543 feet of storm sewer upgrade	Project planning	110,030	11	2.01	3.01	29	2.4	3.67	0	0	0	0	0	0	0	0	0	0.90	0.65	1.12	0.59	7.92	2,480
051000074	5	City of Lumberton Drainage Chance Cut Off Concrete Lining	Lumberton	H&H Study to identify alternatives for improving existing drainage of Chance Cut Off	Project planning	50,000	10	1.94	2.92	71	3.0	4.48	0	0	0	0	0	0	0	0	0	0.27	0.22	0.51	0.30	7.91	2,481
111000154	11	Caldwell County CR 146 @ Plum Creek	Caldwell County	Evaluate bridge, low-water crossing, and roadway upgrades on CR 146 to improve level-of-service	Project planning	50,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	1.62	1.01	1264.97	4.81	7.89	2,482
041000122	4	Secretariat Trail Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	11	2.01	3.01	110	3.3	4.88	0	0	0	0	0	0	0	0	0	0	0	0	0	7.89	2,483
061000086	6	Property Protection, Structural Project	New Waverly	Generate base flood elevation data for flood map revisions. Use floodplain study to identify future mitigation activities to improve water ways and flood carrying capacities. Area to include approximately 4 miles of floodway in New Waverly.	Watershed planning	2,500,000	23	2.48	3.72	19	2.2	3.29	0	0	0	0	0	0	0	0	0	0.48	0.37	0.89	0.49	7.88	2,484
061000116	6	Remedy Data Deficiency in City of New Waverly	New Waverly	Conduct a proper risk assessment of the dams residents suspect are causing upstream flooding, and determine all potential inundation areas.	Watershed planning	100,000	23	2.48	3.72	19	2.2	3.29	0	0	0	0	0	0	0	0	0	0.48	0.37	0.89	0.49	7.88	2,484
061000267	6	City of New Waverly Master Drainage Plan	New Waverly	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	23	2.48	3.72	19	2.2	3.29	0	0	0	0	0	0	0	0	0	0.48	0.37	0.89	0.49	7.88	2,484

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000150	4	Lake Lamond	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	178	3.5	5.31	0	0	0	0	0	0	0	0	0	1.50	0.96	1.50	0.73	7.86	2,487
131000211	13	Risk Area 30 - Petronila Creek Environmental Study	Nueces County, Kleberg	Water quality analysis needed for Petronilla creek where it enters Baffin Bay in Kleburg County. Implement water quality gauges at several locations along Petronila Creek.	Project planning	250,000	2	0.94	1.40	1	0.5	0.80	1	0.67	1.68	0	0	0	0	0	0	0	0	326.79	3.98	7.85	2,488
041000123	4	Lorraine Court Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	21	2.42	3.64	50	2.8	4.16	0	0	0	0	0	0	0	0	0	0	0	0	0	7.80	2,489
091000109	9	Town of Loraine Drainway Project Planning	Mitchell County	Identify scope of drainways project to remove soil caused by runoff in roadside ditches. Evaluate and study size and number of culverts to minimize drainage projects.	Watershed planning	25,000	9	1.88	2.81	6	1.5	2.25	0	0	0	0	0	0	0	0	0	5.39	1.92	1.73	0.81	7.79	2,490
111000012	11	City of Buda Dam Study	Buda	Study to evaluate dam failure risks, planning for structural and nonstructural measures to protect the integrity of the earthen fill dams.	Preparedness	500,000	3	1.18	1.77	3	1.1	1.64	0	0	0	1	1.03	2.07	0	0	0	0.86	0.63	7.74	1.68	7.79	2,491
091000139	9	Northwest_Andrews_Playa	Entity ID 09000102 not found in Entities feature class	Proposed excavation in playa located South of Taylor and West of new 5th Street (FM301). Approximate 53,000 cu.yd. of removed earth material. Project aims to maintain existing floodplain to account for anticipated development.	Project planning	84,000	15	2.21	3.31	7	1.6	2.39	0	0	0	0	0	0	0	0	0	1.45	0.94	3.19	1.15	7.79	2,492
071000055	7	City of Tye DMP	Tye	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	5	1.50	2.25	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.61	0.46	62.88	2.97	7.77	2,493
071000154	7	City of Tye Buyout Program	Tye	Develop a land acquisition program in flood hazard areas.	Project planning	500,000	5	1.50	2.25	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.61	0.46	62.88	2.97	7.77	2,493
071000155	7	City of Tye Floodplain Open Space Program	Tye	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	500,000	5	1.50	2.25	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.61	0.46	62.88	2.97	7.77	2,493
071000078	7	Town of Buffalo Gap DMP	Buffalo Gap	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate areas with repetitive losses. Recommend mitigation needs.	Watershed planning	250,000	18	2.32	3.49	16	2.1	3.13	0	0	0	0	0	0	0	0	0	1.46	0.94	0.27	0.17	7.73	2,496
151000093	15	Risk Area 5 Debona Drive	Eagle Pass	Project includes constructing a 5' deep trapezoidal channel approximately 30 feet wide with 3:1 side slopes and a 5' concrete pilot channel, replacing Juarez Street culvert with 8'x4' box culvert, and realigning existing channel to provide additional distance from homes.	Project planning	54,000	3	1.18	1.77	51	2.8	4.18	0	0	0	0	0	0	4	2.12	1.06	1.00	0.71	0	0	7.72	2,497
031000015	3	Hood County FEMA Mapping	Hood County	Create FEMA mapping in previously unmapped areas and update existing FEMA maps as needed.	Watershed planning	539,000	0	0	0	56	2.8	4.27	0	0	0	0	0	0	0	0	0	0	0	136.89	3.44	7.71	2,498
041000107	4	Harris Creek at US 80 Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	9	1.88	2.81	40	2.6	3.96	0	0	0	0	0	0	0	0	0	0.70	0.53	0.70	0.40	7.70	2,499
021000054	2	City of Ector Property Buyout	City of Ector	Acquire flood-prone properties for use as park areas.	Other	250,000	15	2.21	3.31	13	2.0	2.95	0	0	0	0	0	0	0	0	0	0.81	0.59	1.83	0.84	7.69	2,500
061000288	6	City of Stagecoach Master Drainage Plan	Stagecoach	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	160,000	18	2.32	3.49	27	2.4	3.61	0	0	0	0	0	0	0	0	0	0.77	0.57	0.01	0.01	7.67	2,501
041000105	4	Tammy Lynn Drive Neighborhood Flooding	Longview	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	10	1.94	2.92	59	2.9	4.31	0	0	0	0	0	0	0	0	0	0.28	0.22	0.28	0.17	7.62	2,502
041000118	4	Whispering Pines Roadway Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	20	2.39	3.59	43	2.7	4.03	0	0	0	0	0	0	0	0	0	0	0	0	0	7.62	2,503
151000388	15	City of Rio Hondo - Rio Hondo Dam Repair	Rio Hondo	Repair and rehabilitate the Dam that holds Resaca water and connects City to park on the peninsula	Project planning	160,751	2	0.94	1.40	2	0.9	1.31	0	0	0	0	0	0	3	1.84	0.92	0.51	0.39	173.62	3.59	7.61	2,504
041000132	4	Oak Creek Tributary Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	15	2.21	3.31	58	2.9	4.30	0	0	0	0	0	0	0	0	0	0	0	0	0	7.61	2,505
151000196	15	MI10a Melba Carter	Mission	1449 feet of storm sewer upgrade and an extension of storm sewer of 997 feet. Channel improvements of 2224 feet and two crossing improvements locations.	Project planning	264,427	8	1.80	2.70	20	2.2	3.34	0	0	0	0	0	0	0	0	0	0.60	0.46	2.74	1.06	7.56	2,506
151000031	15	Dimmit County	Dimmit County	Develop Flood risk maps for the county of Dimmit and develop CIP	Watershed planning	250,000	3	1.18	1.77	1	0.5	0.80	0	0	0	0	0	0	0	0	0	0.79	0.58	647.12	4.40	7.54	2,507
131000216	13	Lc-A: Park Road 25 Improvements	Lake City	Project consists of three 36" RCPs installed beneath Park Road 25, grading of a trapezoidal channel along Park Road 25 and Bayview Drive, and installation of two 3' X 3' RCBs under Bayview Drive to Lake Corpus Christi.	Project planning	56,000	18	2.32	3.49	33	2.5	3.79	0	0	0	0	0	0	0	0	0	0.16	0.13	0.22	0.14	7.54	2,508
031000068	3	City of Trinidad DMP	Trinidad	Evaluate City and identify future projects.	Watershed planning	250,000	0	0	0	378	4.0	5.99	0	0	0	0	0	0	0	0	0	3.31	1.54	0	0	7.53	2,509
151000249	15	Deta Regional Water Management - Engleman Detention Pond/Reservoir	Hidalgo County Drainage District 1	a regional detention facility at the Engleman (Carlton Barth) Irrigation Reservoir, expanding the footprint to approximately 77 acres for flood mitigation and water storage.	Project planning	1,200,000	8	1.80	2.70	32	2.5	3.76	0	0	0	0	0	0	2	1.46	0.73	0.31	0.24	0.15	0.09	7.53	2,510
151000116	15	City of Del Rio Project 2	Del Rio	Calaveras Creek Plaza / W. Viesca St. Road/Culvert Improvement	Project planning	33,011	10	1.94	2.92	33	2.5	3.79	0	0	0	0	0	0	2	1.46	0.73	0.11	0.09	0	0	7.52	2,511
101000004	10	Gozier Trace Low Water Crossing	Bastrop County	Replace LWCs with box culverts	Project planning	100,000	2	0.94	1.40	3	1.1	1.64	0	0	0	0	0	0	0	0	0	1.34	0.89	162.91	3.55	7.49	2,512
151000264	15	Drainage Masterplan	Edcouch	Assessment of the city's drainage infrastructure to determine improvements and alleviate flooding.	Watershed planning	18,000	2	0.94	1.40	6	1.5	2.25	0	0	0	0	0	0	2	1.46	0.73	0.07	0.06	67.36	3.01	7.45	2,513
121000177	12	City of Kenedy Flooding on Escondido Creek Tributary	Karnes County	Evaluate alternatives to mitigate flooding within City of Kenedy commercial area along Escondido Creek tributary	Project planning	100,000	10	1.94	2.92	23	2.3	3.46	0	0	0	0	0	0	3	1.84	0.92	0.10	0.08	0.05	0.03	7.40	2,514
131000109	13	Stormwater Master Plan #9 - Bayshore Court Outfall	Ingleside on the Bay	Positive drainage from stormwater ditch to bay to be improved by site and channel regrading and installation of RCP to provide direct outfalls for low lying areas to the bay.	Project planning	14,000	13	2.11	3.17	22	2.3	3.42	0	0	0	0	0	0	2	1.46	0.73	0.10	0.08	0	0	7.40	2,515
151000040	15	Mile 2 E & Expy 83	Hidalgo County Drainage District 1	Local Drainage Improvements- North of Interstate 2 and West of Mile 2 1/2	Project planning	215,000	2	0.94	1.40	7	1.6	2.39	0	0	0	0	0	0	0	0	0	0.58	0.44	82.22	3.13	7.37	2,516
101000016	10	Hall Rd & Young's Branch	Bastrop County	Upgrade Box-culvert bridge	Project planning	100,000	2	0.94	1.40	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0.21	0.17	418.55	4.13	7.34	2,517
151000243	15	City of Harlingen - Quail Run Street Storm Sewer Improvement Project	Harlingen	City of Harlingen - Quail Run Street Storm Sewer Improvement Project	Project planning	24,000	9	1.88	2.81	25	2.4	3.54	0	0	0	0	0	0	0	0	0	1.32	0.88	0.19	0.11	7.34	2,518
121000022	12	LWC 100, Blakeley Area Drainage Improvement	San Antonio	This option consists of upsizing the Blakeley crossing to (3) 6'x3' RCB and providing a 7' bottom width concrete trap channel with 3:1 side slopes upstream of the crossing.	Project planning	269,346	5	1.50	2.25	8	1.7	2.51	0	0	0	1	1.03	2.07	1	0.89	0.44	0.05	0.04	0	0	7.32	2,519
041000166	4	FM 3053/1639 Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86.93	4.15	86.93	3.16	7.31	2,520
151000051	15	FM 1925 and Mile 4	Hidalgo County Drainage District 1	Local Drainage Improvements-Along Bernal Court	Project planning	144,000	5	1.50	2.25	9	1.7	2.62	0	0	0	0	0	0	0	0	0	0	0	26.34	2.43	7.30	2,521
071000042	7	City of Moran DMP	Moran	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	18	2.32	3.49	16	2.1	3.13	0	0	0	0	0	0	0	0	0	0.88	0.64	0	0	7.26	2,522

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
071000142	7	City of Moran Floodproof Sewage Plant Program	Moran	Flood-proof sewage treatment plants in flood hazard / low-lying areas.	Project planning	100,000	18	2.32	3.49	16	2.1	3.13	0	0	0	0	0	0	0	0	0	0.88	0.64	0	0	7.26	2,522
071000143	7	City of Moran New Ordinance - Detention	Moran	Adopt on-site detention basin program. Detained water to be considered for fire fighting.	Other	100,000	18	2.32	3.49	16	2.1	3.13	0	0	0	0	0	0	0	0	0	0.88	0.64	0	0	7.26	2,522
121000095	12	FM 1863 at Cibolo Creek LWC	Bexar County	Replace low water crossings at two locations(US &DS) where FM1863 crossing Cibolo Creek with bridges.	Project planning	150,000	1	0.57	0.86	3	1.1	1.64	0	0	0	2	1.69	3.39	1	0.89	0.44	0.81	0.60	0.55	0.32	7.25	2,525
101000232	10	Pflugerville Storm Drain CCTV Evaluation (DMP Pf-03)	Pflugerville	Assess the existing storm drain infrastructure within Pflugerville's business district utilizing closed-circuit television inspection. Analyze approximately 11,000" of storm drain infrastructure to develop a storm drain maintenance and improvement plan	Project planning	250,000	10	1.94	2.92	10	1.8	2.71	0	0	0	0	0	0	0	0	0	0	0	7.01	1.62	7.25	2,526
031000367	3	Village Creek CR 802 (east) Improvements	Burleson	Evaluation of possible culvert improvements to prevent overtopping of CR 802 at Village Creek crossings	Project planning	569,000	1	0.57	0.86	12	1.9	2.88	0	0	0	1	1.03	2.07	0	0	0	0.06	0.05	4.81	1.40	7.25	2,527
121000074	12	New Sulphur Springs – East of Lodi Rd	San Antonio	This project will install a cross arm/barricade at the LWC. Construction of a bridge or culvertinstallation	Project planning	430,558	3	1.18	1.77	12	1.9	2.88	0	0	0	1	1.03	2.07	1	0.89	0.44	0.10	0.08	0	0	7.24	2,528
131000140	13	Morgan Avenue & Mooney Avenue Drainage Improvements	Ingleside	2,500 LF of improved channels and below ground concrete boxes. The project would also include easement acquisition and the crossing of both SH 361 and the UP Railroad and concrete outfall. Addresses the flood prone Mooney-Morgan area.	Project planning	525,000	2	0.94	1.40	7	1.6	2.39	1	0.67	1.68	0	0	0	5	2.33	1.17	0.72	0.54	0.07	0.04	7.22	2,529
051000071	5	City of Lumberton Adler Ditch Drainage Improvements	Lumberton	H&H Study to identify alternatives for improving existing drainage of Adler Ditch	Project planning	100,000	2	0.94	1.40	27	2.4	3.61	0	0	0	0	0	0	0	0	0	0	0	17.75	2.19	7.20	2,530
041000169	4	McKay Street Overtopping	Overton	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	43.42	3.59	43.42	2.74	7.19	2,531
121000172	12	Trainer Hale at Cibolo Creek	Bexar County, Guadalupe	Improvements on Low water crossing at Trainer Hale Rd and Cibolo Creek	Project planning	150,000	3	1.18	1.77	1	0.5	0.80	0	0	0	1	1.03	2.07	1	0.89	0.44	0.74	0.55	6.16	1.54	7.18	2,532
061000281	6	City of Shenandoah Master Drainage Plan	Shenandoah	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	10	1.94	2.92	45	2.7	4.07	0	0	0	0	0	0	0	0	0	0.02	0.02	0.26	0.16	7.16	2,533
061000143	6	City of Todd Mission Reduction of Floodplain Area Roads and Drainage Upgrade	Todd Mission	Analysis of potential upgrades to be made to floodplain-area roads and drainage to reduce flood risk.	Project planning	220,000	17	2.29	3.43	16	2.1	3.13	0	0	0	0	0	0	0	0	0	0	0	1.12	0.59	7.16	2,534
061000293	6	City of Todd Mission Master Drainage Plan	Todd Mission	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	190,000	17	2.29	3.43	16	2.1	3.13	0	0	0	0	0	0	0	0	0	0	0	1.12	0.59	7.16	2,534
041000133	4	S Whatley Road Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	1	0.5	0.80	0	0	0	0	0	0	0	0	0	24.06	3.12	24.06	2.38	7.15	2,536
061000440	6	Brazoria County Camp Mohawk County Park Development	Brazoria County	Develop Benefit Cost Analysis in support of the purchase of approximately 160 acres of flood prone area adjacent to and surrounding Camp Mohawk County Park to be used as open space.	Project planning	30,000	10	1.94	2.92	12	1.9	2.88	0	0	0	0	0	0	0	0	0	0.34	0.27	2.86	1.09	7.15	2,537
081000934	8	Low Water Crossing Monitoring & Mitigation	Jarrell	Install automated warning devices or elevate 2 low water crossings on CR 305.	Project planning	217,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	4	2.12	1.06	1.98	1.15	44.90	2.76	7.13	2,538
081000936	8	Lift Station Floodproofing	Jarrell	Flood proof city lift stations or improve culverts to lessen flood risk.	Project planning	217,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	4	2.12	1.06	1.98	1.15	44.90	2.76	7.13	2,538
151000011	15	Laguna Vista Action #1	Laguna Vista	Drainage improvements Basin "B": Install upgraded drainage system for 80 acre residential area. Current system is inadequate to carry storm water runoff	Project planning	924,000	9	1.88	2.81	16	2.1	3.13	0	0	0	0	0	0	3	1.84	0.92	0.24	0.19	0.02	0.01	7.07	2,540
031000523	3	DMP Phase 1: Anderson Street (Project 3)	Waxahachie	Study to alleviate flooding on Anderson Street through the implementation of a detention basin, additional inlets, and an additional storm drain	Project planning	337,000	6	1.62	2.42	56	2.8	4.27	0	0	0	0	0	0	0	0	0	0.49	0.38	0	0	7.07	2,541
101000203	10	Highland Hills Crossing Improvements Project Planning	Austin	Project planning for project to upgrade the low crossing to reduce the frequency and depth of inundation and improve public safety. Develop technical data required for FMP.	Project planning	150,000	3	1.18	1.77	8	1.7	2.51	0	0	0	1	1.03	2.07	0	0	0	0.02	0.02	1.29	0.66	7.02	2,542
031000514	3	Floodplain Mapping Updates of Wichita Creek	Flower Mound	Floodplain mapping updates of Wichita Creek. Establish BFE's and convert Zone A to Zone AE via a LOMR.	Watershed planning	64,000	0	0	0	198	3.6	5.41	0	0	0	0	0	0	0	0	0	0.42	0.33	3.90	1.27	7.01	2,543
041000152	4	Higganbotham Road Neighborhood Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	12	2.06	3.09	26	2.4	3.57	0	0	0	0	0	0	0	0	0	0.20	0.16	0.20	0.12	6.95	2,544
011000195	1	Turner SD	Borger	Perform post-project modeling to determine if project meets no negative impact requirements and complete up to 30% design	Project planning	250,000	16	2.25	3.37	19	2.2	3.29	0	0	0	0	0	0	0	0	0	0.35	0.28	0	0	6.94	2,545
121000169	12	Quintana Road Drainage Improvements Study	Von Ormy	Study to improve the drainage around Quintana Road and remove it from being flooded during heavy rains.	Project planning	250,000	9	1.88	2.81	15	2.1	3.08	0	0	0	0	0	0	2	1.46	0.73	0.24	0.19	0.17	0.10	6.92	2,546
041000109	4	Rabbit Creek at SH 42 Overtopping	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	2	0.94	1.40	28	2.4	3.64	0	0	0	0	0	0	0	0	0	1.66	1.03	1.66	0.79	6.86	2,547
131000173	13	Pipeline between Choke Canyon Reservoir and Lake Corpus Christi	Live Oak County	A 2001 study showed that losses in the natural streams between CCR and LCC could possibly be prevented by a transmission pipeline. The pipeline can also provide flood mitigation benefits with a two-way operation via pumping.	Project planning	40,739,000	2	0.94	1.40	24	2.3	3.50	0	0	0	0	0	0	3	1.84	0.92	0.43	0.33	1.38	0.69	6.85	2,548
011000166	1	Playa 11 Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP.	Watershed planning	424,000	1	0.57	0.86	4	1.3	1.89	0	0	0	0	0	0	0	0	0	2.02	1.17	57.41	2.91	6.83	2,549
041000117	4	Grace Creek at Loop 281 Overtopping (South)	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	3	1.18	1.77	4	1.3	1.89	0	0	0	0	0	0	0	0	0	4.59	1.79	4.59	1.37	6.82	2,550
121000001	12	Study the San Antonio River, Ojo de Agua Creek and its tributaries	Runge	Install steam gauges and develop a study to identify solutions to flooding. Implement engineering findings to reduce and mitigate risks.	Project planning	250,000	4	1.36	2.04	14	2.0	3.01	0	0	0	0	0	0	4	2.12	1.06	0.12	0.09	1.16	0.61	6.81	2,551
121000056	12	Inventory of residences in floodplain	Runge	Identify residential structures that are located in flood zones or high hazard areas and develop plan and implement a program for floodproofing or acquistion.	Project planning	50,000	4	1.36	2.04	14	2.0	3.01	0	0	0	0	0	0	4	2.12	1.06	0.12	0.09	1.16	0.61	6.81	2,551
121000039	12	Update flood information and policies	Runge	Identify and compile information on flood hazard areas and residential property in flood zones, establish and implement a volunteer acquisition / elevation program based on FEMA protocol in association with SARA studies, and review permitting process bas	Project planning	100,000	4	1.36	2.04	14	2.0	3.01	0	0	0	0	0	0	4	2.12	1.06	0.12	0.09	1.16	0.61	6.81	2,553
041000149	4	Rolling Meadows Neighborhood Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	13	2.11	3.17	21	2.3	3.38	0	0	0	0	0	0	0	0	0	0.18	0.14	0.18	0.11	6.80	2,554
041000142	4	Circle Road Neighborhood Flooding	Harrison County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	8	1.80	2.70	18	2.2	3.24	0	0	0	0	0	0	0	0	0	0.64	0.49	0.64	0.37	6.80	2,555

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000134	4	Grace Creek at Highway 31 Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	3	1.18	1.77	64	2.9	4.39	0	0	0	0	0	0	0	0	0	0.46	0.36	0.46	0.27	6.79	2,556
041000135	4	Rockwall Drive Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	12	2.06	3.09	29	2.4	3.67	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.01	6.78	2,557
151000245	15	City of Harlingen - Rio Hondo Road Ditch Improvements	Harlingen	City of Harlingen - Rio Hondo Road Ditch Improvements	Project planning	228,120	15	2.21	3.31	9	1.7	2.62	0	0	0	0	0	0	0	0	0	1.01	0.72	0.15	0.09	6.73	2,558
151000088	15	Risk Area 13 Calle De Los Santos neighborhood. Additional culvert under irrigation canal.	Eagle Pass	Project includes upgrading existing culvert crossing irrigation canal from 2-6'x4' RCB to 4-6'x4' RCB.	Project planning	27,000	8	1.80	2.70	33	2.5	3.79	0	0	0	0	0	0	0	0	0	0.26	0.21	0.06	0.04	6.73	2,559
031000420	3	Royal Oaks Curb Inlet Improvements	Flower Mound	Study for modifications to inlet structures within the Royal Oaks subdivision to reduce bypass flow that reaches Dexter Court.	Project planning	250,000	0	0	0	823	4.5	6.70	0	0	0	0	0	0	0	0	0	0	0	0	0	6.70	2,560
131000108	13	Stormwater Master Plan #8 - Bayshore East Outfall	Ingleside on the Bay	Positive drainage from stormwater ditch to bay to be improved by site and channel regrading and installation of RCP to provide direct outfalls for low lying areas to the bay.	Project planning	14,000	9	1.88	2.81	20	2.2	3.34	0	0	0	0	0	0	1	0.89	0.44	0.11	0.09	0	0	6.68	2,561
041000130	4	Upper Iron Bridge Creek Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	13	2.11	3.17	24	2.3	3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	6.67	2,562
061000250	6	City of Jacinto City Master Drainage Plan	Jacinto City	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	180,000	10	1.94	2.92	28	2.4	3.64	0	0	0	0	0	0	0	0	0	0.14	0.11	0	0	6.67	2,563
131000123	13	Conn Brown Harbor Bulkhead Improvements	Aransas Pass	Install bulkheads at Conn Brown Harbor to protect new and existing buildings and infrastructure.	Project planning	164,000	6	1.62	2.42	52	2.8	4.20	0	0	0	0	0	0	0	0	0	0.03	0.02	0	0	6.64	2,564
131000091	13	Upper Tule Storm Drain System	Aransas County	Install storm drainage system with capacity to reduce current flooding and capacity for future development.	Project planning	2,000,000	5	1.50	2.25	9	1.7	2.62	0	0	0	0	0	0	5	2.33	1.17	0.25	0.20	0.69	0.40	6.63	2,565
021000023	2	New Boston Unnamed Stream 2	City of New Boston	Debris, Vegetation Removal, and Channelization	Preparedness	250,000	8	1.80	2.70	21	2.3	3.38	0	0	0	0	0	0	0	0	0	0.64	0.48	0.09	0.05	6.62	2,566
011000067	1	Lakeview City Drainage Master Plan	Lakeview	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	10	1.94	2.92	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.81	0.60	2.48	1.01	6.61	2,567
121000146	12	Additional flood proof at wastewater treatment plant	La Vernia	Study to evaluate removing the WWTP from flood and erosion risk	Project planning	150,000	5	1.50	2.25	9	1.7	2.62	0	0	0	0	0	0	2	1.46	0.73	0.14	0.11	2.01	0.89	6.60	2,568
011000071	1	Canadian City Drainage Master Plan	Canadian	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	10	1.94	2.92	12	1.9	2.88	0	0	0	0	0	0	0	0	0	0.26	0.20	1.10	0.58	6.58	2,569
121000027	12	Damage Center 43-Olmos Creek Middle Reach near DeZavala	San Antonio	The depth of flooding for the 100-year event ranges between 0.10 and 3.82 feet, therefore, buyouts do not appear to be a practical solution	Project planning	8,878,636	9	1.88	2.81	18	2.2	3.24	0	0	0	0	0	0	1	0.89	0.44	0.07	0.06	0	0	6.56	2,570
151000167	15	ML06e Augusta	Mission	1434 feet of storm sewer upgrade	Project planning	66,899	8	1.80	2.70	28	2.4	3.64	0	0	0	0	0	0	0	0	0	0.23	0.19	0	0	6.53	2,571
121000180	12	Cibolo Creek Flooding on SH 123	Karnes County	Evaluate alternatives to mitigate SH 123 flooding from Cibolo Creek	Project planning	100,000	1	0.57	0.86	1	0.5	0.80	0	0	0	0	0	0	3	1.84	0.92	0.85	0.62	114.10	3.33	6.52	2,572
151000081	15	East Mercedes Project Area 112a	Hidalgo County Drainage District 1	Provide channel and culvert improvements for the Mercedes Ditch 23, North of IH 2.	Project planning	454,000	2	0.94	1.40	6	1.5	2.25	0	0	0	0	0	0	0	0	0	0.13	0.11	44.70	2.76	6.52	2,573
031000453	3	Edgewood	Frisco	Updates to existing study to perform creek bank stabilization in the Edgewood neighborhood	Project planning	520,000	0	0	0	17	2.1	3.19	0	0	0	1	1.03	2.07	0	0	0	0.24	0.19	2.62	1.04	6.49	2,574
031000419	3	Range Wood Drive, Kings Road & Lusk Lane Drainage Improvements	Flower Mound	Study for the installation of a mixture of box culverts, storm piping and bar ditch grading along King Road, Lusk Lane and Range Wood Drive.	Project planning	250,000	2	0.94	1.40	65	2.9	4.40	0	0	0	0	0	0	0	0	0	0.04	0.03	1.27	0.65	6.49	2,575
071000056	7	City of Wilson DMP	Wilson	Evaluate City of Wilson for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	2	0.94	1.40	9	1.7	2.62	0	0	0	0	0	0	0	0	0	0.28	0.22	17.02	2.16	6.41	2,576
111000156	11	Caldwell County CR 159 @ Spanish Oak Creek	Caldwell County	Assess local drainage conditions at CR 230 and evaluate low-water crossing upgrades with consideration of backwater from NRCS Site 24	Project planning	50,000	2	0.94	1.40	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.28	0.23	144.07	3.47	6.41	2,577
061000218	6	Barker - T103-00-00	Harris County Flood Control District	Further study of Flood Risk Reduction need identified for T103-00-00 through the HCFCD "Watershed Planning Tool" to determine channel modifications needed to restore/improve channel conveyance including Atlas 14 rainfall	Project planning	300,000	7	1.71	2.57	25	2.4	3.54	0	0	0	0	0	0	0	0	0	0.05	0.04	0.38	0.23	6.38	2,578
151000314	15	Cameron County Drainage District No.1 - Ditch 1 detention ponds	Cameron County Drainage District 1	200 acre elevated detention pond with pump station	Project planning	548,234	1	0.57	0.86	0	0	0	0	0	0	0	0	0	15	3.44	1.72	0.49	0.38	131.79	3.42	6.37	2,579
041000167	4	McCann Creek Road Overtopping	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	5	1.4	2.09	0	0	0	0	0	0	0	0	0	5.41	1.92	5.41	1.47	6.34	2,580
131000106	13	Stormwater Master Plan #6 - Live Oak/Ebony and Woodhaven Improvements and Outfall	Ingleside on the Bay	Ponding to be reduced by minor regrading, installation of new standpipes with low flow outlets, and implementation of sediment filters around existing inlets. Installation of RCB along Live Oak St. and RCP along Woodhaven Dr. and Ebony Dr. to be included.	Project planning	44,000	5	1.50	2.25	15	2.1	3.08	0	0	0	0	0	0	3	1.84	0.92	0.11	0.09	0	0	6.33	2,581
011000131	1	Playa No. 14 Project Planning - Diamond Horseshoe Lake (City of Amarillo)	Amarillo, Randall	Evaluate project to quantify benefits, evaluate impacts and begin design. Proposed improvement include new 750 GMP pumping station with 8" suction line, and new 8" force main. Project identified from 2019 Amarillo DMP.	Project planning	250,000	5	1.50	2.25	12	1.9	2.88	0	0	0	0	0	0	0	0	0	2.10	1.20	0	0	6.32	2,582
011000167	1	Diamond Horseshoe Lake Watershed Study (City of Amarillo)	Amarillo, Randall	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP	Watershed planning	247,000	5	1.50	2.25	12	1.9	2.88	0	0	0	0	0	0	0	0	0	2.10	1.20	0	0	6.32	2,583
091000006	9	City of Blackwell Storm Drain and Culvert Improvements Study	Coke County	Proposed project planning for upgrading undersized stormwater drains and culverts.	Project planning	300,000	9	1.88	2.81	14	2.0	3.01	0	0	0	0	0	0	0	0	0	0.48	0.37	0.07	0.04	6.24	2,584
151000405	15	Willacy County Precinct No.4 - Santa Monica Various Drain Ditch improvement	Willacy County	Improve existing swales, including ~750 LF of 18" RCP Culverts	Project planning	111,401	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.00	0.71	1024.10	4.68	6.24	2,585
151000299	15	Hidalgo and Cameron Counties Irrigation District No. 9 - USIBWC Main Floodway Outfall Canal Improvements North	Hidalgo & Cameron Counties Irrigation District 9	Improve outfall capacity by deepening the USIBWC Main Floodway Outfall Canal	Project planning	877,396	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.51	0.96	637.85	4.39	6.21	2,586
131000060	13	City of San Diego Drainage Connectivity along Railroad Improvements	San Diego, Duval	Improvement to underground drainage system to increase capacity and improve conveyance on railroad under-crossings and on sections of Highway 44 to improve stormwater drainage from north to south	Project planning	25,000	2	0.94	1.40	3	1.1	1.64	0	0	0	0	0	0	9	2.92	1.46	2.20	1.23	0.84	0.47	6.21	2,587
071000207	7	City of Abilene Operations of Lake Abilene	Abilene	Increase available flood storage in the reservoir	Project planning	200,000	3	1.18	1.77	6	1.5	2.25	0	0	0	0	0	0	0	0	0	0.27	0.21	10.96	1.90	6.13	2,588
051000138	5	Stadium Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	6	1.62	2.42	27	2.4	3.61	0	0	0	0	0	0	0	0	0	0.12	0.09	0	0	6.12	2,589
051000094	5	City of Coffee City Flood-prone Roadway and Infrastructure Evaluation	Coffee City	Locate roadways and properties prone to flooding due to heavy rainfall	Project planning	25,000	4	1.36	2.04	6	1.5	2.25	0	0	0	0	0	0	0	0	0	1.07	0.75	2.77	1.07	6.11	2,590
041000147	4	Lynnwood Street Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	9	1.88	2.81	19	2.2	3.29	0	0	0	0	0	0	0	0	0	0	0	0	0	6.10	2,591

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
011000076	1	Holliday City Drainage Master Plan	Holliday	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs and the needs analysis	Watershed planning	250,000	4	1.36	2.04	4	1.3	1.89	0	0	0	0	0	0	0	0	0	0.94	0.67	5.21	1.44	6.05	2,592
151000129	15	City of Laredo Project 4	Laredo	Zacate Creek Flood Plain Study to improve the 1980 flood plain map for Zacate Creek	Project planning	150,000	8	1.80	2.70	4	1.3	1.89	0	0	0	0	0	0	8	2.80	1.40	0.05	0.04	0	0	6.04	2,593
041000164	4	County Road 1110 Overtopping	Rusk County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35.04	3.42	35.04	2.61	6.03	2,594
101000065	10	Jackson County Hospital District	Jackson County	Jackson County Hospital Flood Plan	Project planning	150,000	3	1.18	1.77	5	1.4	2.09	0	0	0	1	1.03	2.07	0	0	0	0.12	0.10	0	0	6.02	2,595
061000024	6	Williamsburg Subdivision Drainage Assessment	Harris County	Further study of a flood risk reduction project in the Williamsburg Subdivision which includes additional detail for the design of a required weir structure.	Project planning	1,260,000	2	0.94	1.40	8	1.7	2.51	0	0	0	0	0	0	0	0	0	0.62	0.47	6.60	1.59	5.97	2,596
041000010	4	San Augustine County Flood Hazard Mapping	San Augustine County	Complete a detailed study within the county extent to delineate an updated flood hazard area, which can be used for regulatory purposes.	Watershed planning	100,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.75	1.07	345.53	4.01	5.94	2,597
041000011	4	San Augustine County Drainage Master Plan	San Augustine County	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	50,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.75	1.07	345.53	4.01	5.94	2,597
151000134	15	NM-111	Edinburg	Replace existing structures with new material of the same structure to continue to provide conveyance.	Project planning	86,181	4	1.36	2.04	1	0.5	0.80	0	0	0	0	0	0	0	0	0	0.72	0.54	32.32	2.56	5.93	2,599
011000074	1	Tulia City Drainage Master Plan	Tulia	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses	Watershed planning	250,000	5	1.50	2.25	0	0	0	0	0	0	0	0	0	0	0	0	4.58	1.79	10.72	1.88	5.92	2,600
041000119	4	Eastman Road Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	7	1.71	2.57	20	2.2	3.34	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.01	5.92	2,601
041000170	4	FM 3053 Overtopping	Rusk County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31.46	3.33	31.46	2.54	5.87	2,602
051000143	5	Tyrrell Park Detention	Jefferson County Drainage District 6	Install a detention pond in the vicinity of Tyrrell Park Rd. within the city of Beaumont.	Project planning	500,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.93	1.13	258.32	3.83	5.82	2,603
051000104	5	Grannis Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	1	0.57	0.86	95	3.2	4.74	0	0	0	0	0	0	0	0	0	0.05	0.04	0.22	0.14	5.78	2,604
031000511	3	Floodplain Mapping Updates of Whites Branch Tributary 2	Flower Mound	Floodplain mapping updates of Whites Branch Tributary 2. Establish BFE's and convert Zone A to Zone AE via a LOMR.	Watershed planning	61,000	0	0	0	11	1.9	2.80	0	0	0	0	0	0	0	0	0	0.05	0.04	55.35	2.89	5.72	2,605
151000306	15	Hidalgo County Precinct 2 - Floodway Pump Station Upgrade	Hidalgo County	Increase pump size for draining into Floodway	Project planning	18,011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.33	0.88	1322.02	4.83	5.72	2,606
071000084	7	Archer County GIS Development	Archer County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92	1.13	877.85	4.58	5.71	2,607
071000119	7	Archer County DCM	Archer County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92	1.13	877.85	4.58	5.71	2,607
071000120	7	Archer County Relocate Critical Facilities High Hazard	Archer County	Relocate critical facilities out of high hazard areas.	Project planning	2,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.92	1.13	877.85	4.58	5.71	2,607
071000023	7	Mitchell County Update FEMA Mapping	Mitchell County	Update existing FEMA mapping	Watershed planning	926,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.65	1.02	257.33	3.83	5.71	2,610
071000067	7	Mitchell County DMP	Mitchell County	Evaluate county to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	500,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.65	1.02	257.33	3.83	5.71	2,610
071000105	7	Mitchell County GIS Development	Mitchell County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.65	1.02	257.33	3.83	5.71	2,610
071000180	7	Mitchell County DCM	Mitchell County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.65	1.02	257.33	3.83	5.71	2,610
011000083	1	Nocona City Drainage Master Plan	Nocona	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses	Watershed planning	250,000	3	1.18	1.77	21	2.3	3.38	0	0	0	0	0	0	0	0	0	0.00	0.00	0.83	0.46	5.62	2,614
041000040	4	Lone Oak - Dam Inundation Study	Lone Oak	Dam inundation study, safety study, and inventory of mitigation activities to implement for the county dams.	Other	500,000	3	1.18	1.77	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.00	0.00	30.46	2.52	5.60	2,615
121000119	12	La Vernia Issue # 2 and # 3 (City Park/ La Vernia ISD)	La Vernia	Study to assess 6'-wide concrete-bottom channel/sidewalk with earthen sides (graded 5:1) be constructed through this area to better define the flow path. Gauge boards on San Antonio Road. Aquire 25'-wide drainage easements.	Project planning	150,000	2	0.94	1.40	14	2.0	3.01	0	0	0	0	0	0	3	1.84	0.92	0.31	0.25	0	0	5.58	2,616
061000224	6	City of Beach City Master Drainage Plan	Beach City	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	240,000	3	1.18	1.77	6	1.5	2.25	0	0	0	0	0	0	0	0	0	0.20	0.16	4.72	1.38	5.57	2,617
031000146	3	Malone Bridge Improvements	Malone	Evaluate alternatives to elevate roadways in flood-prone areas through bridge improvements	Project planning	275,000	0	0	0	230	3.7	5.54	0	0	0	0	0	0	0	0	0	0	0	0	0	5.54	2,618
031000447	3	City of Dallas Dam Program - White Rock Lake Dam	Dallas	Study of possible rehabilitation of the White Rock Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	100,000	0	0	0	33	2.5	3.79	0	0	0	0	0	0	0	0	0	0	0	8.44	1.74	5.52	2,619
041000128	4	French Drive Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	5	1.50	2.25	10	1.8	2.71	0	0	0	0	0	0	0	0	0	0.40	0.31	0.40	0.24	5.51	2,620
101000012	10	Old Sayers Rd & Little Sandy Creek	Bastrop County	LWC upgrade, Box culvert	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0.19	0.15	105.47	3.28	5.50	2,621
121000012	12	Damage Center 1 (Stockdale Creek)	Stockdale	Stockdale Creek Stream Restoration with a natural channel design	Project planning	3,569,335	0	0	0	0	0	0	0	0	0	3	2.14	4.27	4	2.12	1.06	0.13	0.10	0.11	0.06	5.50	2,622
101000159	10	Wastewater Treatment Plant Flood Study	Burnet	Flood-prone problem area in need of flood study, indentified on sponsor outreach call. Area also in need of a generator	Project planning	150,000	3	1.18	1.77	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0.15	0.12	11.99	1.95	5.49	2,623
121000057	12	French Creek RSWF	San Antonio	An on-channel RSWF provides approximately 150 acre-feet of storag	Project planning	5,975,659	4	1.36	2.04	11	1.9	2.80	0	0	0	0	0	0	1	0.89	0.44	0.25	0.20	0	0	5.48	2,624
031000416	3	Garden Ridge Boulevard Bridge Erosion Stabilization	Flower Mound	Study for the implementation of modifications to existing erosion protection to provide stabilization to erosive conditions at the Timber Creek crossing of the Garden Ridge Boulevard bridge.	Project planning	250,000	0	0	0	87	3.1	4.67	0	0	0	0	0	0	0	0	0	0.09	0.07	1.52	0.74	5.48	2,625
131000124	13	City of Three Rivers City-Wide Drainage Study	Three Rivers	City of Three Rivers City-Wide Drainage Study. Study to specifically focus on flood risk in the Hackberry Creek and Frio River watershed.	Watershed planning	250,000	5	1.50	2.25	0	0	0	0	0	0	0	0	0	87	5.21	2.60	0.12	0.10	0.94	0.52	5.47	2,626
041000153	4	Meadowview Road Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	2	0.94	1.40	3	1.1	1.64	0	0	0	0	0	0	0	0	0	2.64	1.37	2.64	1.04	5.46	2,627
031000521	3	Montclair No 2 & 3 Drainage Improvements (Alternative 2)	Garland	Study to mitigate proposed improvements include a new storm drainage system along La Jolla from previous study. Alternative 2 includes additional inlets on Intervale Drive, Mill River Drive, La Jolla Drive, and Birchwood Drive.	Project planning	250,000	3	1.18	1.77	24	2.3	3.50	0	0	0	0	0	0	0	0	0	0.22	0.18	0	0	5.44	2,628
131000157	13	Improvements to Doyle Drainage Basin	Portland	Improvement to outfall into Nueces bay; increase conveyance capacity of ditches.	Project planning	100,000	5	1.50	2.25	10	1.8	2.71	0	0	0	0	0	0	1	0.89	0.44	0.04	0.03	0.02	0.01	5.44	2,629

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000114	4	HG Mosely Roadway Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	3	1.18	1.77	29	2.4	3.67	0	0	0	0	0	0	0	0	0	0	0	0	0	5.44	2,630
121000173	12	Delcrest Channel Improvements PER	San Antonio	Improvements to strom drains and upstream drainage system to improve street flooding in Delcrest neighborhood.	Project planning	250,000	3	1.18	1.77	6	1.5	2.25	0	0	0	0	0	0	5	2.33	1.17	0.24	0.19	0	0	5.38	2,631
151000020	15	Laguna Vista Action #6	Laguna Vista	Drainage improvements SH 100: Regrade the existing drainage ditch that parallels State Highway 100 to increase capacity and reduce risk of flooding	Project planning	370,000	0	0	0	0	0	0	0	0	0	0	0	0	5	2.33	1.17	0.71	0.53	195.44	3.66	5.36	2,632
131000024	13	Atascosa McMullen Hazard Mitigation Plan - City of Charlotte Action #3	Charlotte	Implement a stormwater plan needing to identify and prioritize projects that will improve drainage in the areas in the city	Project planning	350,000	3	1.18	1.77	4	1.3	1.89	0	0	0	0	0	0	10	3.03	1.51	0.18	0.14	0.05	0.03	5.35	2,633
011000079	1	Scotland City Drainage Master Plan	Scotland	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.47	0.36	27.25	2.45	5.33	2,634
061000557	6	Drainage and Paving Improvements for Cottage Grove East - Phase I	Houston	Phase 1 of storm drainage and street improvements bounded by IH-10W, White Oak Bayou, Durham Dr. and Shepherd Dr. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	3	1.18	1.77	19	2.2	3.29	0	0	0	0	0	0	0	0	0	0.31	0.25	0	0	5.30	2,635
061000141	6	Southwood Forest Subdivision and Forgotten Forest Subdivision Evaluation	Walker County	Study to develop a community-wide drainage system in Southwood Forest Subdivision and Forgotten Forest Subdivision.	Project planning	110,000	13	2.11	3.17	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0	0	0	0	5.26	2,636
101000179	10	Various Streets - Install Flood Early Warning System	Kendall County	Detection warnings at low water crossings across the county	Preparedness	15,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	637.34	4.39	5.24	2,637
101000137	10	CR257 at Pecan Bayou (Tenmile Crossing)	Brown County	Upgrade CR 257 over Pecan Bayou to higher level of service (per TxDOT HDM)	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.59	0.45	1171.39	4.76	5.21	2,638
101000002	10	Shiloh Road Bridge West of State HWY 304	Bastrop County	Upgrade flow capacity	Project planning	100,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.15	0.12	56.04	2.90	5.17	2,639
151000302	15	Hidalgo County Drainage District No.1 - Raymondville Drain & Connecting Laterals	Hidalgo County Drainage District 1	New drainage system from Edinburg Lake to connect to existing Raymondville Drain	Project planning	31,800,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.17	414.91	4.12	5.15	2,640
091000116	9	Butler Farms Bridge	Tom Green County	Provide access to Butler Farms subdivision through construction of a bridge structure on Foster Road as well as construction of a secondary access to the subdivision	Other	25,000	24	2.51	3.76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.66	1.38	5.14	2,641
091000084	9	San Angelo Sulper Draw Park Drainage Improvements	Tom Green County	Low water crossing, street flooding. Monroe at Sulfur Draw Park. Excessive street flow, street flooding. Taylor St at Conchita St. Heavy street flow. Madison St. between Ave J to Algerita. Heavy street flow. Beauregard Ave (Campus to N Concho River)	Project planning	532,640	96	3.41	5.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.11	2,642
121000182	12	Localized Residential Flooding in City of Kenedy	Karnes County	Evaluate alternatives to mitigate localized residential flooding in the southern portion of the City of Kenedy	Project planning	100,000	3	1.18	1.77	7	1.6	2.39	0	0	0	0	0	0	3	1.84	0.92	0.04	0.03	0	0	5.11	2,643
011000039	1	Hale County FIS	Hale County	Update flood insurance study for the county and develop regulatory mapping	Watershed planning	1,076,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.47	1.32	228.86	3.76	5.07	2,644
101000164	10	East Reed Park Road Flooding	Jonestown	Low water crossing upgrade for one of the most commonly closed low water crossings in Jonestown. The city has to section off road when it floods.	Project planning	100,000	2	0.94	1.40	1	0.5	0.80	0	0	0	0	0	0	0	0	0	0.15	0.12	44.67	2.76	5.07	2,645
131000074	13	Ave A 4th Street Extension	Ingleside	Secure drainage ROWs along Ave. A near 4th to South of 6th St. Design underground and/or open channel system improve drainage. This section of Avenue A has is often inundated by heavy rains due to poor drainage, cutting off access to area residences.	Project planning	750,000	4	1.36	2.04	4	1.3	1.89	0	0	0	0	0	0	3	1.84	0.92	0.11	0.09	0.21	0.13	5.07	2,646
121000026	12	LWC #34 Sleepy Hollow @ Sunburst	San Antonio	This project requires the placement culverts or a bridge to eliminate a low water crossing . Street Reconstruction includes driveway approaches, curbs, and sidewalks as required.	Project planning	938,003	1	0.57	0.86	2	0.9	1.31	0	0	0	1	1.03	2.07	2	1.46	0.73	0.13	0.10	0	0	5.07	2,647
031000370	3	Village Creek CR 802 (west) Improvements	Burleson	Evaluation of possible roadway and culvert improvements to prevent overtopping of CR 802 at Village Creek crossings	Project planning	1,225,000	0	0	0	10	1.8	2.71	0	0	0	1	1.03	2.07	0	0	0	0.08	0.07	0.28	0.17	5.02	2,648
051000062	5	Preliminary Engineering of Gibsonville Street and Porterville Road Bridges Improvements	Huntington	Evaluate alternatives to raise bridges on Gibsonville St. and Porterville Road to increase flow of creek under.	Project planning	650,000	6	1.62	2.42	0	0	0	0	0	0	0	0	0	0	0	0	2.63	1.36	3.60	1.22	5.01	2,649
071000092	7	Dawson County GIS Development	Dawson County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.95	1.45	158.50	3.53	4.98	2,650
071000159	7	Dawson County DCM	Dawson County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.95	1.45	158.50	3.53	4.98	2,650
041000172	4	Denman Road Overtopping	Smith County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16.76	2.83	16.76	2.16	4.98	2,652
131000107	13	Stormwater Master Plan #7 - Bayshore East Channel and Culvert Improvements	Ingleside on the Bay	Positive drainage from stormwater ditch to bay to be improved by site and channel regrading and installation of RCP to provide direct outfalls for low lying areas to the bay.	Project planning	47,000	4	1.36	2.04	7	1.6	2.39	0	0	0	0	0	0	1	0.89	0.44	0.06	0.05	0	0	4.92	2,653
041000154	4	White Street Neighborhood Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	3	1.18	1.77	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.80	0.59	0.80	0.45	4.90	2,654
151000396	15	Willacy County Drainage District No.1 - Detention to Willacy Main Drain	Willacy County Drainage District 1	Detention facilities for Willacy Main Drain, increase holding capacity	Project planning	1,200,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.44	0.34	837.70	4.55	4.90	2,655
091000076	9	San Angelo Street Flooding 12	Tom Green County	Excessive street flow, street flooding Amarillo St at 39th, Goliad	Project planning	25,000	4	1.36	2.04	11	1.9	2.80	0	0	0	0	0	0	0	0	0	0.05	0.04	0	0	4.88	2,656
131000086	13	Oso Creek Channel Bottom Rectification and Green Infrastructure	Corpus Christi	Planning and Design for Oso Creek and it's contributing channels to remove channel bottom irregularities, study inclusion of green infrastructure BMPS, improve conveyance and capacity, implement soil stabilization near infrastructure, remove debris.	Project planning	4,751,000	3	1.18	1.77	2	0.9	1.31	0	0	0	0	0	0	3	1.84	0.92	0.22	0.18	1.40	0.70	4.87	2,657
121000030	12	Cibolo Creek Tributary 19 Mapping Improvements	Bulverde	Alternative Anylsis and Project recommendation	Project planning	100,000	6	1.62	2.42	4	1.3	1.89	0	0	0	0	0	0	1	0.89	0.44	0.13	0.10	0	0	4.87	2,658
101000234	10	Kennemer Drive Improvements at Wilbarger Creek Tributary 200 (DMP WC-05)	Pflugerville	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	220,000	2	0.94	1.40	8	1.7	2.51	0	0	0	0	0	0	0	0	0	0.08	0.06	1.97	0.88	4.86	2,659
121000023	12	LWC157 New Sulphur Springs Rd – East of Beck Rd	San Antonio	The proposed project will install 4-10' x 9' MBC at the LWC and reconstruct the portion of New Sulphur Springs Rd. affected by the culvert installation. The proposed street reconstruction will not include sidewalks or curbs.	Project planning	340,797	0	0	0	0	0	0	0	0	0	3	2.14	4.27	1	0.89	0.44	0.07	0.05	0.05	0.03	4.80	2,660
011000198	1	1st St - Main to Hedgecoke	Borger	Perform post-project modeling to determine if project meets no negative impact requirements and complete up to 30% design	Project planning	250,000	2	0.94	1.40	20	2.2	3.34	0	0	0	0	0	0	0	0	0	0.06	0.04	0	0	4.78	2,661

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000113	4	Drake Blvd Neighborhood Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	5	1.50	2.25	8	1.7	2.51	0	0	0	0	0	0	0	0	0	0	0	0	0	4.76	2,662
101000028	10	FM 812 at Alum Creek South	Bastrop County	100-ft bridge, 1700 LF of channelization	Project planning	100,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.08	0.07	27.89	2.47	4.70	2,663
031000415	3	East Waketon Road Drainage Improvement	Flower Mound	Study for the installation of a drainage channel between FM2499 culverts and Waketon Road culverts in combination with berm construction along the north side of Waketon Road.	Project planning	250,000	0	0	0	85	3.1	4.64	0	0	0	0	0	0	0	0	0	0	0	0	0	4.64	2,664
091000085	9	San Angelo Sunset Lake Flooding Improvement	Tom Green County	Evaluate the increase in flood water surface. Analyize the flood pool level for Sunset Lake. Review the outlet structures, over flow points, and the excessive 70,000 cu yds of requireded dredging. Restore or improve lake levels to FEMA FIS studies.	Project planning	100,000	7	1.71	2.57	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	4.64	2,665
091000117	9	Southwest Blvd Channel Widening	Tom Green County	Widen channel from just upstream of Loop 306 to just downstream of Southwest Blvd. Install a 300 flood bridge with high chord of 1888msl. Install storm drain line in Southwest Blvd.	Other	25,000	7	1.71	2.57	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	4.64	2,665
151000233	15	City of Harlingen - Summerfield Storm Sewer System Improvement Project	Harlingen	City of Harlingen - Summerfield Storm Sewer System Improvement Project	Project planning	5,400	3	1.18	1.77	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.99	0.71	0.04	0.03	4.59	2,667
151000033	15	FM 491 and Mile 3	Hidalgo	Local Drainage Improvements- County Road 1771	Project planning	60,000	2	0.94	1.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86.88	3.16	4.57	2,668
101000017	10	Friendship Rd & Turner Creek A and B	Bastrop County	LWC to Culvert, Cast-in-place multi-box (3) culvert-bridge	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.49	0.38	457.98	4.18	4.56	2,669
111000015	11	City of Flatonia Drainage Project Planning	Flatonia	Project planning for proposed project to make culvert and drainage ditch improvements from just south of the Union Pacific Railroad at US 90 to the north side frontage road of I-10.	Project planning	2,739,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06	0.74	227.24	3.75	4.50	2,670
111000016	11	City of Flatonia WWTP Floodproofing Project Planning	Flatonia	Project planning for proposed project to floodproof Waste Water Treatment Plant	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.06	0.74	227.24	3.75	4.50	2,670
121000106	12	Goliad Damage Center A	Goliad County	Vegetated swales along Bungalow Ave and N San Patricio St	Project planning	50,000	3	1.18	1.77	4	1.3	1.89	0	0	0	0	0	0	2	1.46	0.73	0.05	0.04	0	0	4.43	2,672
041000162	4	County Road 1115 Overtopping	Rusk County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11.31	2.51	11.31	1.91	4.43	2,673
041000022	4	Nevada Drainage Master Plan	Nevada	Perform study of existing culverts and drainage capabilities in town. Identify upgrades to drainage infrastructure capacity where needed.	Watershed planning	100,000	1	0.57	0.86	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0	0	11.44	1.92	4.42	2,674
101000075	10	Airport Drainage Improvements	Palacios	Increase drainage for airport property	Project planning	100,000	3	1.18	1.77	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0	0	4.39	1.34	4.41	2,675
151000021	15	Laguna Vista Action #7	Laguna Vista	Drainage improvements: Upgrade the drainage system on the intersection of Broadway and Palo Blanco to increase capacity and reduce risk of flooding	Project planning	370,000	4	1.36	2.04	4	1.3	1.89	0	0	0	0	0	0	1	0.89	0.44	0.04	0.03	0	0	4.41	2,676
041000174	4	County Road 146 Overtopping	Rusk County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.98	2.49	10.98	1.90	4.38	2,677
131000215	13	Sp-B: Nopal Street Improvements	San Patricio	Project consists of four 4' x 4' RCBs installed beneath Nopal Street / County Road 60 and the intersecting gravel road.	Project planning	249,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.39	0.31	10.85	1.89	4.36	2,678
061000317	6	Arcadian Gardens Subdivision Drainage Improvements	Harris County	Study to develop a Cost Benefit Analysis and elevate the project to a FMP. To achieve this goal, the key features of improvments are to rehabilitate roadside swales, build new storm sewers and improve the outfall drainage conditions.	Project planning	30,000	5	1.50	2.25	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.02	0.02	0	0	4.36	2,679
111000103	11	City of Cuero WWTP Floodproofing Project Planning	Cuero	Project planning to floodproof/retrofit older components of the Cuero Wastewater Treatment Plant subject to flooding.	Project planning	100,000	4	1.36	2.04	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0	0	2.46	1.00	4.34	2,680
151000366	15	Cameron County Precinct No.4 - North Floodway Bypass / Hardin Ranch Drain Extension	Cameron County	Proposed major east -west ditch utilizing some existing drainage structures to provide a major outfall in lieu of floodway	Project planning	7,878,952	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	578.76	4.33	4.33	2,681
151000186	15	ML11d Grapefruit	Mission	582 feet of storm sewer upgrade	Project planning	15,894	3	1.18	1.77	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.57	0.43	0	0	4.29	2,682
041000126	4	Harris Creek Local Road Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	4	1.36	2.04	6	1.5	2.25	0	0	0	0	0	0	0	0	0	0	0	0	0	4.29	2,683
111000160	11	Caldwell County Rolling Oaks @ Ebbon Road	Caldwell County	Assess local drainage conditions on Rolling Oaks Drive and evaluate projects to address nuisance flooding	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.59	0.45	260.19	3.84	4.29	2,684
031000512	3	Floodplain Mapping Updates of Whites Branch	Flower Mound	Floodplain mapping updates of Whites Branch. Establish BFE's and convert Zone A to Zone AE via a LOMR.	Watershed planning	67,000	0	0	0	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0	0	17.55	2.18	4.27	2,685
121000021	12	LWC 112.1 Pvt Rd. 300' North of Marbcah Rd.	San Antonio	Project consists of channel improvements and an outfall to Slick Creek to alleviate street flooding. Channel improvements include installing 10x4 MBC along the channel to improve flow at this portion of Slick Creek.	Project planning	100,000	0	0	0	0	0	0	0	0	0	3	2.14	4.27	0	0	0	0	0	0	0	4.27	2,686
121000070	12	LWC No 113-116 and Associated Channel Improvements	San Antonio	This project proposes to upgrade LWC 115 & 116 and construct an underground storm system on Military to tie into the existing earthen channel. The underground system will consist of 10' curb inlets, 6'x3' box culverts, 24"-42" (RCP),outfall structures	Project planning	917,274	0	0	0	0	0	0	0	0	0	3	2.14	4.27	0	0	0	0	0	0	0	4.27	2,686
121000129	12	Bandera Lower Mason Creek and Bandera Creek at State Highway 16	Bandera County	Lower Mason Creek and Bandera Creek contribute to flooding at SH 16. Study to upgrade road.	Project planning	150,000	4	1.36	2.04	3	1.1	1.64	0	0	0	0	0	0	1	0.89	0.44	0.15	0.12	0	0	4.25	2,688
131000072	13	Rockport County Club Lakes	Rockport	RCC Lakes - Upgrade drainage system and increase the capacity of the lakes within the Rockport County Club	Project planning	62,000	2	0.94	1.40	7	1.6	2.39	0	0	0	0	0	0	1	0.89	0.44	0	0	0	0	4.24	2,689
131000061	13	City of San Diego Levee Outfall System Improvements	San Diego, Duval	Improvements to outfall structures and appurtenances along San Diego Levee System	Project planning	25,000	2	0.94	1.40	2	0.9	1.31	0	0	0	0	0	0	4	2.12	1.06	0.15	0.12	0.60	0.35	4.24	2,690
041000110	4	US 281 Underpass	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	2	0.94	1.40	11	1.9	2.80	0	0	0	0	0	0	0	0	0	0	0	0	0	4.20	2,691
151000121	15	City of Del Rio Project 7	Del Rio	San Felipe Creek Johnson Street Bridge Replacement	Project planning	33,016	0	0	0	0	0	0	0	0	0	2	1.69	3.39	2	1.46	0.73	0.08	0.06	0	0	4.18	2,692
151000322	15	Cameron County Drainage District No.1 - Ditch 2 detention ponds	Cameron County Drainage District 1	200 acre elevated detention pond with pump station	Project planning	548,234	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	1.28	0.86	53.52	2.87	4.17	2,693
121000155	12	Culebra Creek RSWF	Bexar County	Engineering study to evaluate the Culebra Creek RSWF under the revised Green & Ampt hydrology.	Project planning	50,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	9	2.92	1.46	0.50	0.39	0.20	0.12	4.13	2,694
151000061	15	Alton MDP - FM 676 South Glasscock Road Alternative 3	Alton	Widening of FM 676 with a proposed storm drain system containing 54" reinforced concrete pipe.	Project planning	59,000	3	1.18	1.77	1	0.5	0.80	0	0	0	0	0	0	0	0	0	0.95	0.68	1.85	0.84	4.09	2,695
151000399	15	Willacy County Precinct No.3 - Willamar Culvert Install and Ditch improvement	Willacy County	Install 60" RCP culvert and maintain ~6,000 LF of the main storm system	Project planning	34,235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	348.74	4.02	4.02	2,696
101000199	10	County Road 106 Erosion Control Structure Project Planning	Jackson County	Project planning for project to replace erosion control structure. Develop technical data required for FMP.	Project planning	75,000	2	0.94	1.40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35.26	2.61	4.01	2,697

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000139	4	Rabbit Creek at SH 135 Overtopping	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	1.23	0.83	1.23	0.63	3.98	2,698
041000146	4	Rabbit Creek at Fairmont Street Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	1.23	0.83	1.23	0.63	3.98	2,698
101000198	10	Goat Trail Erosion Control Structure Project Planning	Jackson County	Project planning for project to replace erosion control structure. Develop technical data required for FMP.	Project planning	225,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	327.26	3.98	3.98	2,700
121000124	12	Highway 16 Bridge Upgrade	Bandera County	Closes the road down which is the main access for citizens. Study to upgrade crossing.	Project planning	150,000	1	0.57	0.86	0	0	0	0	0	0	1	1.03	2.07	2	1.46	0.73	0.30	0.24	0.12	0.07	3.96	2,701
151000029	15	Primera Action #2	Primera	Construct a large retention/detention pond in the northwest part of town to hold water during heavy rain events	Project planning	92,000	2	0.94	1.40	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0	0	1.86	0.85	3.89	2,702
151000339	15	City of Laguna Vista - Addition of Laguna Vista Relief Drain	Laguna Vista	Relief drain North of Hw100 to Bahia Grande	Project planning	20,970	0	0	0	0	0	0	0	0	0	0	0	0	6	2.52	1.26	0.00	0.00	34.87	2.60	3.86	2,703
121000183	12	San Antonio River Flooding on SH 72	Karnes County	Evaluate alternatives to mitigate SH 72 flooding from the San Antonio River and tributaries	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.78	0.58	46.75	2.78	3.81	2,704
011000086	1	Darrouzett City Drainage Master Plan	Darrouzett	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	250,000	2	0.94	1.40	1	0.5	0.80	0	0	0	0	0	0	0	0	0	0.08	0.07	5.89	1.52	3.79	2,705
041000163	4	County Road 138 Overtopping	Rusk County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.18	2.15	7.18	1.64	3.79	2,706
071000049	7	City of Springlake DMP	Springlake	Evaluate City of Springlake for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	2	0.94	1.40	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.04	0.03	2.52	1.02	3.76	2,707
051000095	5	City of Moore Station Flood-prone Roadway and Infrastructure Evaluation	Moore Station	Locate roadways and properties prone to flooding due to heavy rainfall	Project planning	25,000	2	0.94	1.40	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.22	0.17	0.08	0.05	3.72	2,708
061000028	6	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	Harris County	Further study as report recommendation (2019) indicates that regional drainage improvements to the streams must be studied and implemented before Harris County can obtain a benefit from roadway drainage improvements.	Project planning	130,000	3	1.18	1.77	4	1.3	1.89	0	0	0	0	0	0	0	0	0	0.06	0.05	0	0	3.71	2,709
071300007	7	City of Abilene Buttonwillow Upstream Detention	Abilene	Regional detention pond	Project planning	350,000	0	0	0	0	0	0	0	0	0	2	1.69	3.39	0	0	0	0.38	0.30	0	0	3.69	2,710
151000260	15	San Juan Lateral Extension BP 25	Hidalgo County Drainage District 1	Channel improvements include widening the San Juan Lateral within existing right of way, from Ridge Road to Sam Houston Blvd. New storm drainage culvert from Sam Houston Blvd. to Carroll Rd.	Project planning	415,200	1	0.57	0.86	0	0	0	0	0	0	0	0	0	6	2.52	1.26	1.06	0.74	1.73	0.81	3.66	2,711
051000130	5	W. Port Arthur Road Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	3	1.18	1.77	4	1.3	1.89	0	0	0	0	0	0	0	0	0	0	0	0	0	3.66	2,712
121000005	12	7420 Rolling Acres Trail Low Water Crossing	Fair Oaks Ranch	Low Water crossing moves toward home on Meadow Creek Trail. Road Closure gate is deployed at this crossing during large storm events.	Project planning	733,170	1	0.57	0.86	11	1.9	2.80	0	0	0	0	0	0	0	0	0	0	0	0	0	3.65	2,713
121000127	12	Bandera FM 2107 Study	Bandera County	FM 2107 is the only path for residents to access community lifelines.FM 2107 is the only path for residents to access community lifelines. Study to upgrade road.	Project planning	150,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	2	1.46	0.73	0.60	0.46	0.47	0.28	3.63	2,714
131000050	13	S Roosevelt Street and E Haynes Avenue Drainage- FHlf7	Pearsall	Install series of underground storm water lines and drop structures along S Roosevelt Street and E Carter Street acquiring drainage easement of 27000 SF south west of S Roosevelt Street tying in to the existing earthen channel on S Oak Street.	Project planning	764,000	2	0.94	1.40	1	0.5	0.80	0	0	0	0	0	0	2	1.46	0.73	0.04	0.03	1.28	0.65	3.62	2,715
071000210	7	City of Lubbock 34th St CIP	Lubbock	Balancing culverts, an elevated roadway and a drainage system parallel to the road between Upland and Milwaukee.	Project planning	100,000	3	1.18	1.77	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0.26	0.20	0	0	3.62	2,716
121000175	12	CR 326B at Ecleto Creek	Karnes County	Evaluate upgrades to existing bridge with consideration of backwater from San Antonio River	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	1.24	0.84	21.85	2.32	3.60	2,717
151000208	15	MI19a Sabine	Mission	4417 feet of storm sewer upgrade	Project planning	159,248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.25	0.84	42.13	2.72	3.56	2,718
131000102	13	Stormwater Master Plan #2 - North of Parkview between Sunset and Woodhaven Outfall Pipe	Ingleside on the Bay	Positive drainage to Parkview Place to be improved by minor site regrading, grate inlet installation, and installation of RCP along Woodhaven Drive. Improvement to be connected to existing storm pipe via junction box.	Project planning	7,000	1	0.57	0.86	4	1.3	1.89	0	0	0	0	0	0	2	1.46	0.73	0.07	0.06	0	0	3.54	2,719
031000422	3	Sunset Trail Drop Inlet and Outfall Improvement	Flower Mound	Study for modifications to existing drop inlet structure and outlet piping located on Sharps Branch Tributary 1 to adequately convey upstream flows.	Project planning	250,000	0	0	0	25	2.4	3.54	0	0	0	0	0	0	0	0	0	0	0	0	0	3.54	2,720
101000050	10	Drainage Channel near EMS Building	Fredericksburg	Drop structure with utility encasement	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	154.48	3.52	3.52	2,721
131000163	13	Aransas County Drainage Improvements - Southeast 35 - Project 2	Aransas County	Aransas County Texas Multi-Jurisdictional Hazard Mitigation Action Plan - Action #25: Precinct 1/1A - Southeast 35 - Project 2. Reduce flood risk to buildings and infrastructure by making improvements to the County drainage system	Project planning	27,000	1	0.57	0.86	1	0.5	0.80	0	0	0	0	0	0	3	1.84	0.92	0.71	0.53	0.65	0.38	3.48	2,722
011000170	1	Playa 35 Watershed Study (City of Amarillo)	Amarillo	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects. Marked as high priority in 2019 Amarillo DMP.	Watershed planning	420,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.61	0.46	67.76	3.01	3.48	2,723
031000417	3	Jernigan Road Drop Inlet and Bar Ditch Improvements	Flower Mound	Study for the installation of drop inlet structure and bar ditch grading located on Jernigan Road.	Project planning	250,000	0	0	0	23	2.3	3.46	0	0	0	0	0	0	0	0	0	0	0	0	0	3.46	2,724
021000027	2	De Kalb Stormwater Drainage	City of De Kalb	Citywide evaluation of flooding impacts on streets and drainage structures	Watershed planning	250,000	2	0.94	1.40	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0.26	0.20	0.23	0.14	3.39	2,725
131000212	13	McDonald Crossing of Plumin Creek and Crossing of Nueces River	Real County	Ray McDonald Ranch Road north of the City of Camp Wood in Real County, TX has two low water crossings across the Nueces River. This road is the only ingress/egress point for numerous households to cross the Pullam Creek branch of the Nueces River.	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	2	1.46	0.73	0.30	0.23	0.58	0.34	3.37	2,726
151000248	15	Deta Regional Water Management - Santa Cruz Detention Pond.	Hidalgo County Drainage District 1	a regional detention facility at the Santa Cruz Reservoir, expanding the footprint to approximately 418 acres for flood mitigation and water storage.	Project planning	3,266,280	6	1.62	2.42	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.10	0.08	0.20	0.12	3.36	2,727
131000081	13	Drainage Improvements to Outfall Channel - Lateral AN	San Patricio County Drainage District	Reduce flooding in NE part of Taft. The project will widen and deepen the Main Lateral AN; replace bridge crossings at FM 631, CR 102, CR 77, and CR 81; and armor the ditch section between FM 693 and CR 102 to improve runoff through this section of ditch.	Project planning	760,000	0	0	0	0	0	0	0	0	0	0	0	0	3	1.84	0.92	0.07	0.05	22.51	2.34	3.31	2,728
041000143	4	N Whatley Road Flooding	White Oak	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	2	0.94	1.40	4	1.3	1.89	0	0	0	0	0	0	0	0	0	0	0	0	0	3.30	2,729
151000070	15	Enhance Drainage Systems In Hidalgo	Hidalgo	Add Additional Storm Sewer Line From 5Th Street/Azalea To Texano East To Eight Street. Install 24" Cement Pipe To Help Drainage	Project planning	215,000	3	1.18	1.77	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.27	0.22	0	0	3.29	2,730

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
041000137	4	Hawkins Creek Tributary Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	2.61	1.36	2.61	1.04	3.25	2,731
151000110	15	City of Del Rio Project 14	Del Rio	Cantu Branch Amistad Blvd Road/Culvert Improvement	Project planning	33,005	0	0	0	0	0	0	0	0	0	1	1.03	2.07	3	1.84	0.92	0.30	0.24	0.03	0.02	3.24	2,732
151000344	15	West Bayview Drainage Improvement Phase V	Cameron County Drainage District 4	Proposed ditch to bypass water around the subdivision to existing drainage structure	Project planning	309,613	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0	0	46.46	2.78	3.23	2,733
111000013	11	City of Bulverde Drainage Improvements Study	Bulverde	Study of solutions to replace existing culverts with larger ones, improve drainage channels; clear-out existing drainage channels; survey and remove hazardous trees from drainage systems.	Watershed planning	150,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0.58	0.44	1.44	0.71	3.22	2,734
111000014	11	City of Bulverde Local Flooding Study	Bulverde	Study of solutions to elevate some segments of roadways in various portions of the community to address localized flooding issues.	Watershed planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0.58	0.44	1.44	0.71	3.22	2,734
121000055	12	Detailed Study of Culebra Creek Trib C	Helotes	Three low water crossings of Culebra Creek Tributary C, Beverly Hill Drive, Doheny at FM 1560, and FM 1560. A detailed hydrologic and hydraulic study is needed to determine appropriate drainage improvements	Watershed planning	65,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	3	1.84	0.92	0.28	0.22	0	0	3.21	2,736
151000105	15	City of Del Rio Project 1	Del Rio	Calaveras Creek Railroad Avenue Road/Culvert Improvement	Project planning	33,000	1	0.57	0.86	5	1.4	2.09	0	0	0	0	0	0	0	0	0	0.28	0.22	0	0	3.17	2,737
151000013	15	Laguna Vista Action #11	Laguna Vista	Drainage Improvements: Upgrade 48" drainage pipe located at 1004 Beach Blvd to increase capacity and reduce risk of flood damages	Project planning	92,000	2	0.94	1.40	2	0.9	1.31	0	0	0	0	0	0	1	0.89	0.44	0	0	0	0	3.15	2,738
011000087	1	Spearman City Drainage Master Plan	Spearman	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis and survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains	Watershed planning	250,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.52	0.40	1.00	0.54	3.10	2,739
011000109	1	City of Spearman GIS Development	Spearman	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.52	0.40	1.00	0.54	3.10	2,739
101000225	10	CR175 @ Cedar Creek Trib 1	Caldwell County	Preliminary engineering study to evaluate potential mitigation actions at low water crossing	Project planning	40,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.21	0.17	59.04	2.93	3.09	2,741
131000232	13	Replace Existing Culvert at Six Mile Creek crossing of CR 359 (Ma-B)	Mathis	Project consists of replacing existing culvert with dual 4' X 8' RCB.	Project planning	71,250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	69.29	3.03	3.05	2,742
031000510	3	Floodplain Mapping Updates of Whites Branch Tributary 2.1	Flower Mound	Floodplain mapping updates of Whites Branch Tributary 2.1. Establish BFE's and convert Zone A to Zone AE via a LOMR.	Watershed planning	58,000	0	0	0	1	0.5	0.80	0	0	0	0	0	0	0	0	0	0.05	0.04	18.30	2.21	3.05	2,743
031000460	3	Fannin SWCD Watershed-wide Dam Evaluations	Fannin SWCD	Fannin watershed-wide evaluation of dams to assess flood performance for 100-year and 500-year events. Includes breach analyses mapping, risk indices, hazard classification assessment, and safety performance.	Other	408,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17.32	2.18	3.03	2,744
081000041	8	Fulshear Lakes Drainage Improvements	Fulshear	Design of drainage infrastructure to mitigate flooding in Fulshear Lake development.	Project planning	151,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68.82	3.02	3.02	2,745
131000082	13	Drainage Improvements & Ditch Extension for Outfall Channel - Lateral AS	San Patricio County Drainage District	Reduce flooding in northern residential area of Gregory. Project includes drainage easement acquisition and excavation, culvert installation at FM 3284, CR 106, and FM 136, excavation of Main Lateral AS, armoring of ditch sections prone to erosion.	Project planning	871,000	0	0	0	0	0	0	0	0	0	0	0	0	6	2.52	1.26	0.45	0.35	4.95	1.41	3.02	2,746
071300001	7	City of Abilene Elm Creek Diversion	Abilene	Upstream detention / bypass on Elm Creek	Project planning	800,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.02	0.72	5.11	1.43	3.01	2,747
121000075	12	LWC #71 Danville and Overbrook	San Antonio	This project requires the replacement of existing low water crossing on Danville with an upgraded culvert (2-10'X10' MBC) or bridge to eliminate a low water crossing with some channel modifications upstream and downstream of the crossing	Project planning	2,890,500	0	0	0	0	0	0	0	0	0	1	1.03	2.07	2	1.46	0.73	0.15	0.12	0	0	2.92	2,748
131000234	13	New Pipe at Huerta Street (Ma-D)	Mathis	Project consists of installing 2' RCP beneath Huerta Street between its intersections with Blackburn St and Flores St.	Project planning	10,200	8	1.80	2.70	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0.14	0	0	2.84	2,749
041000136	4	Sabine Street and Railroad Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.62	1.61	3.62	1.23	2.83	2,750
151000018	15	Laguna Vista Action #4	Laguna Vista	Drainage improvements Basin "E": Install upgraded drainage system off Saunders Street and State Highway 510 that drains acreage south of Fernandez Street and north of Morris Street	Project planning	924,000	1	0.57	0.86	1	0.5	0.80	0	0	0	0	0	0	5	2.33	1.17	0.01	0.01	0	0	2.83	2,751
041000140	4	Grace Creek at HG Mosley Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.59	1.60	3.59	1.22	2.82	2,752
131000219	13	Co-C: South Sinton Levee	San Patricio County	Earthen levee to be constructed from S of CR 82 near the RR and to end at CR 2567.	Project planning	121,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45.92	2.77	2.77	2,753
041000145	4	Hill Street Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	4	1.3	1.89	0	0	0	0	0	0	0	0	0	0	0	0	0	2.75	2,754
041000148	4	Harley Ridge Overtopping (North)	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	4	1.3	1.89	0	0	0	0	0	0	0	0	0	0	0	0	0	2.75	2,754
121000007	12	Battle Intense LWC Flow-activated Sensors	Fair Oaks Ranch	Add flow-activated sensors and automated drop-down arms to close off a road when the water has surpassed the road.	Project planning	179,792	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.26	0.21	0.03	0.02	2.74	2,756
101000013	10	Paffen Rd & Grassy Creek Draw	Bastrop County	CMP Upgrade, Cast-in-place multi-box (2) culvert-bridge	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.04	39.26	2.68	2.72	2,757
041000165	4	Grace Creek at Hawkins Pkwy Flooding	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0.40	0.31	0.40	0.24	2.72	2,758
151000235	15	City of Harlingen - Jackson Monroe, and Van Buren Outfall Improvements Project	Harlingen	City of Harlingen - Jackson Monroe, and Van Buren Outfall Improvements Project	Project planning	25,440	4	1.36	2.04	0	0	0	0	0	0	0	0	0	0	0	0	0.93	0.67	0	0	2.71	2,759
151000239	15	City of Harlingen - Hoogland Street Storm Sewer Improvements	Harlingen	City of Harlingen - Hoogland Street Storm Sewer Improvements	Project planning	36,000	4	1.36	2.04	0	0	0	0	0	0	0	0	0	0	0	0	0.92	0.67	0	0	2.70	2,760
031000401	3	Hulen Street/Railroad Conceptual Bridge Span Layout	Burleson	Study to assess the implementation of a 2-span, 34' wide bridge on Hulen st	Project planning	2,956,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0.23	0.19	0.79	0.44	2.70	2,761
131000122	13	Port Aransas Nature Preserve Stabilization and Restoration	Port Aransas, Port of Corpus Christi Authority	Repair of ship channel revetment breaches on northern Mustang Island; Constructing living shoreline near the ship channel; Rebuilding marsh/wetland habitat; Repair of Charlie's Pasture bulkhead; and Permitting this site for elevation via dredged material.	Project planning	680,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.68	1.04	1.69	0.79	2.69	2,762
151000143	15	Webb County Tanquecitos Colonia LOMR	Webb County	Develop a FEMA approved LOMR for the Tanquecitos Colonia in Webb County	Watershed planning	150,000	1	0.57	0.86	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0.17	0.14	0	0	2.64	2,763
131000229	13	Indian Creek Low Water Crossing Crossing	Uvalde County	Low water crossing on Hwy 55 northwest of Uvalde. Existing culvert is six 2 foot corrugated metal pipes. Additional involvement from the City of Concan and Uvalde County is needed to assess potential solutions.	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.14	0.11	0.02	0.01	2.64	2,764

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
131000226	13	County Road 348 on Bear Creek	Uvalde County	Low water crossing on Co. Road 348 in Concan, Texas. This crossing is located on Bear Creek near the confluence to the Frio River and provides access to the Frio River Cabana Park. The existing culvert has five 2 foot corrugated metal pipes.	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.06	0.05	0.12	0.07	2.63	2,765
131000225	13	Seven Bluff Low Water Crossing on Frio River	Uvalde County	Low water crossing on Co. Road 348 in Concan, Texas. This crossing is located on the Frio River and provides access to the Frio River Cabana Park.	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.10	0.08	0.05	0.03	2.63	2,766
131000227	13	Kenneth Arthur Low Water Crossing on Frio River	Uvalde County	Low water crossing on Co. Road 348 in Concan, Texas. This crossing is located on the Frio River. The existing bridge overtops by 37 feet during the 100 year event.	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.12	0.09	0	0	2.61	2,767
121000181	12	San Antonio River Flooding on SH 80	Karnes County	Evaluate alternatives to mitigate SH 80 flooding from the San Antonio River and tributaries	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.12	0.10	14.23	2.05	2.60	2,768
151000113	15	City of Del Rio Project 17	Del Rio	Cantu Branch Amistad - Site 2a Road/Culvert Improvement	Project planning	33,008	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.07	0.06	0.04	0.02	2.59	2,769
131000228	13	Avant Low Water Crossing - Tributary to Frio River	Uvalde County	Low water crossing on Co. Road 348 in Concan, Texas. This crossing is located at an unnamed tributary to the Frio River. The existing culvert has two 2 foot concrete pipes. The 100 year event overtops the road by 18 feet.	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.10	0.08	0	0	2.59	2,770
041000171	4	Hawkins Creek at George Richey Road Overtopping	White Oak	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.02	1.47	3.02	1.12	2.59	2,771
121000024	12	LWC#156 New Sulphur Springs Rd – btwn S. Foster & Gardner	San Antonio	The proposed project will replace the existing culvert system with a bridge approximately 1500' in length. The proposed bridge will span two streams at this location	Project planning	2,290,161	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.09	0.07	0	0	2.59	2,772
121000130	12	Bandera WWTP Study	Bandera County	Wastewater treatment plant is in 100 yr floodplain. Study to find solutions.	Project planning	150,000	2	0.94	1.40	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.01	0.01	0.79	0.45	2.59	2,773
121000076	12	LWC#72 Spencer Lane, east of Balcones Rd.	San Antonio	During a rain storm event, storm water runoff from the East Woodlawn Ditch overtops the road. This project proposes the construction of a culvert crossing to include an associated energy dissipation system, headwall, and outfall structures.	Project planning	487,970	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.07	0.06	0	0	2.57	2,774
121000025	12	LWC #159.1 Southton Rd	San Antonio	The proposed project will replace the existing culvert system with a bridge approximately 1500' in length.	Project planning	963,772	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.03	0.03	0	0	2.54	2,775
131000114	13	Madison St Low Water Crossing Replacement Project	Beeville	Madison St Low Water crossing replacement	Project planning	192,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.02	0.02	0	0	2.53	2,776
151000123	15	City of Del Rio Project 9	Del Rio	San Felipe Creek Academy Street Bridge Replacement	Project planning	33,018	0	0	0	0	0	0	0	0	0	1	1.03	2.07	1	0.89	0.44	0.01	0.01	0	0	2.52	2,777
061000243	6	City of Hilshire Village Master Drainage Plan	Hilshire Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	110,000	1	0.57	0.86	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	2.51	2,778
131000153	13	Cove Harbor Bulkhead Construction	Aransas County Navigation District	Cove Harbor Bulkhead Construction	Project planning	2,453,000	1	0.57	0.86	3	1.1	1.64	0	0	0	0	0	0	0	0	0	0	0	0	0	2.50	2,779
131000170	13	Nueces Off-Channel Reservoir near Lake Corpus Christi	Live Oak County	The Nueces OCR at the proposed location could be operated to capture water that would otherwise spill from LCC while still maintaining freshwater inflows to the Nueces Bay and Estuary (B&E) and could potentially reduce flood events downstream of LCC.	Project planning	65,673,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.08	0.06	8.04	1.71	2.50	2,780
151000240	15	City of Harlingen - Rose Street Storm Sewer Improvement Project	Harlingen	City of Harlingen - Rose Street Storm Sewer Improvement Project	Project planning	32,880	3	1.18	1.77	0	0	0	0	0	0	0	0	0	0	0	0	1.04	0.73	0	0	2.50	2,781
151000170	15	ML06h Woodland	Mission	1715 feet of storm sewer upgrade	Project planning	82,724	2	0.94	1.40	0	0	0	0	0	0	0	0	0	0	0	0	1.60	1.00	0.14	0.09	2.50	2,782
041000155	4	Airline Road Overtopping	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	1.42	0.92	1.42	0.71	2.49	2,783
011000062	1	Quitaque City Drainage Master Plan	Quitaque	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	2	0.94	1.40	1	0.5	0.80	0	0	0	0	0	0	0	0	0	0.11	0.09	0.29	0.18	2.47	2,784
131000184	13	CR 3000 / Keystone Road Drainage Improvements (Frio County Project #10)	Frio County	Drainage study and PS&E for County Road 3000 and Keystone Road. Project cost was developed from the 2022-2023 Proposed Budget for Drainage Projects by the Frio County Road and Bridge Department.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	3	1.84	0.92	0.94	0.67	1.69	0.80	2.39	2,785
131000185	13	CR 4757 / Leona River Road Bridge Replacement (Frio County Project #11)	Frio County	PS&E and bridge replacement at County Road 4757 and Leona River Road. The current road is a single lane bridge and low water crossing.	Project planning	65,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.97	0.69	3.70	1.24	2.38	2,786
151000238	15	City of Harlingen - 7th Street Storm Sewer Improvement Project	Harlingen	City of Harlingen - 7th Street Storm Sewer Improvement Project	Project planning	49,440	4	1.36	2.04	0	0	0	0	0	0	0	0	0	0	0	0	0.39	0.31	0.01	0.01	2.35	2,787
101000238	10	Swenson Farms Improvements at Upper Gilleland Creek (DMP GC-03)	Pflugerville	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	370,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	17.73	2.19	2.26	2,788
071000044	7	City of New Home DMP	New Home	Evaluate City of New Home for a Storm Water Master Plan, flood ordinances, and policies.	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18.51	2.22	2.22	2,789
121000142	12	Cagnon Rd at Polecat Creek (DC-MRN)	Medina County	Replace the existing crossing with an approximately 320-foot long bridge.	Project planning	150,000	1	0.57	0.86	2	0.9	1.31	0	0	0	0	0	0	0	0	0	0	0	0	0	2.16	2,790
151000262	15	FEMA Map	Edcouch	Assessment of the city's floodplain to determine areas of flooding and develop a FEMA map.	Project planning	30,000	3	1.18	1.77	0	0	0	0	0	0	0	0	0	0	0	0	0.48	0.37	0	0	2.14	2,791
031000446	3	City of Dallas Dam Program - Lake Simonds Dam	Dallas	Study of possible rehabilitation of the Lake Simonds Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15.64	2.11	2.11	2,792
151000350	15	Bayview Irrigation District - Laguna Atascosa Gate Upgrade / Expansion	Bayview Irrigation District 11	Larger/more gates needed for more outflow capabilities.	Project planning	282,555	0	0	0	0	0	0	0	0	0	0	0	0	5	2.33	1.17	0	0	2.16	0.93	2.10	2,793
101000129	10	Palmetto Bend Spillway	Jackson County	Emergency Stop Log Deployment System	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.08	13.34	2.02	2.09	2,794
151000080	15	Mercedes Project Area 111	Hidalgo County Drainage District 1	Provide channel and culvert improvements for the outlined ditches. (Mercedes Ditch 19, 19A, Anaquitas Drain)	Project planning	1,151,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	14.08	2.05	2.07	2,795
041000101	4	Lower Wade Creek Flooding	Longview	Perform PER of the area for flood mitigation solution based on H&H analysis from Upper Sabine FIF study.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.04	1.18	2.04	0.90	2.07	2,796
121000020	12	LWC#41 Vance Jackson 200ft south of Scenic	San Antonio	Low Water Crossing needs Bridge/Culvert Improvements with possible advanced warning signals. Associated street reconstruction to include curbs, sidewalks, and driveway approaches be incorporated into the project.	Project planning	283,546	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	2.07	2,797
121000054	12	Detailed Study of Unnamed Trib 3 to Helotes Creek	Helotes	Detailed hydrologic and hydraulic study is needed to determine appropriate drainage improvements.	Watershed planning	40,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	2.07	2,797
121000072	12	LWC #15 Copperhill Between Parkstone & Happy Hollow	San Antonio	Low Water Crossing #15 has approximately 128 acres of storm water that is conveyed through this crossing. This project proposes to construct an underground drainage system to assist in the conveyance of runoff crossing through this section	Project planning	238,773	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	2.07	2,797

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000073	12	LWC #13 West Ave. @ Interpark	San Antonio	Since approximately 2006, residents have complained about flooding within a low point on West Ave. Approximately 173 acres drains through this area. This project will construct an underground drainage system with an earthen channel	Project planning	1,374,680	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	2.07	2,797
131000213	13	Bajo Camino Low Water Crossing	Real County	Project to address the low water crossing at Camino Bajo on the Frio River in Leakey, Texas. The meandering of the Frio River has destroyed the low water crossing.	Project planning	100,000	0	0	0	0	0	0	0	0	0	1	1.03	2.07	0	0	0	0	0	0	0	2.07	2,797
131000214	13	Sp-A: Glen Erin Estates Improvements	San Patricio	Project consists of six 4' X 4' RCBs installed beneath Murray Lane in addition to regrading of a trapezoidal channel upstream of the site and near Galway Drive.	Project planning	72,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.58	0.44	6.98	1.62	2.07	2,802
101000068	10	Lake Junction Dredging	Junction	Dredge Lake Junction	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14.47	2.07	2.07	2,803
131000180	13	Petronilla Drainage Improvements Feasibility Study	Petronila	Petronilla Drainage Improvements Feasibility Study	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.17	0.14	3.09	1.13	2.00	2,804
091000025	9	Crockett County DMP	Crockett County	Create Drainage Master Plan, including evaluation of potential mitigation projects.	Watershed planning	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.70	0.52	5.35	1.46	1.98	2,805
091000026	9	Crockett County FEMA Mapping	Schleicher County	Update existing FEMA Mapping	Watershed planning	985,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.70	0.52	5.35	1.46	1.98	2,805
091000027	9	Crockett County GIS Development	Crockett County	Develop a GIS inventory of stormwater infrastructure	Other	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.70	0.52	5.35	1.46	1.98	2,805
041000158	4	Ray Creek at Piller Precise Rd Overtopping	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.77	1.07	1.77	0.82	1.89	2,808
151000135	15	ES-100	Edinburg	Correct out of bank ponding due to flooding by adjusting the low overbank areas and lower channel banks and fix culverts at Doolittle and Raul Longoria to prevent conveyance restriction during larger storm events. Allow for greater conveyance of water by replacing the outlet gate to the South Main Drain and replacing 10' X 10' RCB along Cesar Chavez and Dirt Road with new material. Increasing the size of RCB on Doolittle and Raul Longoria to 10' X 10' RCB.	Project planning	2,241,833	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.06	9.93	1.84	1.89	2,809
151000349	15	Bayview Irrigation District - Laguna Atascosa Outfall Expansion	Bayview Irrigation District 11	Refuge hinders outfall cap for Bayview ID11 Coop Needed for more outflow/larger gates	Project planning	473,616	0	0	0	0	0	0	0	0	0	0	0	0	4	2.12	1.06	0	0	1.75	0.81	1.87	2,810
151000241	15	City of Harlingen - Beck and Breedlove Storm Sewer Improvement Project	Harlingen	City of Harlingen - Beck and Breedlove Storm Sewer Improvement Project	Project planning	21,840	0	0	0	0	0	0	0	0	0	0	0	0	6	2.52	1.26	0.16	0.12	0.84	0.47	1.85	2,811
131000089	13	Wesley Seale Dam Inspection	Corpus Christi	This project is for the detailed inspection of the Wesley Seale Dam structure and system components.	Project planning	375,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.03	1.84	1.84	2,812
131000080	13	Humble Channel Drainage Improvements & Ditch Extension	San Patricio County Drainage District	Reduce flooding in the residential area of Ingleside located to the east of Emory Ballard Dr. via improvements to Humble Channel Outfall, installation of crossings at Emory Ballard Dr., acquisition of easements, and excavation of new drainage ditches.	Project planning	281,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.25	0.20	3.28	1.17	1.81	2,813
131000160	13	Expanding Drainage System to Newly Developed Areas	Sinton	Expanding the citywide drainage system to include the newly developed residential areas	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9.42	1.80	1.80	2,814
121000171	12	S Evans Rd Road Improvements Study	Von Ormy	Study to improve the road and remove it from being flooded during heavy rains.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.20	0.16	3.24	1.16	1.76	2,815
131000115	13	County Road 6- North Carreta Creek Drainage Improvements	Nueces County	Restoration project to bring this section of North Carreta creek (located between CR6 and Meadowbrook Road) back to its original elevation as built by USDA Soil Conservation Service in 1960. Located in Bishop, TX.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.81	1.76	1.76	2,816
101000239	10	Weiss Lane Improvements at Wilbarger Creek (DMP WC-01)	Pflugerville	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	110,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.10	7.32	1.65	1.75	2,817
021000024	2	Nash Unnamed Stream 1	Bowie County	Debris, Vegetation Removal, and Channelization	Preparedness	250,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	1.80	0.83	1.71	2,818
021000025	2	Nash Unnamed Stream 2	Bowie County	Debris, Vegetation Removal, and Channelization	Preparedness	250,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	1.80	0.83	1.71	2,818
011000070	1	Cashion City Drainage Master Plan	Cashion Community	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25	0.20	5.85	1.51	1.71	2,820
131000111	13	FM1356 Channel Improvements	Kingsville	Increase the capacity of the channel just north of Paulson Falls. This is one of the main entrances to the naval air station.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	5	2.33	1.17	0.02	0.01	0.93	0.51	1.69	2,821
131000092	13	601 Racine Street Easement & Outfall Project	Aransas County	Acquire drainage easements in natural wetlands and construct new outfalls.	Project planning	75,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.03	0.03	0	0	1.61	2,822
101000233	10	Hidden Lake Drive Improvements at Wilbarger Creek Tributary 200 (DMP WC-02)	Pflugerville	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	280,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.06	6.00	1.53	1.58	2,823
121000128	12	Bandera Patterson Street Study	Bandera County	Impairs travel for citizens to reach community lifeline services. Study to upgrade road.	Project planning	150,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.15	0.12	0.22	0.13	1.56	2,824
101000125	10	Alum Creek - Tributary 8, Bowie Drive	Bastrop County	Replace CMPs with larger multi-box culvert	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	6.08	1.54	1.55	2,825
151000138	15	SM-103	Edinburg	Increase collection areas for the system along Closner Blvd.	Project planning	108,773	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	5.79	1.51	1.53	2,826
101000235	10	North Heatherwilde Improvements at Upper Gilleland Creek (DMP GC-02)	Pflugerville	Evaluate proposed improvements to include H&H modeling with Atlas 14 rainfall, limited field survey and geotechnical investigations, prelim design of improvements, risk reduction analysis, NAI verification, cost estimate, BCA, and constraint evaluation	Project planning	1,200,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	5.72	1.50	1.52	2,827
071000077	7	Town of Aspermont DMP	Aspermont	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.76	0.56	2.00	0.88	1.45	2,828
071300012	7	Hamlin Dam Improvements	Jones County	Harden earthen dam at Hamlin South Lake per request of TCEQ.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.46	0.36	2.46	1.00	1.36	2,829
071300013	7	Hamlin South Lake Dam Diversion	Jones County	Divert water to prevent breaching of Hamlin South Lake Dam.	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.46	0.36	2.46	1.00	1.36	2,829
131000078	13	Airport Rd - Recurring Flooding & Project Location	Live Oak County	Improved drainage to reduce disruptions due to flooding in the vicinity of the Live Oak County Airport. The area surrounding the airport is subject to flood inundation, thereby cutting off access to the airport and also on the future runway extension.	Project planning	13,000	0	0	0	0	0	0	0	0	0	0	0	0	3	1.84	0.92	0.41	0.32	0.10	0.06	1.30	2,831
151000014	15	Laguna Vista Action #12	Laguna Vista	Drainage Improvements: Relocate and upgrade existing 36" drainage pipe located at 1026 Beach Blvd to increase capacity and reduce risk of flood damages	Project planning	92,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0	0	0	0	1.30	2,832
121000166	12	FM1346 Crossing Upgrade Study	Bexar County	A hydraulic study is needed to evaluate alternatives to removing the FM1346 crossing from overtopping. Improvements to this road are important due to limited detour routes available.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.36	0.28	1.05	0.56	1.29	2,833

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
131000144	13	Outfall No. 2	Port Aransas	Hazard mitigation drainage improvements for the City of Port Aransas. Outfall 2 is a trapezoidal channel and goes northwest from SH 361 to an existing basin. Outfall is approximately 5.7 miles SSW of Aransas along SH 361.	Project planning	48,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.38	0.30	0.95	0.52	1.26	2,834
081000045	8	Sienna North Levee System Drainage	Sienna Plantation LID	Design of channel improvements to mitigate flow caused by increased development.	Project planning	236,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0	0	1.68	0.79	1.24	2,835
081000044	8	Sienna South Levee System Drainage	Sienna Plantation LID	Design of lake and channel modifications to mitigate development in the area.	Project planning	320,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.63	1.23	1.23	2,836
121000176	12	CR 237 at Marcelinas Creek	Karnes County	Evaluate upgrades to existing bridge with consideration of backwater from San Antonio River	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.45	0.35	0.59	0.34	1.14	2,837
151000008	15	Indian Lake Action #12	Indian Lake	Upgrade/Elevate Henderson Road bridge over Resaca to remove from potential floodway, reduce the risk of damages, and maintain critical access route	Project planning	185,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	2.74	1.06	1.14	2,838
011000094	1	White Deer City Drainage Master Plan	White Deer	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.07	1.13	1.13	2,839
131000158	13	Channel Outfall Drainage Improvement Project	Sinton	Improving outfall structures to Chiltipin Creek	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	4	2.12	1.06	0.08	0.06	0	0	1.12	2,840
151000164	15	ML06a Holland A	Mission	10360 feet of storm sewer upgrade	Project planning	352,871	0	0	0	0	0	0	0	0	0	0	0	0	4	2.12	1.06	0.08	0.06	0.00	0.00	1.12	2,841
151000257	15	Structure 606AL and Ditch Improvements BP 22	Hidalgo County Drainage District 1	0.4 miles of channel improvements include ditch widening and new gatewell structure with pump at IBWC Leevee Structure 606 AL, north of SH 107	Project planning	205,200	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0.21	0	0	1.07	2,842
151000114	15	City of Del Rio Project 18	Del Rio	Cantu Branch Amistad - Site 2b Road/Culvert Improvement	Project planning	33,009	0	0	0	0	0	0	0	0	0	0	0	0	3	1.84	0.92	0.18	0.14	0	0	1.06	2,843
051000132	5	Star Lake Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.31	0.19	1.04	2,844
151000139	15	SM-104	Edinburg	Land acquisition and a drainage ditch system to convey the runoff from the existing development and adjacent future developable areas.	Project planning	195,061	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.14	0	0	0.99	2,845
121000126	12	Bandera English Crossing Study	Bandera County	This low water crossing can sometimes remain flooded for months. Study to upgrade road.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.35	0.28	0.44	0.26	0.99	2,846
121000008	12	Rolling Acres Trail LWC Flow-activated Sensors	Fair Oaks Ranch	Add flow-activated sensors and automated drop-down arms to close off a road when the water has surpassed the road.	Project planning	359,585	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.29	0.23	0	0	0.96	2,847
131000100	13	Bee Road Drainage Improvements	Aransas County	Construct drainage channel from Hwy 35 Bypass to Port Bay. Easements needed from three property owners	Project planning	225,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.02	0.02	0.35	0.21	0.96	2,848
031000441	3	City of Dallas Dam Program - Bachman Lake Dam	Dallas	Study of possible rehabilitation of the Bachman Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.06	2.00	0.88	0.94	2,849
151000253	15	Bates Lateral Ditch Extension BP 17	Hidalgo County Drainage District 1	Channel improvements include excavation of the Bates Lateral Ditch towards S. Abram Road and new storm drainage system along Apache Street and Navajo Street towards S. Abram Road, outfallin at the Bates Lateral Ditch Extension.	Project planning	223,200	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.07	0	0	0.93	2,850
121000118	12	La Vernia Issue # 5 (Hwy 87 crossing and CR 342)	La Vernia	Study to assess city acquiring drainage easements in the area upstream of the Highway 87 crossings, as well as the area between the crossings at Highway 87 and the crossing at CR 342 for the purpose of constructing a channel.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	1.99	0.88	0.89	2,851
041000157	4	Old Gladewater Highway Overtopping	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0.02	0.01	0.89	2,852
041000124	4	Rabbit Creek at SH 31 Overtopping	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.86	2,853
091000080	9	San Angelo Street Flooding 16	Tom Green County	Low water crossing, street flooding. Red Bluff Rd. at Lincoln Park Rd	Project planning	25,000	1	0.57	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.86	2,853
131000162	13	Aransas County Griffith Street Drainage Improvements	Aransas County	Aransas County Griffith Street Drainage Improvements	Project planning	97,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.88	0.85	0.85	2,855
121000131	12	Bandera 470 and Indian Creek Study	Bandera County	Blocks public access to lifelines in Bandera. Study to upgrade road.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.15	0.12	0	0	0.85	2,856
131000094	13	Holiday Beach East Drainage System Improvement	Aransas County	Construct outfall east to Aransas Wildlife Refuge and construct outfall west to HWY 35 Bypass. Construct culvert under Hwy 35 Bypass. Improve drainage channel from Hwy 35 Bypass to Copano Bay.	Project planning	300,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.13	0.11	0	0	0.84	2,857
121000139	12	Garcia Creek Channel Stabilization	Castroville	Preliminary Engineering to identify stabilization methods and sizing.	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.06	0.05	0.09	0.06	0.83	2,858
121000132	12	Bandera 470 and Medina River Study	Bandera County	Blocks people of Tarpley from EMS and other lifelines in the city of Bandera. Study to upgrade road.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.47	0.37	0	0	0.81	2,859
151000056	15	Pump Station E & Sump	Hidalgo County Drainage District 1	Pump Station E & Sump	Project planning	125,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.72	0.80	0.80	2,860
101000014	10	Meduna Rd & Barton Oaks Draw 1	Bastrop County	LWC to Culvert, Cast-in-place box culvert-bridge	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.05	1.55	0.75	0.80	2,861
151000054	15	Pumps & Sumps	Hidalgo County Drainage District 1	Remove gate and improve embankment	Project planning	9,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.70	0.80	0.80	2,862
131000051	13	N Roosevelt Street and Chapparal Road Drainage- FH#8	Pearsall	Install series of underground storm water lines and drop structures on N Roosevelt Street acquiring drainage easement of 12500 SF north of intersection of S Roosevelt Street and Chapparal Road outfalling to existing earthen swale on Nail Road(CR2015).	Project planning	749,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.08	0.06	0	0	0.79	2,863
151000122	15	City of Del Rio Project 8	Del Rio	San Felipe Creek Canal Street Bridge Replacement	Project planning	33,017	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.07	0.06	0	0	0.79	2,864
131000187	13	CR 3300 / South Goldfinch Road Roadway Reconstruction and Drainage Improvements (Frio County Project #13)	Frio County	PS&E project to re-construct roadway and make drainage improvements to County Road 3300 and South Goldfinch Road.	Project planning	859,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.25	0.20	0.24	0.14	0.78	2,865
131000183	13	North Pearsall Drainage Improvements (Frio County Project #5)	Frio County	Project to make drainage improvements at three locations in North Pearsall, Texas. Crossing No 1 is at Horizon West Drive (CR 1056), Crossing No 2 is at Armadillo Road (CR 1143), and Crossing No 3 is at Nolan Road (CR 1001).	Project planning	197,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.06	0.05	0	0	0.78	2,866
131000113	13	Lang Road Drainage Ditch and Outfall	Portland	This is the location of a future project a drainage ditch is needed to alleviate flooding created by increased development. The ditch would run south from Lang Road to the bay.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.01	0.54	0.32	0.77	2,867
131000071	13	Easement Outfall Loop 70 & Shell Ridge Rd	Rockport	Purchase Drainage easement and construct outfall ditch south of Church St.	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.04	0.03	0	0	0.76	2,868
081000990	8	LID 2 Watershed Analysis	Sugar Land	Complete a drainage study for the Sugar Creek neighborhood to mitigate flooding risk.	Watershed planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.56	0.75	0.75	2,869

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
121000111	12	Culvert Improvement on Highway 239 in Tivoli	Tivoli Community	Culverts on Highway 239 in Tivoli are too small causing water to get in houses. Study to find alternatives to determine solutions for this drainage issue.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.01	0.01	0	0	0.74	2,870
131000085	13	Modify Pump Station Outfalls	Rockport	Modify outfalls of pump station that pump into Aransas Bay at Murray, Morgan, Lamar, Corpus Christi and 1st St. Raise outfall so above sea level to reduce backwater effect on the system.	Project planning	327,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0.01	0.01	0	0	0.73	2,871
121000110	12	Culvert improvement on Hatch St in Tivoli	Tivoli Community	The bridge on Hatch Street in Tivoli was replaced with a culvert which drains slow and causes the water to breach the levee. Study to find alternatives to determine solutions for this drainage issue.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	2	1.46	0.73	0	0	0	0	0.73	2,872
081000989	8	New Territory Inlet Replacements	Sugar Land	Update storm water inlets.	Project planning	92,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.00	0.00	0.38	0.23	0.68	2,873
131000172	13	Diversion from the Nueces River to Choke Canyon	Live Oak County	Rent large, high capacity mobile diesel pumps to pump water from Nueces River to Choke Canyon during flood events.	Project planning	11,702,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.02	0.33	0.20	0.66	2,874
131000120	13	Redfish Bay Protection and Enhancement	Texas General Land Office	Coastal Texas Protection and Restoration Feasibility Study - SP1 Restoration of the Dagger, Ransom, and Stedman Island complex via introduction of breakwater and supporting reefballs along the backside of Redfish Bay and on the bayside of the islands.	Project planning	51,613,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.87	0.63	0	0	0.63	2,875
061000491	6	Montgomery County MUDs 83,84 - Alternative 4 and 6B PER	Montgomery County MUD 83, Montgomery County MUD 84	Further define Alternative 4 and 6B recommended in the Oakhurst Drainage System & Bentwood Diversion Channel Flood Reduction Study (March 2021) including performing a benefit cost analysis.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.85	0.62	0	0	0.62	2,876
151000144	15	Summers Regional Detention Pond and 100-year channel system	Webb County Drainage District 1	Develop the City of Laredo Summer's Pond into a regional detention pond to improve stormwater management of existing development downstream and reduce perpetual maintenance costs for the Webb County Drainage District No.1. Additional improvements include an earthen channel designed for the 100-year storm event to convey runoff from proposed multiple developments within the Chacon Creek Tributrary 2A watershed. This project will include H & H and environmental studies and a CLOMR/LOMR request through FEMA to update flood risk maps accordingly.	Project planning	4,885,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.05	1.05	0.56	0.61	2,877
151000052	15	Pump Station A & Sump A	Hidalgo County Drainage District 1	Pump Station A & Sump A	Project planning	213,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.16	0.61	0.61	2,878
011000075	1	Shamrock City Drainage Master Plan	Shamrock	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis and survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains, wetlands, and playa lakes.	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.69	0.52	0.14	0.08	0.60	2,879
011000104	1	City of Shamrock GIS Development	Shamrock	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.69	0.52	0.14	0.08	0.60	2,879
131000099	13	Mack Road Drainage Improvements	Aransas County	Construct drainage channel from Hwy 35 Bypass to Port Bay. Easements needed from three property owners.	Project planning	300,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.01	0.21	0.13	0.59	2,881
151000037	15	Pump Station K	Hidalgo County Drainage District 1	Pump Station K	Project planning	165,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.11	0.59	0.59	2,882
131000097	13	Mohawk Ave Drainage Improvements	Aransas County	Construct drainage channel to connect existing ponds (supported by property owner)	Project planning	300,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.01	0.20	0.12	0.58	2,883
091000125	9	North Fork Red Arroyo Detention	Tom Green County	8 ac and 12 ac regional detention basins	Other	25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.09	0.58	0.58	2,884
121000090	12	Damage Center 32-Six Mile Creek	San Antonio	the proposed pond would have a direct impact on the flow in Normoyle Ditch, it is recommended that the required drainage structures be r.eanalyzed	Watershed planning	9,392,589	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.15	0.12	0	0	0.57	2,885
121000120	12	Escondidio Creek WS SCS Site 1, 2, 4 Dam	San Antonio River Authority	Rehabilitation of Escondido Creek 1,2, and 4 to ensure passage of the PMF.	Project planning	300,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.02	0.55	0.55	2,886
121000116	12	Recommend for Wilson Roadways-Project 3-CR 122 & Mariana Creek	Wilson County	Upgrade crossing so that it provides a safe evacuation route during large storm events.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.12	0.10	0	0	0.54	2,887
121000170	12	South Benton City Road Improvements Study	Von Ormy	Study to improve the road and remove it from being flooded during heavy rains.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.10	0.08	0.02	0.02	0.54	2,888
121000048	12	D/O Center A (Old Pearsall road at Medio Creek)	San Antonio	Old Pearsall Rd overtopping at Medio Creek Bridge and backwater conditions created from RailRoad Bridge DS Old pearsall rd	Project planning	1,959,014	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.11	0.09	0	0	0.53	2,889
121000152	12	Nichols Creek Stabilization	San Antonio River Authority	Restoration of Nichols Creek to improve stream function including conveyance of flow and sediment.	Project planning	1,000,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.01	0.01	0.10	0.06	0.52	2,890
151000109	15	City of Del Rio Project 13	Del Rio	Cantu Branch Margaret Lane Road/Culvert Improvement	Project planning	33,004	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.08	0.06	0	0	0.51	2,891
131000093	13	Club Lake Drainage Channel	Aransas County	Construct drainage channel from Club Lake to FM 1069. Most easements have been acquired; still negotiating with one property owner and condemnation likely required for another property	Project planning	300,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.00	0.00	0.09	0.05	0.50	2,892
121000102	12	Erosion at CR 401 and Cibolo Creek	Wilson County	Phase I: Engineering study of design solutions to erosion of CR 401 at Cibolo Creek.Phase II: Implementation of stabilization project to address stream incision and erosion CR 401 at Cibolo Creek.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.07	0.06	0	0	0.50	2,893
041000175	4	Rabbit Creek at Spinks Chapman Overtopping	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.36	0.28	0.36	0.22	0.50	2,894
131000068	13	William's Drive Drainage Improvements Phase 2 - Lexington to Ennis Joslin	Corpus Christi	Study to determine appropriate alternatives to increase capacity of existing William's Ditch from Lexington Road to Ennis Joslin Road.	Project planning	138,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.01	0.01	0.05	0.03	0.48	2,895
121000092	12	LWC at Ammann Rd and Post Oak Creek	Kendall County	Improve the low water crossing at Ammann Road and Post Oak Creek	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.04	0.03	0	0	0.48	2,896
121000125	12	Bandera State Highway 173 Study	Bandera County	Prevents access to citizens from the city. Study to upgrade crossing.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.04	0.03	0	0	0.48	2,896
121000147	12	Recommend for Wilson Roadways - Project 7 - CR 119 & Mariana Creek	Bandera County	Study: Upgrade bridge so that it provides a safe evacuation route during large storm events.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.04	0.03	0	0	0.48	2,896
131000069	13	William's Drive Drainage Improvements Phase 3 - Rodd Field to Lexington	Corpus Christi	Study to determine appropriate alternatives to increase capacity of existing William's Ditch from Rodd Field Road to Lexington Road, as well as to acquire Right of Way (ROW) at William's Drive to implement these drainage improvements.	Project planning	293,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.01	0.01	0.03	0.02	0.47	2,899
121000013	12	Karnes County Damage Centers Karnes A	Falls City	Multiple structures at risk Within San Antonio River at US 181	Project planning	4,243,043	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.03	0.02	0	0	0.47	2,900
121000016	12	Antonio Drive Drainage Improvements	Helotes	Bridge at Los Reyes Creek and Antonio Dr	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.03	0.02	0	0	0.47	2,900
131000119	13	Silver Creek Bridge	Bee County	COASTAL BEND MITIGATION ACTION PLAN - BE - 03 Silver Creek Rd. Build a 26 ft. wide by 100 ft. long bridge 100. The low water crossing at Silver Creek Rd., across silver creek, floods during and after heavy rains, trapping approximately 30 residents.	Project planning	47,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.03	0.02	0	0	0.47	2,902
131000098	13	Nell Road Drainage Improvements	Aransas County	Construct drainage channel from Nell Road to outfall (route undefined).	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.02	0	0	0.46	2,903

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
131000047	13	W Pena St and N Mulberry St Drainage Improvements- FHI#4	Pearsall	Install series of underground storm water trunk lines and drop structures along Pena street and N Willow street tying into the existing 10'x4' concrete boxes on N Mulberry Street.	Project planning	529,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.02	0	0	0.46	2,904
121000049	12	Damage Center 1 Project2A – Improved crossing at U.S. Highway 181	Poth	Creek crossing improvements on HWY 181. Ponding upstream to an elevation that inundates adjacent homes.	Project planning	1,928,035	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.02	0	0	0.46	2,905
121000053	12	Parrigin Road Drainage Improvements	Helotes	Parrigin Road low water crossing at Helotes Creek Tributary A floods frequently, limiting access for nearby residences	Project planning	295,580	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.02	0.02	0	0	0.46	2,905
121000101	12	Recommend for Wilson Roadways - Project 5 - CR 108 & Mariana Creek	Wilson County	Upgrade crossing so that it provides a safe evacuation route during large storm events.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.89	0.44	0.01	0.01	0	0	0.45	2,907
151000258	15	Donna North Lateral Extension BP 23	Hidalgo County Drainage District 1	Construction of stormwater pump station and force main across 12, west of FM 493	Project planning	97,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.51	0.39	0.05	0.03	0.42	2,908
151000140	15	MC-100	Edinburg	New channel improvements and alignmernt to collect the system area runoff and convey it to the Monte Cristo Drain. Included In plan	Project planning	346,210	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.75	0.42	0.42	2,909
151000055	15	Pump Station D	Hidalgo County Drainage District 1	Pump Station D	Project planning	165,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.73	0.42	0.42	2,910
151000250	15	South Main Drain BP 3	Hidalgo County Drainage District 1	5.6 miles of channel improvements includes wideingin within existing right of way. From FM493 to FM 907	Project planning	1,381,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.21	0.17	0.35	0.21	0.38	2,911
151000026	15	Los Fresnos Action #31	Los Fresnos	Deepen drainage area in Resaca Escondido and Falcon Lake to increase storm water retention capacity	Project planning	185,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	0.56	0.33	0.35	2,912
011000068	1	Windthorst City Drainage Master Plan	Windthorst	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.59	0.35	0.35	2,913
151000252	15	PD Lateral rain - Extensions 2, 3 and 5 BP 15	Hidalgo County Drainage District 1	2 miles of channel improvements include widening Laterals 2,3, and 5 within United Irrigation District Right of way	Project planning	376,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.42	0.33	0	0	0.33	2,914
041000160	4	County Road 1114 Overtopping	Rusk County	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.18	0.22	0.13	0.31	2,915
011000084	1	Vega City Drainage Master Plan	Vega	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11	0.09	0.28	0.17	0.26	2,916
051000135	5	City of Daisetta Drainage Projects	Daisetta	Evaluate project to quantify benefits, evaluate impacts, and begin design. Project consists of drainage improvements throughout the city to include widening culverts and ditches.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.43	0.25	0.25	2,917
131000079	13	Drainage improvements at Mission River Park in Refugio	Refugio	Reduce flooding at Mission River Park in Refugio.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0.15	0.16	0.10	0.24	2,918
151000242	15	City of Harlingen - Dilworth Storm Sewer Improvement Project	Harlingen	City of Harlingen - Dilworth Storm Sewer Improvement Project	Project planning	30,960	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.24	0	0	0.24	2,919
151000251	15	Ditch 1.9, 2, and 4a- La Villa/ Edcouch/ Elsa BP 8	Hidalgo County Drainage District 1	4.3 miles of channel improvements includes excavating and widening in new and existing right of way, including additional culvert crossings, with new pump station	Project planning	2,761,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.29	0.23	0	0	0.23	2,920
101000061	10	Prepare Evacuation Plan	Mountain City	Evacuation plan development	Preparedness	25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.38	0.23	0.23	2,921
101000126	10	Flood Proofing Repetitive Loss Structures	Mountain City	Flood-proofing repetitive loss structures identified by FEMA	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.38	0.23	0.23	2,921
051000140	5	DeQueen Additional Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0.21	0.01	0.01	0.22	2,923
151000036	15	Pump Station J & Sump	Hidalgo County Drainage District 1	Pump Station J & Sump	Project planning	311,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.34	0.20	0.21	2,924
151000057	15	Pump Station F & Sump	Hidalgo County Drainage District 1	Pump Station F & Sump	Project planning	480,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.33	0.20	0.20	2,925
091000078	9	San Angelo Street Flooding 14	Tom Green County	Heavy street flow, street flooding. Robin Hood at Amistad	Project planning	25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20	0.16	0.06	0.04	0.20	2,926
011000191	1	Chillicothe City Drainage Master Plan	Chillicothe	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on additional outreach	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.05	0.23	0.14	0.19	2,927
041000161	4	Mitchell Lake Outfall	Lakeport	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.10	0.13	0.08	0.18	2,928
151000035	15	Pump Station I & Sump	Hidalgo County Drainage District 1	Pump Station I & Sump	Project planning	389,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.27	0.16	0.16	2,929
031000448	3	City of Dallas Dam Program - Woody Branch Dam	Dallas	Study for the implementation of erosion protection, RCC separation, survey monumentation, and redoing service road	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25	0.15	0.15	2,930
151000115	15	City of Del Rio Project 19	Del Rio	Cantu Branch Kings Way/Amistad Blvd Storm sewer Improvement	Project planning	33,010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0.14	0	0	0.14	2,931
051000057	5	City of Arp Master Drainage Plan	Arp	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	1,300,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.14	0.14	2,932
151000166	15	ML06d Conway B	Mission	476 feet of storm sewer upgrade	Project planning	28,736	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.13	0.13	2,933
051000060	5	Willie Nerron Road and Gillan Creek Bridge Replacement	Angelina County	Evaluate bridge improvements (upgrade bridge and increase channel flow) to current crossing to develop costs, quantify benefits, evaluate impacts, and begin design.	Project planning	325,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	0.12	0.02	0.01	0.13	2,934
101000196	10	Navidad River - Stem Branch Erosion Control Structure Project Planning	Jackson County	Project planning for project to replace erosion control structure. Develop technical data required for FMP.	Project planning	40,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.13	0.13	2,935
151000261	15	LF Drain Nolana Extention BP 26	Hidalgo County Drainage District 1	Channel and culvert improvements include excavation of new drainage ditch and drainage culverts from Earling Road to LJ Drain.	Project planning	328,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.15	0.12	0	0	0.12	2,936
081000987	8	Telfair Inlet Replacements	Sugar Land	Update storm water inlets.	Project planning	73,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.19	0.11	0.11	2,937
011000069	1	Petrolia City Drainage Master Plan	Petrolia	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on the needs analysis	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0.11	0.11	2,938
121000138	12	Bandera Substation In Floodplain Study	Bandera County	Electrical sub-station is in 100 yr floodplain. Study to find solutions.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0.11	0.11	2,939
151000165	15	ML06b & ML06c Stacie / Conway A	Mission	1831 feet of storm sewer upgrade. Channel improvements of 2415 feet	Project planning	90,402	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.10	0.10	2,940
151000246	15	City of Harlingen - Cantu Lateral Ditch Improvement Project	Harlingen	City of Harlingen - Cantu Lateral Ditch Improvement Project	Project planning	42,583	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.10	0	0	0.10	2,941
151000038	15	Pump Station L	Hidalgo County Drainage District 1	Pump Station L	Project planning	165,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.10	0.10	2,942
151000058	15	Pump Station G & Sump	Hidalgo County Drainage District 1	Pump Station G & Sump	Project planning	272,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16	0.10	0.10	2,943
101000008	10	Clear Springs Lake Dam	Bastrop County	Design & implement Clear Springs Lake Dam Improvements	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.12	0.07	0.07	2,944
151000255	15	South Abram Lateral Drain BP 19	Hidalgo County Drainage District 1	Channel improvements include widening of south Abram Lateral and storm drainage system along West Loop 374 between Chihuahua Drive and Los Charcos Dr. to south Abram Lateral Drain.	Project planning	228,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.06	0	0	0.06	2,945

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
151000244	15	City of Harlingen - Hapner Street Storm Sewer Improvement Project	Harlingen	City of Harlingen - Hapner Street Storm Sewer Improvement Project	Project planning	20,064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.06	0	0	0.06	2,946
041000159	4	Cassidy Lane Overtopping	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.04	0.03	0.04	0.02	0.06	2,947
121000052	12	Damage Center 2 (South Tributary to Stockdale Creek)	Stockdale	Detention South Tributary to Stockdale Creek near the eastern city limit	Project planning	660,768	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09	0.05	0.05	2,948
151000236	15	City of Harlingen - 1st Street Storm Sewer Improvement Project	Harlingen	City of Harlingen - 1st Street Storm Sewer Improvement Project	Project planning	38,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.05	0	0	0.05	2,949
061000050	6	West Chocolate Bayou (CR 383 Ditch)	Brazoria Drainage District 4	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	253,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0.05	0.03	0.05	2,950
151000145	15	Lago Dam to Regional Pond Conversion	Webb County Drainage District 1	Pond improvements will include lowering and expanidn the existing berm, installing an outlet structure with 48" RCP and concrete spillway, and extending existing conventional systems currently draining into the dam. An access road will also be constructed for maintenance access. Project to include H & H and environmental studies coordination with TCEQ, and a CLOMR/LOMR request through FEMA to update flood risk maps	Project planning	858,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.06	0.04	0.04	2,951
151000259	15	Ditch F-13-00 and F-02-00 Improvements BP 24	Hidalgo County Drainage District 1	4.7 miles of channel improvements include widening Ditches F-13-00 and F-02-00 within existing right of way, from Hwy 281 to Floodway Leevee.	Project planning	175,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.04	0	0	0.04	2,952
061000554	6	Texas Avenue-Magnolia-MedicalCenterBlvd-Hwy3 Drainage Improvement Study	Webster	Evaluate existing flood risk in a portion of the city bounded by Magnolia St, Texas Avenue, Hwy3, and Medical Center Blvd. Identify solutions to mitigate flood risk in this area.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0.03	0.02	0.03	2,953
131000077	13	Wright Avenue Drainage Improvements	Ingleside	Easement Acquisition and construction of two channels between Wright Ave. and McCampbell Slough; channel widening from the north side of the existing hotel properties to the west and tie-in with McCampbell slough. Addresses Nystrom Property area flooding.	Project planning	60,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.03	0.03	2,954
051000051	5	City of Athens Master Drainage Plan	Athens	Perform H&H modeling to identify and define flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives, and rank projects. Conceptual alternatives should evaluate feasibility of nature based solutions.	Watershed planning	31,056	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	0	0	0.02	2,955
131000218	13	Co-B: County Road 1136 Improvements	San Patricio County	Existing culverts to be upsized under CR 1136 near the railroad.	Project planning	37,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0	0	0.02	2,956
061000053	6	East Chocolate Bayou (E103-00-00)	Brazoria Drainage District 4	Further study including Atlas 14 rainfall incorporation and Benefit Cost Analysis of proposed channel modifications included in the City of Pearland master drainage plan.	Project planning	48,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0	0	0.02	2,957
131000165	13	Aransas County Drainage Improvements - Project 3	Aransas County	Aransas County Texas Multi-Jurisdictional Hazard Mitigation Action Plan - Action #62: Master Plan - Drainage Improvements - Project 3 - Market St (FM1069) at SH 35 Bypass, Hickory & Steart	Project planning	231,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0.02	2,958
041000168	4	Meadows Lane Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	2,959
131000095	13	Sparks Colony Drainage Improvements	Aransas County	Construct drainage channel from Rattlesnake Point Road to Bailey Ranch. Project partially constructed, but easements still needed from two property owners.	Project planning	225,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.01	2,960
151000034	15	Pump Station H & Sump	Hidalgo County Drainage District 1	Pump Station H & Sump	Project planning	218,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.01	0.01	2,961
151000188	15	MI02 El Dorado	Mission	180 feet of storm sewer upgrade and an extension of storm sewer of 2320 feet	Project planning	81,223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.01	2,962
131000084	13	Euclid Stormwater Pump Station Improvements	Aransas Pass	Pump house is at risk of notable damage due to hurricane winds and flooding during large rain events, and it's capacity is undersized for peak flood flows. Improvements needed to improve maintenance access, flood resiliency, and to facilitate more pumps.	Project planning	900,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.01	2,963
061000026	6	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	Harris County	Alternative analysis and assessment of additional protection of basin needed during design to control flows for 100-yr event.	Project planning	750,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.01	2,964
061000261	6	City of Meadows Place Master Drainage Plan	Meadows Place	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.01	2,964
061000289	6	City of Sugar Land Master Drainage Plan	Sugar Land	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	540,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.01	2,964
081000988	8	Greatwood Inlet Replacements	Sugar Land	Update storm water inlets.	Project planning	82,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0.00	2,967
121000112	12	Miller Creek on the Smoky Creek Ranch Drainage Improvements	Tivoli Community	Miller Creek on the Smoky Creek Ranch drains Tivoli and the surrounding area which is washing out property where Indian artifacts were found. Study to find alternatives to determine solutions for this drainage issue.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	2,968
011000077	1	Silverton City Drainage Master Plan	Silverton	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses reporting issues with many natural features	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
011000085	1	Seymour City Drainage Master Plan	Seymour	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on survey responses reporting issues with rivers, creeks, tributaries, and functioning floodplains. Only a small portion of the city is within the region.	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
011000092	1	Megargel City Drainage Master Plan	Megargel	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
011000100	1	Skelleytown City Drainage Master Plan	Skellytown	Perform H&H modeling, develop conceptual alternatives and OPCC, and rank projects; selected based on HMAPs	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
011000105	1	City of Silverton GIS Development	Silverton	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
011000108	1	City of Seymour GIS Development	Seymour	Develop GIS inventory and condition assessment for flood infrastructure; selected based on survey response. Only a small portion of the city is within the region.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
031000442	3	City of Dallas Dam Program - Cherrybrook Lake Dam	Dallas	Study of possible rehabilitation of the Cherrybrook Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
031000443	3	City of Dallas Dam Program - Hatfieild Branch Detention Dam	Dallas	Study of possible rehabilitation of the Hatfield Branch Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria. Existing emergency spillway altered and does not functioned as hydraulically designed.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
031000444	3	City of Dallas Dam Program - Kidd Springs Lake Dam	Dallas	Study of possible rehabilitation of the Kidd Springs Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
031000445	3	City of Dallas Dam Program - Lake Cliff Dam	Dallas	Study of possible rehabilitation of Lake Cliff Dam. Remove trees and establish 4:1 slope on downstream embankment. Improve dam spillway capacity to pass the TCEQ required 75% PMF event.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
031000449	3	City of Dallas Dam Program - Emerald Lake Dam	Dallas	Study of possible rehabilitation of the Emerald Lake Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
031000451	3	City of Dallas Dam Program - Tawakoni Balancing Reservoir	Dallas	Study of possible rehabilitation of the Tawakoni Balancing Reservoir Dam embankment, principal spillway, and/or emergency spillway to meet TCEQ dam safety criteria.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
041000112	4	SH 135 Underpass Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
041000151	4	Evergreen Street Overtopping	Longview	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
041000176	4	Jamestown Road Overtopping	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
041000177	4	Bighead Creek at US 259 Flooding	Kilgore	Perform H&H modeling to identify and define higher detailed flood risk, develop conceptual alternatives to reduce flood risk, develop OPCC for conceptual alternatives.	Project planning	75,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
051000103	5	Houston Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
051000105	5	Foley Upgrade Pumping Equipment	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
051000131	5	Central - Upgrade Pumping Equipment and Structure	Jefferson County Drainage District 7	H&H study to size pump upgrades and improve existing level of service.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
051000153	5	City of Bullard Culvert Upgrades	Bullard	Study to evaluate existing culverts for current condition and identify culverts that need to be upgraded.	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000005	6	Missouri City Estates Drainage Improvements	Stafford	Further study of proposed flood risk reduction project that includes drainage improvements to Missouri City Estates.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000016	6	City of Bunker Hill Drainage Projects	Bunker Hill Village	Further study of proposed localized and regional flood risk reduction projects within the City of Bunker Hill.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000017	6	City of Bunker Hill Master Drainage and Stormwater Management Plan	Bunker Hill Village	Further study of Master Drainage and Stormwater Management Plan for the City of Bunker Hill to include Atlas 14 rainfall.	Watershed planning	170,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000025	6	Preliminary Drainage & Infrastructure Improvements Happy Hide A Way Subdivison	Harris County	Additional analysis in the Jackson Bayou watershed, specifically along R102-00-00, is needed to determine the necessary improvements and provide a no impact solution.	Project planning	110,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000029	6	Spanish Cove Subdivision Drainage Assessment	Harris County	Additional analysis needed to confirm no negative effects. It is expected the larger channel can safely convey the increase in flows, but this must be demonstrated during the project design phase.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000059	6	City of Manvel Gates Loop Subdivision Drainage Improvement	Manvel	Further study proposed Gates Loop subdivision drainage improvement.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000166	6	City of Stafford Run Creek Detention Pond Construction	Stafford	Further study of proposed detention ponds immediately downstream of Brand Lane and Independence Park.	Project planning	300,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000227	6	City of Bunker Hill Village Master Drainage Plan	Bunker Hill Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	170,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000230	6	City of Coldspring Master Drainage Plan	Coldspring	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	180,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000238	6	City of Fulshear Master Drainage Plan	Fulshear	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	340,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000241	6	City of Hedwig Village Master Drainage Plan	Hedwig Village	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000287	6	City of Stafford Master Drainage Plan	Stafford	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.	Watershed planning	280,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000333	6	Carpenters Planing Study Cloverleaf Community Flood Risk Reduction Project (Phase 1 and 2)	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. Drainage system upgrade using combination of 9'x7' RCB spanning 3,000' and a 109 acre-feet detention facility providing drainage relief for this portion of the Cloverleaf Community.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000349	6	Galveston Bay - Right-of-Way Acquisition, Design and Construction of General Drainage Improvements Along F101-06-00	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. The project could reduce the risk of flooding for over 40 structures in an Atlas 14 1% rainfall event.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000362	6	Goose Creek O119-00-00-P001 (Alt 2A1)	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Construction of channel modifications and in-line stormwater detention along O119 to facilitate Harris County drainage improvements in Highland Mobile Estates.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000363	6	Goose Creek O119-00-00-P001 (Alt 2A3)	Harris County Flood Control District	Study to develop a Benefit Cost Analysis needed for this project to become a FMP. Secondary option for the recommended alternative with less benefits and project cost.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000364	6	Sims Bayou C116 Storm Sewer Improvement (C116-00-00-P001) From Mykawa Road to Telephone Road	Harris County Flood Control District	Study to develop a BCR required for this project to become a FMP. To increase the system C116 capacity, Alternative 1 adds capacity to the C116 system trunkline through an additional parallel trunkline, from Dixie Drive to Sims Bayou.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000470	6	Ledge Street Area Drainage and Paving	Houston	Project provides for design and construction of storm water drainage and paving improvements, mitigation, and necessary utilities to serve the Ledge and Nathaniel areas east of Clearwood Drive to mitigate structural flooding risk.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000471	6	Scott Street (OST to Brays Bayou) Area Drainage and Paving Improvements (remove southland from it)	Houston	Project for design and construction of storm drainage and paving improvements in the Scott Street Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
061000474	6	Southland Area Drainage and Paving Improvements	Houston	Project for design and construction of storm drainage and paving improvements in the Southland Area. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000480	6	Spring Shadows North	Houston	Project for design and construction of storm drainage and paving improvements in the Spring Shadows Areas to mitigate structural flooding risk. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000481	6	Kirkwood/Nottingham	Houston	Project provides for design and construction of storm drainage and paving improvements in the Nothingham and Yorkshire Areas. Cost is to perform the BCA and additional analysis to promote this FME to a FMP.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000535	6	Briarwood Area Drainage Improvements	Baytown	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000536	6	North Alexander	Baytown	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
061000537	6	Rollingbrook Garth and Main	Baytown	Further analysis to become a FMP. This project includes proposed storm sewer improvements to bring the area to accordance with the City of Baytown drainage criteria. Detention is also proposed to mitigate for impacts from increased flow.	Project planning	30,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000037	7	City of Clyde DMP	Clyde	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000054	7	City of Tuscola DMP	Tuscola	Evaluate city to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000079	7	Town of Megargel DMP	Megargel	Evaluate town to identify future projects, analyze roads/stream crossing for emergency response vehicles to high hazard areas. Evaluate the storm drain system for capacity and functionality.	Watershed planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000133	7	City of Clyde Flood Protection Lift Station Program	Clyde	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000134	7	City of Clyde Floodplain Open Space Program	Clyde	Acquire and preserve open spaces adjacent to floodplain areas. Protect floodplains in their natural state.	Project planning	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000135	7	City of Clyde Higher Standards Program	Clyde	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulativ	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000153	7	City of Tuscola Flood Protection Lift Station Program	Tuscola	Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE).	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
071000214	7	City of Lubbock Higginbothum Park	Lubbock	Higginbothum Park Area of Interest	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
081000057	8	Chimneystone, Austin, and Settlers Parks Improvements Phase II	Sugar Land	Design of new concrete channel and storm drain improvements.	Project planning	288,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
081000978	8	Colony Bend, Colony Grant, Stephens Grant Drainage Improvements	Sugar Land	Complete a drainage study, design, and construction of drainage improvements to reduce flooding risk in the neighborhoods.	Project planning	421,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
081000980	8	Chimneystone, Austin, and Settlers Parks Improvements Phase III	Sugar Land	Design and construct drainage improvements to Wagon Trail and Settlers Way in Settlers Park.	Project planning	551,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000010	9	City of Loraine Kindred St Detention Project	Mitchell County	Identify scope of detention project on Kindred Street. Offsite detention and property buyout required in order to handle runoff from culvert project identification on Kinder Street. Implement the most cost-effective solution to reduce or eliminate floodin	Other	25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000073	9	San Angelo Lester Lane Culvert Improvement Project	Tom Green County	Replace existing 24"x36" CMP arch pipe under Tres Rios Drive with 5'x3' concrete box culvert.	Project planning	195,277	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000074	9	San Angelo LWC 3	Tom Green County	Low water crossing, street flooding. College Hills Blvd and Sunset Dr	Project planning	6,541,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000079	9	San Angelo Street Flooding 15	Tom Green County	Low water crossing, street flooding. Foster St. South of loop 306	Project planning	3,500,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000081	9	San Angelo Street Flooding 17	Tom Green County	Unclear on issue. Christoval at Chadburne	Project planning	25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000124	9	MI4F Playa Detention	City of Midland	The project consists of elevating the outlet elevation from approximately 2843 to 2847 by constructing a berm embankment approximately 600 feet in length. The project also includes one (1) 6' x 4' RCBC outlet pipe. The outlet will extend approximately 2.°	Project planning	25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000126	9	Pecan and 3rd Sreet	Tom Green County	2.1 ac regional detention. intersection and downstream channel improvements	Other	25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
091000128	9	City of San Angelo 400 Block of E. 14th St. Buyout	Tom Green County	This area floods homes during heavy rainfall. Demo existing building and convert to park area.	Other	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000001	10	Willow-Gazley Local Drainage Alternative 3	Smithville	Drainage System Improvements	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000003	10	Willie May Way in Precinct 4 at Trib	Bastrop County	Replace CMPs with larger multi-box culvert	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000015	10	Pine Canyon Dr & Wet Weather Creek	Bastrop County	LWC to Culvert, Cast-in-place multi-box (2) culvert-bridge	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000037	10	Gene and Church Streets	Needville	Install Culverts	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000051	10	Bob White Trail	Fredericksburg	Replace ex culverts with two 24" RCPs; regrade channel; replace driveway culverts	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000090	10	Various Streets - Upgrade Existing Roadway Crossings	Victoria	Increase dimensions of drainage culverts in flood prone areas	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000100	10	Pecan Street	El Campo	Install larger storm drainage	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000101	10	Town & Country Drive	El Campo	Install largre storm drainage	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000120	10	Flood Proof Wastewater Treatment Plants	Flatonia	Flood Proof Wastewater Treatment Plants	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000128	10	City Hall Hardening and Safe Room	Ganado	City Hall Hardening and Safe Room	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000130	10	Relocate Fire Department Building	Llano County	Relocate Kingsland VFD building outside 100-year floodplain	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000131	10	Police Station Relocation and Safe Room	Palacios	Relocate police station outside flood zone B; build safe room inside	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000161	10	VFW Flood Study	Burnet	Flood-prone problem area in need of flood study, indentified on sponsor outreach call.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000175	10	102 Beach Dr Low Water Crossing	Sunrise Beach Village	Flood-prone problem low water crossing in need of flood study and solution, identified on sponsor outreach call.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
101000176	10	124 Sunrise Drive Low Water Crossing	Sunrise Beach Village	Flood-prone problem low water crossing in need of flood study and solution, identified on sponsor outreach call.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
101000207	10	Highway St Improvements Project Planning	Fredericksburg	Project planning for vegetated channel system with two 10' x 4' box culverts in storm drain system to Baron Creek. Develop technical data required for FMP.	Project planning	600,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
111000039	11	City of Mountain City Repetitive Loss Structure Mitigation Study	Mountain City	Study of solutions to floodproof or otherwise mitigate repetitive loss structures that have been identified by FEMA for the number of flood insurance claims.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
111000105	11	DeWitt County (City of Nordheim) Flash Flood Mitigation Project Planning	Nordheim, De Witt	Project planning for proposed project to construct necessary barriers or berms to reduce impact of runoff from flash floods onto neighborhoods, streams, and impacting community water wells from proposed Pilot Knob landfill.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000002	12	7820 Rolling Acres Trail	Fair Oaks Ranch	Low water crossing. Road closure gate is deployed at this crossing during large storm events.	Project planning	290,211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000003	12	7900 Fair Oaks Parkway	Fair Oaks Ranch	Analysis needed to confirm no adverse impacts on the solution that was implemented.	Project planning	60,282	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000004	12	Ammann Road Low Water Crossing	Fair Oaks Ranch	Low water crossing runs over the street due to insufficient culverts that pass under Ammann Road. Replacing the current road with an elevated concrete bridge above the flood stage.	Project planning	213,658	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000006	12	8402 Battle Intense Low Water Crossing	Fair Oaks Ranch	Battle intense is often shut down in large rain events. Debris collects and damages this low water crossing	Project planning	1,105,087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000046	12	7840 Silver Spur Trail	Fair Oaks Ranch	Runoff collects from the northside of the city and passes this point before passing under Keeneland then to the Cibolo Creek Post Oak Creek low water crossing.	Project planning	295,351	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000047	12	8410 Noble Lark Dr	Fair Oaks Ranch	Regrade channel and install erosin control measures, repair the eroded foundation of the culvert headwall	Project planning	165,562	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000068	12	Normoyle Ditch - Alt 1	San Antonio	Channel improvements are proposed from the Six Mile Creek outfall up to approximately 200 feet upstream of New Laredo Hwy. The project area was limited to the area south of Kelly AFB as the majority of habitable structures area	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000071	12	LWC# 91 Weidner 500 ft N of Schertz	San Antonio	Construct a bridge on Weidner Rd. to pass a 100 yr storm to replace LWC# 91, to include curbs and sidewalks. This project will require channel excavation. This LWC is not within a FEMA floodplain.	Project planning	699,299	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000100	12	Recommend for Wilson Roadways - Project 4 - Mariana Rd & Mariana Creek	Wilson County	Upgrade crossing so that it provides a safe evacuation route during large storm events.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000103	12	Erosion on CR 202 East and Marcelina Creek	Wilson County	Phase I: Engineering study of design solutions to erosion of CR 202 at Marcelina Creek. Phase II: Implementation of stabilization project to address stream incision and erosion CR 202 at Marcelina Creek.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000107	12	Goliad Damage Center B	Goliad County	Construct dam north of W. Ward St	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000136	12	Port of San Antonio Floodproofing	San Antonio River Authority	Port SA, site specific, study flood mitigation for critial structures	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000140	12	Country Village Channel Improvements	Castroville	Preliminary Engineering including an H&H study to size the channel improvements	Project planning	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000149	12	Damage Center 2: Project 1 Channelization	Floresville	The channelization project would add 8 feet to the left bank of the channel, and the depth would be kept at its existing elevation. The project would remove two structures adjacent to the stream from the floodplain.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000162	12	29010 Tivoli Way	Fair Oaks Ranch	Utilize existing stormwater infrastructure by regrading the roadway to slope towards existing inlets and open channels on the north and south side of Windermere Dr on the east side of Fair Oaks Parkway. New curb installed along the west side of Fair Oak	Project planning	103,952	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
121000167	12	Live Oak Slough Creek Improvements Study	Von Ormy	The residents living along this slough are experiencing run-off water damage to their land causing the Live Oak Slough Creek to widened, and leaving them with less land usage.	Project planning	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000033	13	CR4001 and I-35 Access Road Drainage-FH#10	Pearsall	Install trapezoidal concrete channel and proposed culvert crossings at the driveways along south of IH-35 access at CR4001 tying into the existing drainage channel 1700 LF south of the intersection of IH-35 access at CR4001.	Project planning	530,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000048	13	Pearsall RV Park on Guadalupe Street Drainage Improvements- FH#5	Pearsall	Install underground storm water trunk lines and drop structures at the intersection of Powerplant Road and Guadalupe Street carrying drainage to avoid flooding before outfalling in to earthen swale on Powerplant Road.	Project planning	367,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000076	13	Ave A & 8th St Drainage Improvements	Ingleside	Drainage improvements along Avenue A from south of 6th Street, south to 8th Street, and west along 8th Street to the existing drainage channel.	Project planning	231,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000096	13	Lee Road Drainage Improvements	Aransas County	Secure drainage easements and construct drainage channel from Lee Road to Hwy 35-BUS.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000101	13	Stormwater Master Plan #1 - North of Parkview between Starlight and Sunset Outfall Pipe	Ingleside on the Bay	Positive drainage to Parkview Place to be improved by minor site regrading, grate inlet installation, and installation of RCP along Sunset Drive, as well as the alley that runs parallel to the West. Alley drainage improvement to connect to existing inlet.	Project planning	11,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000103	13	Stormwater Master Plan #3 - North of Post Oak between Starlight and Sunset Outfall	Ingleside on the Bay	Positive drainage to Post Oak Drive to be improved by minor site regrading along alley between Starlight Drive and Sunset Drive.	Project planning	4,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000104	13	Stormwater Master Plan #4 - North of Post Oak between Sunset and Woodhaven Outfall	Ingleside on the Bay	Positive drainage to Post Oak Drive and Retama Drive to be improved by minor site regrading, grate inlet installation, and installation of RCP along alley between Woodhaven Drive and Sunset Drive. Improvements to connect to existing inlet.	Project planning	11,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000105	13	Stormwater Master Plan #5 - North of Ebony between Starlight and Sunset Outfall	Ingleside on the Bay	Positive drainage to Ebony Street to be improved by minor site regrading, grate inlet installation, and installation of RCP along alley between Starlight Drive and Sunset Drive. Site regrade and installation of RCP will also take place on Ebony Street.	Project planning	12,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000112	13	Paulson Falls Subdivision Detention Pond Improvements	Kingsville	Paulson Falls Subdivision has detention ponds, but the berm has deteriorated.	Project planning	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969

ID	Region	Flood management evaluation name	Sponsor	Description	Type	Estimated cost ($)	Structures at risk Raw	Structures at risk, ArcSinh (0-10)	ArcSinh (Weighted) Structures at risk	Pop at risk Raw	Pop at risk, ArcSinh (0-10)	ArcSinh (Weighted) Pop at risk	Critical Facilities Raw	Critical Facilities, ArcSinh (0-10)	ArcSinh (Weighted) Critical Facilities	LWC Raw	LWC, ArcSinh (0-10)	ArcSinh (Weighted) LWC	Road Closures Raw	Road closures, ArcSinh (0-10)	ArcSinh (Weighted) Road closures	Road miles raw	Road miles, ArcSinh (0-10)	Ag land raw	Ag land, ArcSinh (0-10)	Total score	Rank
131000117	13	Aransas National Wildlife Refuge Dagger Point Shoreline Preservation	Coastal Bend Bays and Estuaries Program, U.S. Fish and Wildlife Service, Aransas National Wildlife Refuge, U.S. Department of the Interior	Texas Coastal Resiliency Master Plan - R3-3 Project would install a living shoreline using breakwaters. This project would help protect the shoreline along Dagger Pointas well as nearby critical habitat and public infrastructure.	Project planning	398,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000118	13	Nueces River Delta Shoreline Stabilization	Coastal Bend Bays and Estuaries Program, Texas General Land Office	Texas Coastal Resiliency Master Plan - R3-15 The project would include the construction of breakwaters along approximately 3,900 linear feet of shoreline at the Nueces River Delta to dissipate wave energy that is causing estuarine wetland loss	Project planning	536,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000121	13	Pelican Cove Sea Gate Replacement	Aransas Pass	Improve the Pelican Cove sea gates for easier installment & removal. To prevent rising water into the City, existing huge metal gates are lowered into concrete frames with a 10 ton crane. Post storm surge, high water levels make gate removal difficult.	Project planning	47,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000150	13	12th Street Drainage Improvements	Corpus Christi	Construct drainage channel from 12th St to Bee Tree Circle and increase capacity of drainage structure under Bee Tree Circle.	Project planning	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000151	13	Aransas County Drainage Improvements - Henderson Street Property - Project 4	Aransas County	Aransas County Texas Multi-Jurisdictional Hazard Mitigation Action Plan - Action #28: Precinct 3 - Henderson Street Property - Project 4. Reduce flood risk to buildings and infrastructure by making improvements to the County drainage system	Project planning	176,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000189	13	Caesar Place Subdivision Drainage Improvements (Kingsville Project Location 5)	Kingsville	High water in roads and front yards. Only one inlet in subject area, and it's capacity is insufficient. Street capacity can't handle design flow. Propose adding inlets and storm sewer to subject area and improve downstream culvert.	Project planning	1,200,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000222	13	Co-G: West Ingleside Outfall	San Patricio County	New outfall channel from Amarillo St and Coach Emory Bellard Dr to existing swale S of Highland St. Improvements will include installation of RCB culverts.	Project planning	275,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000230	13	CR 4656 / Vine Loop Drainage Improvements (Frio County Project #9)	Frio County	Project to make drainage improvements on County Road 4656 (new road: Vine Loop) in Dilley, Texas. Drainage study is underway by Poznecki Camarillo. Right-of-Entry and survey still need to be obtained.	Project planning	76,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000231	13	East Jackson Street South Ditch Development (Ma-A)	Mathis	Project consists of constructing an earthen channel from SW of the intersection of CR 12 and CR 359 to Six Mile Creek.	Project planning	16,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
131000233	13	New Culvert Near Front Street and CR 359 (Ma-C)	Mathis	Project consists of installing 2' RCP S of the intersection of N Front St and CR 359.	Project planning	28,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000045	15	S Alamo and Rancho Blanco	Hidalgo County Drainage District 1	Local Drainage Improvements-Storm Drain and Detention North of Rancho Blanco and east of S. Alamo Road	Project planning	526,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000107	15	City of Del Rio Project 11	Del Rio	Cinegas Creek Wildcat Drive Road/Culvert Improvement	Project planning	33,002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000117	15	City of Del Rio Project 3	Del Rio	Calaveras Creek Bowie Street Road/Culvert Improvement	Project planning	33,012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000119	15	City of Del Rio Project 5	Del Rio	San Felipe Creek SFWF A Regional Detention	Project planning	33,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000120	15	City of Del Rio Project 6	Del Rio	San Felipe Creek RSWF B Regional Detention	Project planning	33,015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000162	15	ML05h Mayberry B	Mission	3323 feet of storm sewer upgrade and an extension of storm sewer of 513 feet	Project planning	264,427	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000163	15	ML05i Stewart B	Mission	5363 feet of storm sewer upgrade and an extension of storm sewer of 1617 feet	Project planning	252,410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000179	15	ML10a Country Club	Mission	1364 feet of storm sewer upgrade, includes 346 feet of upgrade to Trunk Line segments along Taylor Rd.	Project planning	40,331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000234	15	City of Harlingen - Beck Ave Storm Sewer Improvement Project	Harlingen	City of Harlingen - Beck Ave Storm Sewer Improvement Project	Project planning	13,752	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000237	15	City of Harlingen - Alcott Storm Sewer System Improvement Project	Harlingen	City of Harlingen - Alcott Storm Sewer System Improvement Project	Project planning	41,040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000254	15	PD Lateral - Iowa Road Drainage Improvements BP 18	Hidalgo County Drainage District 1	Channel improvements include widening of the PD Lateral from SH 107 to Vaquero Avenue within existing right of way and installation of culverts at Iowa, Mile 7, and Mile 8. New storm drainage system for the neighborhood from the PD lateral to Vaquero Avenue. New storm drainage system for Iowa Road near alignmnet for Mile 8 1/2.	Project planning	232,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969
151000256	15	Seminary regional detention facility BP 20	Hidalgo County Drainage District 1	Acquisition of 67.8 acres for excavation of regional detention facility located at Seminary Road and Ingle Road.	Project planning	673,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,969

Appendix B.2 Recommended flood mitigation project (FMP) rankings

		Flood mitigation project (FMP) ranking criteria	Weighted Value	Max Values for Score Normalization
Reported data from FMP GIS feature classes	1	Structures removed from 1 percent (100-year) floodplain	5.0%	76,000
	2	Percent structures removed from 1 percent (100-year) floodplain (Calculated by TWDB from reported data)	10.0%	100
	3	Residential structures removed from 1 percent (100-year) floodplain	2.5%	62,000
	4	Estimated population removed from 1 percent (100-year) floodplain	10.0%	350,000
	5	Critical facilities removed from 1 percent (100-year) floodplain	10.0%	2,100
	6	Low water crossings removed from 1 percent (100-year) floodplain	7.5%	25
	7	Estimated roadway miles removed from 1 percent (100-year) floodplain	5.0%	1,100
	8	Estimated farm & ranch land removed from 1 percent (100-year) floodplain (acres)	5.0%	6,500
	9	Percent nature-based solution (by cost)	5.0%	100
	10	Benefit-cost ratio	2.5%	10
	11	Water supply benefit (Y/N)	5.0%	
	12	FMP project type (10 points) Low water crossing (4 points) Preparedness	2.5%	
		Subtotal	**70.0%**	

FMP project details scoring (computed by the regional flood planning groups)	13	Score 1: Severity - Pre-project average depth of flooding (100-year)	5.0%	
	14	Score 2: Severity - Community need (percent population)	5.0%	
	15	Score 6: Life and safety	5.0%	
	16	Score 8: Social vulnerability	5.0%	
	17	Score 10: Multiple benefits	2.5%	
	18	Score 13: Environmental benefit	2.5%	
	19	Score 15: Mobility	5.0%	
		Subtotal	**30.0%**	
		Total	**100.0%**	

Note: Data utilized for generating this ranking for the state flood plan is from the adopted amended regional flood plans approved by the TWDB in March 2024.

Appendix B.2 Recommended flood mitigation project (FMP) rankings

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ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
083000828	8	Seabourne Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	104,974,000	573	2.95	99.31	9.93	472	1.46	1212	5.79	4	2.51	0	0	13	2.12	2270.40	4.44	0	0	0.05	0.05	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	29.34	14.00	43.34	15
083000817	8	Fairchild Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	190,448,000	931	3.16	98.10	9.81	792	1.57	1289	5.84	1	1.06	0	0	10	1.95	2771.90	4.55	0	0	0.05	0.05	No	0	0	2-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	28.06	14.50	42.56	16
033000008	3	West Irving Creek Phases 2, 3, and 4	Irving	FIF - 13792: W Irving Creek channel improvements project makes 2.5 miles of concrete channel deeper. Vertical walls allow project to have a similar footprint to minimize impacts. 15 road crossings and several miles of wastewater main need reconstruction.	Infrastructure	80,066,000	252	2.61	97.30	9.73	230	1.31	1151	5.75	1	1.06	7	5.07	5	1.50	0	0	0	0	0.10	0.10	No	0	0	2-yr	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	27.27	15.25	42.52	17
063000062	6	Spring Creek - Woodland (200 ft) and I-45 Channelization with detention at Birch Creek and Walnut Creek	Montgomery County	8.9-mile, 200-feet-wide benched improvement 4-feet above the flowline of Woodlands channel and 6.9-mile, 300-foot-wide benched improvement 4 feet above I-45 channel. Must be completed with detention on Birch Creek and Walnut Creek.	Comprehensive	393,000,000	5479	3.90	73.18	7.32	4732	1.95	18240	7.80	8	3.33	0	0	69	3.20	12.83	1.71	0	0	0.73	0.73	No	0	2	Varies by Roa	8	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	31.04	11.25	42.29	18
033000068	3	Main A pump station and conveyance improvements	Liberty County Water Control Improvement District #5	The proposed improvements include the rehabilitation and upsizing of Pump Station A, upsizing the North Travis Street Culverts to 5-8'x8' box culverts, and channel improvements along the Main A channel.	Infrastructure	7,639,000	167	2.44	76.96	7.70	123	1.17	1850	6.10	1	1.06	0	0	4	1.36	8.87	1.52	0	0	3.95	3.95	No	0	0	<5-yr	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	31.22	11.00	42.22	19
123000028	12	Concepcion Creek Improvements Project	San Antonio	Ph1. 54-ac detention, property acquisition and 10,000ft of storm drain systems and road reconstruction. Ph2. 1.36mi of Concepcion Creek channel improvements. Ph3. 2,300ft of (3) 10x8 MBC systems	Infrastructure	179,482,000	2335	3.54	55.38	5.54	1251	1.67	3753	6.63	1	1.06	10	5.75	9	1.88	0	0	0	0	0.50	0.50	No	0	0	Less than the	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	27.31	14.75	42.06	20
063000400	6	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-27-00	Harris County Flood Control District	This project provides analysis and description of the existing flooding conditions within the P118-27-00 catchment area and consequently develops flood risk mitigation alternatives, including detention basis and channel improvements.	Comprehensive	23,680,000	325	2.71	99.69	9.97	276	1.35	1811	6.09	5	2.77	0	0	26	2.57	0	0	0	0	2.18	2.18	No	0	2	Varies	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	30.91	10.50	41.41	21
103000070	10	Peach Creek Channel Improvements	Wharton County	Channel Benching along lower Peach Creek for approximately 22,900 liner feet. Easement Acquisition, and channel stabilization measures	Channel	2,100,000	79	2.12	80.61	8.06	79	1.08	197	4.44	0	0	0	0	8	1.80	2179.00	4.42	0	0	2.20	2.20	No	0	0	Unknown	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	27.43	13.50	40.93	22
083000797	8	Big Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	662,232,992	589	2.96	93.79	9.38	497	1.47	913	5.58	1	1.06	0	0	14	2.17	6478.51	5.00	0	0	0.01	0.01	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	27.64	13.25	40.89	23
033000094	3	Lois Branch Main Channel Improvements	Richardson	Alternative proposes channel geometry modifications for 3,900 LF, drop structures, culvert crossing resizing, and raising one roadway by 1.0 feet.	Infrastructure	2,737,000	2	0.60	100.00	10.00	2	0.31	5	1.72	8	3.33	3	3.49	4	1.36	0	0	0	0	0	0	No	0	0	<100-yr	8	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.81	19.75	40.56	24
083000800	8	Coon Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	141,439,008	275	2.64	99.64	9.96	177	1.25	503	5.14	0	0	0	0	7	1.72	4576.30	4.81	0	0	0.03	0.03	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	25.60	14.75	40.35	25
103000068	10	Immanuel Road/Pecan Park at Upper Gilleland Creek (DMP GC-05)	Pflugerville	Channel improvements and embankment construction	Flood walls and	4,863,000	20	1.55	100.00	10.00	20	0.79	185	4.39	0	0	0	0	1	0.57	4.97	1.22	46.00	4.60	1.50	1.50	No	0	0	>20%	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	24.57	15.25	39.82	26
103000061	10	Piney Creek Mitigation	Bastrop County	Bridge improvements and channel benching at SH95, Main St, and UPRR	LWC upgrade	23,992,000	24	1.62	82.76	8.28	23	0.82	56	3.51	1	1.06	0	0	1	0.57	80.14	2.68	29.00	2.90	0.60	0.60	No	0	10	>50%	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	21.48	18.25	39.73	27
043000001	4	Terry Gully Regional Detention Pond 1	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pond	46,397,776	463	2.86	36.60	3.66	259	1.33	1288	5.84	9	3.47	0	0	7	1.72	202.74	3.17	0	0	0.30	0.30	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	22.80	16.75	39.55	28
033000092	3	Terrell KC1 Watershed Drainage Improvements	Terrell	Implement and upsize storm drain on Brin St, College St, Rochester St, & Gardner St. Add additional drainage crossing at SH 34. Place inlets at every intersection to capture additional runoff. Upsize railroad crossing and improve adjacent channel.	Infrastructure	27,350,000	61	2.01	91.04	9.10	19	0.78	610	5.28	3	2.18	0	0	2	0.94	0	0	0	0	0	0	No	0	0	<5-yr	4	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	20.29	19.25	39.54	29
063000040	6	Halls Bayou Watershed Mitigation Application 1 - CDBG MIT	Harris County Flood Control District	Projects submitted as part of the CDBG MIT grant in Halls Bayou which include five (5) regional channel and detention projects including C-28, C-41 Hardy West, C-41 Mainstem, C-30, and C-23.	Comprehensive	99,653,000	3023	3.63	19.45	1.95	2652	1.83	9386	7.31	6	2.99	0	0	17	2.29	0.04	0.02	0	0	1.46	1.46	No	0	2	Unknown	8	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.68	15.75	39.43	30
143000121	14	Dallas Basin	El Paso Water	Acquire land, build new detention basin north of IH-10. Construction of new larger capacity Pump Station with capacity of 250 cfs in the basin with new force main directly to the Rio Grande.	Comprehensive	160,532,304	169	2.44	100.00	10.00	111	1.15	3226	6.52	3	2.18	0	0	19	2.36	0	0	0	0	0.04	0.04	No	0	3	<50% Annual	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	<Null>	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	24.74	14.50	39.24	31

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000024	15	North Pharr Mitigation Project	Valley MUD 2	Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-McAllen Lateral Ditch up to North I road. Install culvert improvements, 2 – 8	Infrastructure	8,195,000	834	3.11	23.21	2.32	0	0	4746	6.80	0	0	0	0	0	0	0	0	0	0	6.49	6.49	No	0	0	10	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	28.46	10.75	39.21	32
063000417	6	Houston Fifth Area Flood Mitigation	Houston	This unfunded CDBG-MIT application involves installing various storm sewer infrastructure in the Fifth Ward and Market Square areas within the City of Houston.	Infrastructure	89,754,000	1306	3.30	60.41	6.04	1202	1.66	4125	6.70	16	4.16	0	0	16	2.25	0.01	0.01	0	0	1.87	1.87	No	0	0	Unknown	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	28.79	10.25	39.04	33
083000805	8	Cottonwood Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	182,426,000	134	2.34	100.00	10.00	112	1.15	260	4.65	0	0	0	0	3	1.18	4578.80	4.82	0	0	0.01	0.01	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	24.16	14.75	38.91	34
063000056	6	Mary's Creek Lower, Middle, and Upper Segment	Pearland	A part of the Pearland Master Drainage Plan (2019), this channel improvement alternative includes channel benching to increase conveyance capacity, bridge/culvert replacement to remove hydraulic restrictions, and regional detention to provide mitigation.	Comprehensiv	154,040,000	2324	3.54	85.72	8.57	1862	1.75	7614	7.16	6	2.99	1	1.69	34	2.74	8.50	1.50	0	0	0.16	0.16	No	0	2	Unknown	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	30.33	8.50	38.83	35
143000117	14	Gateway Ponds	El Paso Water	Acquire land, expand the existing detention basin north of I-10. Construction of new larger capacity Pump Station with capacity of 350 cfs in the north pond; with new force main directly to the Rio Grande.	Comprehensiv	108,224,888	206	2.52	100.00	10.00	142	1.20	899	5.57	0	0	0	0	4	1.36	0	0	0	0	0.08	0.08	No	0	2	<1% Annual C	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	<Null>	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	20.85	17.50	38.35	36
063000328	6	Brays Bayou - Keegans Bayou (D118-00-00) Flood Risk Reduction	Harris County Flood Control District	The proposed project includes widening sections of the Keegans Bayou main channel and a 1,600 acre-feet detention basin.	Comprehensiv	190,218,000	2009	3.48	54.05	5.40	1785	1.74	16486	7.73	29	4.87	0	0	150	3.71	0	0	0	0	0.94	0.94	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	29.28	9.00	38.28	37
143000123	14	WC4	El Paso Water	Construct a new 37.59 ac-ft pond to relieve roadway flooding on Mesa Street.	Detention pon	10,198,412	15	1.43	100.00	10.00	11	0.66	109	4.00	1	1.06	0	0	0	0	0	0	0	0	0.04	0.04	No	0	0	<1% Annual C	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	Project will protect major access route in floodplain and emergency service access to EMS, police stations, and fire stations.	10	17.25	21.00	38.25	38
013000013	1	Wichita Gardens Drainage Improvements	Wichita Falls	The proposed improvements include for the installation of concrete curb and gutter throughout entire development in order to install a storm drain system with curb inlets and a trunk line that runs to an outfall at the Wichita River.	Storm drain	10,008,000	100	2.22	100.00	10.00	100	1.13	252	4.62	0	0	0	0	2	0.94	0	0	0	0	3.10	3.10	No	0	0	<50% annual	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	26.66	11.00	37.66	39
103000005	10	Gills Branch Flood Mitigation Improvements	Bastrop	5,050 LF channel benching, 175 LF channel improvements, increased capacity at 3 roadway creek crossings, landscape walls	Channel	6,240,000	242	2.59	66.85	6.69	170	1.24	1051	5.68	1	1.06	4	4.02	3	1.18	0	0	0	0	1.15	1.15	No	0	0	>1% ACE	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	25.33	12.25	37.58	40
103000067	10	Whitman Branch Industrial Area - Regional Detention	Marble Falls	This FMP is regional stormwater detention that controls flows upstream of the Commerce Street area. The solution includes an approximately 36 ft tall earthen dam approximately 1750 feet long on Whitman Branch near Coach Drive.	Dam	28,000,000	38	1.81	77.55	7.76	1	0.19	91	3.87	0	0	1	1.69	0	0	5.26	1.25	0	0	1.30	1.30	No	0	0	2 YR	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access areas are still flooded or have restricted access in local areas.	7	19.81	17.50	37.31	41
113000075	11	Caldwell County SH 80 Low Water Crossing Improvements @ Morrison Creek	Caldwell County	Upgrade existing low water crossing to include culverts, channel improvements, and detention	Comprehensiv	20,224,000	10	1.26	100.00	10.00	10	0.64	17	2.62	0	0	3	3.49	0	0	0	0	5.00	0.50	0.50	0.50	No	0	2	100 year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.50	17.75	37.25	42
133000030	13	Robstown Various Drainage Improvements (FH#18,10, 12)	Robstown	Project consists of city wide drainage improvements to West, East, and North sections of Robstown, to include regional detention facilities and channel / culvert improvements.	Infrastructure	62,344,000	9	1.21	0.25	0.02	4	0.45	62	3.58	6	2.99	0	0	11	2.01	388.95	3.51	15.00	1.50	0.82	0.82	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.59	20.25	36.84	43
063000397	6	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-23-00 and P118-23-02	Harris County Flood Control District	This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-00 and concrete lining P118-23-02. (2018 Bond Project C-26 & C-27)	Comprehensiv	31,317,000	286	2.66	98.96	9.90	242	1.32	1109	5.72	0	0	0	0	23	2.49	0	0	0	0	0.48	0.48	No	0	2	Varies	4	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.29	13.50	36.79	44
063000167	6	Greens Mid-Reach	Harris County Flood Control District	Projects aim to reduce water surface elvations within Greens Bayou, specifically within the mid-reach. Phased project encompassing channel conveyance improvements throughout the mid-reach and 5 total stormwater detention basins.	Comprehensiv	120,284,000	1816	3.44	41.09	4.11	1508	1.71	21508	7.93	21	4.48	0	0	25	2.54	0	0	0	0	2.13	2.13	No	0	2	Unknown	0	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	29.53	7.25	36.78	45
133000035	13	Citywide Stormwater Drainage Improvements - Sinton	Sinton	Includes drainage improvements for West Sinton, N Vineyard Ave, RR ditches, E Sinton St and S Bowie St, S Pirate Blvd, S Sodville Ave, and Rancho Chico.	Infrastructure	103,190,000	398	2.80	31.44	3.14	360	1.40	1460	5.93	3	2.18	0	0	4	1.36	5.84	1.30	3.00	0.30	0.07	0.07	No	0	0	< 100-Year	8	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.44	18.25	36.69	46
063000468	6	Houston Sunnyside Area Flood Mitigation	Houston	Includes new storm sewer trunk systems on major thoroughfares & new or improved neighborhood storm sewer systems. Will also require construction of detention basins to mitigate the proposed improvements.	Infrastructure	111,282,000	1410	3.33	17.90	1.79	1273	1.67	4760	6.81	20	4.42	0	0	9	1.88	0.04	0.02	0	0	1.20	1.20	No	0	0	Unknown	6	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	22.92	13.75	36.67	47

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
063000357	6	Cypress Creek Program Implementation Plan, 23 Stormwater Detention Basin Plan (Includes 2018 Bond Projects CI-36 and CI-20)	Harris County Flood Control District	Program implementation plan for the design and construction of 22 regional detention basins (12,800 ac-ft) in the Cypress Creek watershed K100-00-00) based on the Cypress Creek Wyanshed and Major Tributaries Regional Drainage Plan Update(February 2020).	Detention pond	550,000,000	2814	3.62	17.34	1.73	2664	1.83	9880	7.35	18	4.30	0	0	27	2.59	0	0	0	0	0.28	0.28	No	0	0	Unknown	8	25%-50% of project community affected	4	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	22.13	14.50	36.63	48
123000041	12	Southwell Road Drainage Improvements	San Antonio	Improve the two Low water crossings along Encino Park Road and Southwell Road intersecting Huebner Creek.	LWC upgrade	5,921,000	11	1.30	73.33	7.33	11	0.66	10	2.23	0	0	2	2.77	1	0.57	0	0	3.00	0.30	2.30	2.30	No	0	10	<10	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	20.76	15.75	36.51	49
013000001	1	T-Anchor Lake Watershed Drainage Improvements	Amarillo	Four phase playa excavation project, pump station relocation and construction of storm sewer improvements along Ross-Osage Street and Southeast 10th Street to provide 100-year flood protection	Infrastructure	31,300,000	397	2.80	97.54	9.75	397	1.42	1191	5.78	0	0	0	0	0	0	0	0	0	0	1.70	1.70	No	0	0	10% annual	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	24.00	12.25	36.25	50
123000018	12	Seeling Drainage Improvements	San Antonio	Install box culverts, grass lined channel construction	Storm drain	28,367,500	467	2.87	74.96	7.50	0	0	1188	5.78	0	0	0	0	2	0.94	0	0	2.55	0.25	0.62	0.62	No	0	0	Unknown	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.75	17.50	36.25	51
063000058	6	Caney Creek - Channelization at IH-69 & Detention at FM1097 + SH105	Montgomery County	Reduce flooding in the Caney Creek watershed by benching/widening a 7.8-mile-long stretch to increase conveyance capacity. Must be constructed with detention at FM1097 or detention at SH105 to capture runoff from Caney Creek.	Comprehensive	469,000,000	1297	3.29	60.44	6.04	998	1.62	2228	6.24	0	0	0	0	42	2.88	27.32	2.11	0	0	0.30	0.30	No	0	2	Varies by Ros	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	22.94	13.25	36.19	52
053000001	5	Bayou Din Detention Basin	Jefferson County Drainage District 6	Construct a new detention basin with nearby channel and crossing improvements in the vicinity of Bayou Din.	Detention pond	85,000,000	101	2.22	18.91	1.89	41	0.94	286	4.72	4	2.51	0	0	0	0	44.93	2.37	0	0	4.90	4.90	No	0	0	Unknown	6	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	26.91	9.25	36.16	53
113000079	11	Caldwell County Hemphill Creek Drainage Improvements Near FM 1984	Caldwell County	Channel improvements; Bridge Extension; Bridge conversion; and detention to reduce residential flooding near FM 1984	Comprehensive	19,790,000	10	1.26	100.00	10.00	10	0.64	28	2.99	0	0	1	1.69	1	0.57	0	0	5.00	0.50	0.40	0.40	No	0	2	NULL	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.40	17.75	36.15	54
153000031	15	NM-105	La Villa	Project includes a lateral ditch with a 10-foot bottom width, 3:1 (H:V) sode slopes, and 8-foot depth, Also, replacing existing crossings at McColl (30-in RCP), Monument Mack (30-in RCP), and Hoehn (18-in RCP) into 5'x5' RCB, 6'x4' RCB and 48-in RCP.	Infrastructure	912,279	103	2.23	75.18	7.52	0	0	350	4.87	0	0	0	0	0	0	0	0	0.30	0.03	4.70	4.70	Yes	1	0.25	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	26.38	9.75	36.13	55
143000118	14	VIN1	El Paso County	Construction of a diversion channel and two combination of sediment/detention basins.	Comprehensive	59,386,496	392	2.79	90.95	9.10	302	1.37	879	5.55	0	0	0	0	8	1.80	0.08	0.04	0	0	0.12	0.12	No	0	2	Unknown	4	25%-50% of project community affected	4	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	<Null>	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.96	15.00	35.96	56
033000064	3	Hickory Creek Flood Protection - Alternative 3	Balch Springs	Hickory Creek Drainage Improvements project 2022 update based on input from the City of Balch Springs. Alternative 3 involves levee protection with channel modifications & the removal of Stain Road at river station 54955 on Hickory Creek was included	Infrastructure	30,671,000	49	1.92	39.52	3.95	43	0.95	152	4.25	8	3.33	0	0	1	0.57	7.18	1.41	52.00	5.20	0.05	0.05	No	0	0	<2-yr	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.10	16.75	35.85	57
123000072	12	City of Kenedy Drainage Improvements on Escondido Creek	Karnes County	Upgrade 5th Street culvert with additional boxes, roadway elevation, and channel modifications. Additional channel modifications through Kenedy to improve conveyance and reduce flooding of structures.	Comprehensive	33,317,000	56	1.98	71.79	7.18	54	1.00	113	4.03	0	0	2	2.77	1	0.57	0	0	5.00	0.50	0.10	0.10	No	0	2	25-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.02	17.75	35.77	58
083001311	8	Sun Valley Neighborhood Levee	Gatesville	Buyouts, construction of levee, and storm sewer.	Comprehensive	1,594,290	43	1.87	100.00	10.00	43	0.95	129	4.13	0	0	0	0	0	0	70.00	2.61	0	0	1.38	1.38	No	0	2	10-Year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	23.00	12.50	35.50	59
063000470	6	Halls Bayou Drainage Project Bond C-01	Harris County Flood Control District	Provides for design and construction of drainage improvements to P118-26-00 including approximately 119 acre-feet of total storage between two basins and the replacement of a channel with RCBs.	Comprehensive	22,386,000	677	3.02	100.00	10.00	568	1.50	0	0	0	0	1	1.69	3	1.18	0	0	0	0	2.32	2.32	No	0	2	Unknown	4	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.19	12.00	35.19	60
063000026	6	Lower Clear Creek & Dickinson Bayou Flood Mitigation Plan - Lower Clear Creek Alternative 3	League City	The LCC Alt. Combination 3 as proposed as part of the LCCDBFMP (2021), including detention channel benching, a diversion tunnel, capacity improvements, and an auxiliary opening	Comprehensive	1,150,000,000	911	3.15	25.01	2.50	835	1.58	3653	6.61	8	3.33	1	1.69	26	2.57	16.11	1.83	0	0	0.06	0.06	No	0	2	Unknown	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.41	11.75	35.16	61
083000811	8	Dry Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	133,315,000	509	2.90	80.16	8.02	381	1.41	661	5.34	0	0	0	0	13	2.12	2063.90	4.39	0	0	0.05	0.05	No	0	0	2-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	24.30	10.75	35.05	62
133000006	13	Rutledge Hollow Creek Tributary Regional Detention Pond Improvements	Poteet	Proposed 15ac-ft detention pond in downtown Poteet, located at property owned by the City at corner of Avenue B and Kelly St.Pond outlet pipe is 24-inch diameter and it connects the pond to the Rutledge Hollow Creek tributary by passing under Avenue C.	Detention pond	1,095,000	17	1.48	3.88	0.39	14	0.71	72	3.69	0	0	0	0	0	0	0	0	10.00	1.00	3.80	3.80	No	0	0	<100	8	50%-75% of project community affected	7	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.27	18.75	35.02	63

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
033000082	3	Project 18 - Waterview Dr. Re-Route	Richardson	The projject consists of replacing RCP with larger diameter RCP, constructing new RCBC, constructing additional curb inlets, and new junction boxes with manholes.	Infrastructure	11,500,000	33	1.76	94.29	9.43	33	0.89	118	4.06	0	0	1	1.69	0	0	0.57	0.29	0	0	0.00	0.00	No	0	0	<100-yr	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.11	16.75	34.86	64
153000023	15	Weslaco Stormwater Improvement Plan -South Texas Boulevard and East 18th Street	Los Fresnos	Construction of a 5 acre detention pond along Texas Boulevard, with approximately 1,400 LF of channel widening along the back of the neighborhood, the replacement of a 30 – inch culvert crossing the irrigation canal with an 8' x 4' RCB, and replace	Infrastructure	1,585,580	139	2.36	96.53	9.65	0	0	417	5.00	0	0	0	0	0	0	0	0	0.10	0.01	2.50	2.50	Yes	1	0	10	3	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.26	11.50	34.76	65
133000019	13	Risk Area 05 - Banqueta	Banqueta	Water backs up along several roadways and causes significant flooding in the area. Restricted flow at several structures within the area causes overflow into Banqueta Creek.	Infrastructure	64,693,200	86	2.16	48.31	4.83	74	1.07	74	3.71	0	0	0	0	0	0	156.77	3.03	15.00	1.50	0.07	0.07	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.73	18.75	34.48	66
063000064	6	West Fork San Jacinto River - Kingwood Benching & HW 242 Channelization	Harris County Flood Control District	Channel improvement to reduce flooding in West Fork watershed by benching/widening to increase conveyance capacity of West Fork to lower the water surface elevation. Conduct after or in conjunction with detention on Lake Creek or Spring Creek.	Channel	994,000,000	1638	3.39	37.53	3.75	1460	1.70	7636	7.16	10	3.59	0	0	28	2.62	19.40	1.93	0	0	0.10	0.10	No	0	0	Varies by Rea	10	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	24.39	10.00	34.39	67
153000094	15	Delta Storm_La Villa Improvements	Hidalgo County Drainage District 1	Culvert improvements proposed at 28 locations along Ditch 10F2A and Ditch 2. A lateral diversion weir proposed on East Lateral approximately 0.25 miles north of FM 1925. Pond improvements. Several bank and berm improvents through project area.	Infrastructure	13,500,000	1122	3.23	73.43	7.34	0	0	3366	6.55	0	0	0	0	0	0	0	0	0.10	0.01	1.30	1.30	Yes	1	0	10	6	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.38	14.00	34.38	68
093000031	9	Cauley Lane Regional Detention	Tom Green County	The proposed project includes a 2,350 ft drainage channel with berms that diverts flow to a 14-ac regional detention pond that acts as a playa.	Other	9,851,000	143	2.37	100.00	10.00	143	1.21	234	4.57	1	1.06	2	2.77	3	1.18	0	0	0	0	0.90	0.90	No	0	0	Unknown	2	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	25.40	8.75	34.15	69
133000015	13	Burnt Boot Creek Drainage Improvements from Route 132 to Colonial Parkway	Devine	Two-phase project to improve drainage at Burnt Boot Creek in Devine, TX, including detention ponds and/or channel upsizing.	Channel	12,635,000	74	2.09	12.63	1.26	61	1.02	313	4.78	0	0	8	5.32	0	0	0	0	3.00	0.30	0.50	0.50	No	0	0	<100	8	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	15.89	18.25	34.14	70
063000027	6	Brays Bayou Watershed Mitigation Project CDBG MIT Application - Bintliff Ditch Improvements D133-00-00 & Sharpstown	Harris County Flood Control District	Projects submitted as part of the CDBG MIT grant in the Brays Bayou Watershed which include regional channel and detention projects including D133 (Bintliff Ditch) and Sharpstown Drainage.	Comprehensiv	107,061,000	160	2.42	59.93	5.99	118	1.16	2890	6.44	4	2.51	0	0	5	1.50	0.01	0.01	0	0	0.13	0.13	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.35	13.75	34.10	71
063000061	6	Peach Creek - Channelization at IH-69 & Detention at SH105 + Walker Creek	Montgome ry County	Widen 4.3-mile-long stretch to increase conveyance capacity. Must be completed with 4.7-mile-long detention at SH105 and 3.2-mile-long at Walker Creek to reduce flooding in Peach Creek watershed.	Comprehensiv	810,000,000	1146	3.24	75.59	7.56	842	1.58	1855	6.11	1	1.06	0	0	24	2.52	2.86	0.94	0	0	0.26	0.26	No	0	2	Varies by Rea	0	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.65	10.25	33.90	72
093000104	9	City of Andrews Southwest Andrews Playa Excavation	Entity ID 09000102 not found	Proposed excavation in playa located South of FM 1910 and East of new SW Mustang Dr. Approximate 183,000 cu-yd. of removed earth material.	Channel	2,914,000	1	0.37	50.00	5.00	1	0.19	2	1.07	0	0	0	0	0	0	4.86	1.21	25.00	2.50	0.60	0.60	No	0	0	Unknown	10	50%-75% of project community affected	7	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a high level of environmental benefits (4+ categories)	10	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	10.59	23.00	33.59	73
153000093	15	Delta Storm_Edcouch Elsa Improvements	Hidalgo County Drainage District 1	Ditch widening is proposed on two ditch segments: approximately 1 mile along Ditch 10F2A and approximately 2.8 miles along the Ditch 2 and 10F1. Several detention ponds are proposed on vacant properties and farmland.	Infrastructure	11,495,000	949	3.16	68.87	6.89	0	0	2847	6.42	0	0	0	0	0	0	0	0	0.10	0.01	1.10	1.10	Yes	1	0	10	6	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.23	14.00	33.23	74
043000003	4	Terry Gully Regional Detention Pond 3	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pon	93,350,288	108	2.25	8.54	0.85	28	0.86	551	5.20	8	3.33	0	0	2	0.94	98.00	2.79	0	0	0.10	0.10	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.47	16.75	33.22	75
073000011	7	City of Lubbock Stormwater Master Plan: Santa Fe Drive Improvements	Lubbock	Playa excavation and open channel construction for playa overflow and culvert improvements.	Channel	4,500,000	35	1.78	40.23	4.02	24	0.83	84	3.81	0	0	0	0	0	0	0	0	0	0	0.70	0.70	No	0	0	2-YR	6	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	12.19	21.00	33.19	76
033000101	3	Channel improvement on Brockbank Channel Basin north of SH 183	Irving	Proposed improvements to the upstream closed storm drain network and the downstream open channel. There are two phases for the storm drain network: trunk line and lateral improvements.	Infrastructure	15,197,000	39	1.83	100.00	10.00	39	0.93	60	3.56	0	0	0	0	1	0.57	0	0	0	0	0.10	0.10	No	0	0	<50-yr	4	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	17.13	16.00	33.13	77
083000823	8	Lateral 8B-7 & 8B-9 Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	62,287,000	125	2.31	86.81	8.68	11	0.66	155	4.26	0	0	0	0	6	1.62	1663.00	4.28	0	0	0.02	0.02	No	0	0	2-year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	21.88	11.25	33.13	78
063000046	6	White Oak Bayou CDBG MIT Application Projects: Kolbe Road Drainage Improvements, Barwood, E132-00-00, Tower Oaks, & Little White Oak	Harris County Flood Control District	Projects submitted as part of the CDBG MIT grant in the White Oak Bayou Wwarshed which include five (5) regional channel and detention projects including Kolbe Road, Barwood, E132-00-00, Tower Oaks, & Little White Oak Bayous.	Comprehensiv	120,015,000	670	3.02	22.81	2.28	605	1.51	3899	6.66	3	2.18	0	0	7	1.72	0.01	0.01	0	0	0.80	0.80	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.37	13.75	33.12	79

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000020	15	Weslaco Stormwater Improvement Plan - Texas Boulevard to Airport Drive, South of Business 83	Combes	Construction of a 3 acre detention pond along Texas Boulevard, with approximately 1,400 LF of channel widening along the back of the neighborhood, the replacement of a 30 - inch culvert crossing the irrigation canal with an 8' x 4' RCB, and replace	Infrastructure	1,585,580	139	2.36	96.53	9.65	0	0	417	5.00	0	0	0	0	0	0	0	0	0.10	0.01	2.50	2.50	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.26	9.75	33.01	80
023000006	2	TexAmericas Detention Pond #2	TexAmericas Center, Hooks	Proposed Wet Detention Pond	Detention pond	20,539,000	67	2.05	97.10	9.71	65	1.04	118	4.06	0	0	0	0	1	0.57	0	0	10.00	1.00	0.30	0.30	No	0	0	<2-yr	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	18.68	14.25	32.93	81
063000059	6	East Fork San Jacinto River - Winters Bayou Detention	San Jacinto County	The goal of the detention facility is to reduce flooding in the East Fork watershed by constructing a 1.60-mile-long earthen impoundment that captures runoff from Winters Bayou.	Detention pond	134,000,000	651	3.01	34.34	3.43	506	1.48	1412	5.90	1	1.06	0	0	17	2.29	5.87	1.30	0	0	0.47	0.47	No	0	0	Varies by Rca	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.64	13.25	32.89	82
033000097	3	PEC-4 Phases 3&4	Denton	Install 3,200 linear ft of 10'x8', 12'x8', and 16'x8' underground box culvert from the intersection with Phase 2 at Prairie following the PEC 4 Tributary and then traveling down Mulberry to Bernard. Box culvert will contain the 100-yr floodplain.	Storm drain	15,973,000	81	2.13	91.01	9.10	70	1.05	244	4.60	2	1.73	1	1.69	1	0.57	0	0	0	0	0.10	0.10	No	0	0	<100-yr	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	21.13	11.75	32.88	83
153000064	15	West Main Drain III Extension BP 14	Hidalgo County Drainage District 1	Approximately 5.3 miles of channel improvements includes widening the Mission McAllen Drain within existing ROW, from SH 107 to 3 Mile North.	Infrastructure	17,480,000	1633	3.39	48.53	4.85	0	0	6025	6.98	0	0	0	0	0	0	0	0	0	0	1.90	1.90	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.98	12.75	32.73	84
153000066	15	Mission-McAllen Drain BP 12	Hidalgo County Drainage District 1	Approximately 5.3 miles of channel improvements includes widening the Mission McAllen Drain within existing ROW, from SH 107 to 3 Mile North.	Infrastructure	21,110,000	1633	3.39	48.53	4.85	0	0	6025	6.98	0	0	0	0	0	0	0	0	0	0	1.90	1.90	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.98	12.75	32.73	84
033000079	3	Cordell Detention Pond (Rayzor Elementary School Pond)	Denton	Detention pond located on the intersection of W University Drive and Malone Street along Pecan near Rayzor Elementary School. Pond capacity will be approximately 90 acre-feet with a surface area of approximately 12 acres.	Infrastructure	15,497,000	42	1.86	14.14	1.41	39	0.93	373	4.91	2	1.73	0	0	0	0	0.12	0.06	10.00	1.00	0.10	0.10	No	0	0	<10-yr	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	11.66	21.00	32.66	86
133000024	13	Risk Area 19 - Driscoll	Driscoll	Initially water flows from Driscoll from S to N, flowing into Petronila Creek. Petronila Creek eventually flows N to S through Driscoll. Petronila splits W around Driscoll and through Driscoll heading E over Highway 77.	Infrastructure	73,965,664	70	2.07	22.51	2.25	42	0.94	406	4.98	0	0	0	0	1	0.57	34.23	2.23	15.00	1.50	0.03	0.03	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.88	18.75	32.63	87
133000018	13	Risk Area 06 - Agua Dulce	Agua Dulce	Excessive runoff passing over CO Rd 105 further inundates the town of Agua Dulce. Both detention and channel improvements will be needed.	Infrastructure	93,479,760	41	1.85	19.07	1.91	39	0.93	127	4.17	0	0	0	0	3	1.18	103.47	2.81	15.00	1.50	0.05	0.05	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.71	18.75	32.46	88
043000002	4	Terry Gully Regional Detention Pond 2	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pond	13,859,613	76	2.11	6.01	0.60	190	1.27	458	5.07	8	3.33	0	0	0	0	81.00	2.69	0	0	0.20	0.20	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.55	16.75	32.30	89
123000016	12	PROJECT 16 - SOUTH CURREY CREEK CHANNEL IMPROVEMENTS	Boerne	Low water crossing improvements, channel improvements. This project is dependent on projects 1A, 3, 12, and 13 being completed and Project 15 being implimented at the same time as this project to achieve the project benefits.	LWC upgrade	1,421,580	64	2.03	22.86	2.29	0	0	648	5.33	0	0	1	1.69	0	0	0	0	1.20	0.12	1.33	1.33	No	0	10	The project	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	14.72	17.50	32.22	90
063000311	6	City of Galveston- 37th Street Improvement Project	Galveston	The project proposes storm sewer improvements coupled with implementing a stormwater pump station to addressing 100-year event flooding and improve access to major evacuation routes.	Infrastructure	75,000,000	196	2.50	100.00	10.00	155	1.22	468	5.08	3	2.18	0	0	5	1.50	0	0	0	0	0.08	0.08	No	0	0	Unknown	0	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	22.69	9.50	32.19	91
123000069	12	Drainage Improvements at CR 337 and CR 326 Near City of Runge	Karnes County	Elevate CR 337 and CR 326 and upgrade low water crossings to include box culverts and channel improvements. Channel improvements along CR 337 to improve level of service	Comprehensive	6,773,000	1	0.37	100.00	10.00	0	0	0	0	0	0	2	2.77	1	0.57	0.89	0.42	5.00	0.50	0	0	No	0	2	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.38	17.75	32.13	92
123000044	12	Overbrook Drainage Improvement Phase 1 & 2	San Antonio	Improve drainage system south of Overbrook Drive to contain 100 year storm event.	Storm drain	30,842,000	83	2.14	51.88	5.19	83	1.09	341	4.85	0	0	0	0	1	0.57	0	0	3.00	0.30	0.30	0.30	No	0	0	<10	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	14.74	17.25	31.99	93
083000784	8	Bessie's & Brookshire Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	285,000,000	213	2.54	25.54	2.55	181	1.26	413	4.99	1	1.06	0	0	9	1.88	1214.76	4.11	0	0	0.02	0.02	No	0	0	2-year	8	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	18.43	13.50	31.93	94
133000008	13	City of Benavides Main City Network Storm Drain Improvements	Benavides	Clean filled-in trench drain and outfall channel, upsize existing pipes (7,900 linear feet), 12 new inlets.	Storm drain	8,617,000	25	1.64	51.02	5.10	24	0.83	82	3.79	0	0	0	0	1	0.57	0	0	5.00	0.50	0.80	0.80	No	0	0	<100	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.18	17.75	31.93	95

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000037	15	Drain D Channel Improvements	Cameron County Drainage District 3	Project includes channel improvements and the replacement of culverts through Drain D, adjacent to Mayfield Road.	Infrastructure	3,756,840	30	1.72	34.88	3.49	0	0	90	3.86	0	0	0	0	0	0	0	0	0.30	0.03	3.20	3.20	No	0	0	10	8	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.08	14.75	31.83	96
053000022	5	Virginia Street Detention	Jefferson County Drainage District 6	The project consists of storm sewer improvements and the construction of new detention ponds to provide increased capacity to the existing storm sewer system. Improvements primarily located at the southern edge of Beaumont near US-287 N.	Comprehensiv	9,751,456	199	2.51	52.93	5.29	174	1.25	689	5.37	0	0	0	0	3	1.18	0.48	0.25	0	0	2.79	2.79	No	0	3	Unknown	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	22.82	9.00	31.82	97
083000843	8	Bullhead Bayou Channels and Detention	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	62,498,000	44	1.88	78.57	7.86	24	0.83	396	4.96	0	0	0	0	5	1.50	636.77	3.77	0	0	0.01	0.01	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas.	4	20.81	11.00	31.81	98
043000004	4	Terry Gully Regional Detention Pond 4	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pon	60,463,724	61	2.01	4.82	0.48	4	0.45	463	5.08	8	3.33	0	0	1	0.57	120.00	2.89	0	0	0.10	0.10	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.06	16.75	31.81	99
143000021	14	SOC4	El Paso County, EPCWID1	Sediment/Detention Basin at "Mankato Arroyo"	Detention pon	2,383,000	10	1.26	100.00	10.00	2	0.31	26	2.94	0	0	0	0	0	0	19.24	1.93	0	0	0.10	0.10	No	0	0	<1% annual ch	4	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	16.68	15.00	31.68	100
043000005	4	Claiborne Park Regional Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pon	133,851,864	75	2.10	2.25	0.22	27	0.85	472	5.09	8	3.33	0	0	1	0.57	92.45	2.76	0	0	0.20	0.20	No	0	0	Unknown	10	50%-75% of project community affected	7	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.42	16.25	31.67	101
153000061	15	CCDD6 Project 13	Cameron County Drainage District 6	This proposed project will help establish a Regional Detention Facility (RDF) at the outfall of the Main Drain.	Comprehensiv	7,125,950	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	3	2	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.13	15.50	31.63	102
063000344	6	White Oak Bayou - Design and Construction of Woodland Trails Stormwater Detention Basin	Harris County Flood Control District	This project includes a stormwater detention basin that compliments the federal project on White Oak Bayou.	Detention pon	42,600,000	702	3.04	12.40	1.24	629	1.52	3011	6.47	2	1.73	0	0	19	2.36	0	0	0	0	1.89	1.89	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	21.08	10.50	31.58	103
093000022	9	Industrial Channel Project A	Midland County	Channel improvements are planned for the Industrial Channel beginning at the channel's confluence with Midland Draw just south of U.S. Highway 80 (Business 20) at Station 0+00. The first reach of improvements extend upstream to the eastern edge of an exi	Other	1,120,000	1	0.37	0.41	0.04	1	0.19	7	1.96	0	0	0	0	1	0.57	11.27	1.65	25.00	2.50	1.10	1.10	No	0	0	Unknown	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	8.78	22.75	31.53	104
063000060	6	Lake Creek - Detention on Garretts Creek, Little Caney Creek, & Caney Creek	Montgome ry County	The goal of the detention ponds is to reduce flooding in the Lake Creek and West Fork watersheds by constructing earthen impoundments that captures runoff from Garrett's Creek, Caney Creek, & Little Caney Creek.	Detention pon	291,000,000	355	2.75	74.11	7.41	265	1.34	383	4.93	0	0	1	1.69	5	1.50	0	0	0	0	0.26	0.26	No	0	0	Varies by Roa	8	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.28	11.25	31.53	105
153000036	15	NM-102	La Villa	Project includes expansion of HCDD1 Lull Drain and addition of laterals NM-102-01, NM-102-02, and NM-102-03	Infrastructure	4,756,150	145	2.38	96.03	9.60	0	0	290	4.73	0	0	0	0	0	0	0	0	0.30	0.03	1.60	1.60	No	0	0	10	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.72	10.75	31.47	106
043000006	4	Kinard Estates Drainage Improvements	Orange County Drainage District	Proposed detention pond and local drainage improvements for flood mitigation	Detention pon	96,833,696	129	2.33	8.59	0.86	71	1.06	554	5.21	9	3.47	0	0	1	0.57	140.00	2.97	0	0	0.10	0.10	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.72	14.75	31.47	107
063000399	6	Halls Bayou - Right-Of-Way, Design, and Construction of Channel Conveyance Improvements on P118-25-00 & P118-25-01	Harris County Flood Control District	This project provides analysis and preliminary design (Alternative 3b) for detention basin, widening of existing channels, and extension of channel P118-25-01 (Halls Bayou Tributary).	Comprehensiv	14,939,000	952	3.16	7.04	0.70	625	1.52	3088	6.49	3	2.18	0	0	5	1.50	0	0	0	0	0.96	0.96	No	0	2	Varies	3	25%-50% of project community affected	4	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.95	13.50	31.45	108
033000089	3	Arlington Johnson Creek - Collins Street and Division Street Buyout	Arlington	Property acquisition of approximately one hundred twenty four (124) structures along Collins Street and Division Street. No channel improvements planned.	Property acqui	30,258,000	119	2.29	100.00	10.00	76	1.07	640	5.32	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	<100-yr	6	25%-50% of project community affected	4	Life/injury risk percentage >40%	8	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	18.68	12.75	31.43	109
013000015	1	Echo/Neta Lane Drainage Project	Wichita Falls	Install a storm drain system with curb and gutter along Jacksboro Highway beginning south of Echo Lane and reaching north to Norman Street.	Storm drain	2,853,000	14	1.40	77.78	7.78	14	0.71	42	3.29	0	0	0	0	0	0	0	0	0	0	3.70	3.70	No	0	0	<50% annual	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	22.43	9.00	31.43	110
083001292	8	Comanche Detention	Comanche	Addition of detention and channel benching	Comprehensiv	46,985,220	40	1.84	19.90	1.99	29	0.87	55	3.49	0	0	0	0	1	0.57	26.14	2.09	0	0	0.02	0.02	No	0	2	10-year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	10.89	20.50	31.39	111
053000024	5	Borley Heights Relief Project	Jefferson County Drainage District 6	The project consists of constructing three new crossings under the LNVA Canal, a diversion ditch on the west side of the canal, concrete-lined receiving ditches along the canal, and improvements to the existing Ditch 1002-B.	Comprehensiv	4,577,210	157	2.41	91.28	9.13	155	1.22	277	4.69	0	0	0	0	1	0.57	4.24	1.14	0	0	1.66	1.66	No	0	2	Unknown	3	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	23.31	8.00	31.31	112

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
123000015	12	PROJECT 15 - NORTH CURREY CHANNEL IMPROVEMENTS	Boerne	Channel regrading, curbs, sidewalks, street reconstruction. This project is dependent on projects 1A, 3, 12, and 13 being completed and Project 16 being implemented at the same time as this project to achieve the project benefits.	Channel	663,404	64	2.03	22.86	2.29	0	0	648	5.33	0	0	0	0	0	0	0	0	1.79	0.18	1.33	1.33	No	0	0	The project	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	13.06	18.25	31.31	113
133000037	13	Citywide Stormwater Drainage Improvements - Taft	Taft	Ditch improvements along Compress Rd, Industrial St, and in Taft Southwest subdivision, upsized stormsewer on Reynolds Ave and Kirkpatrick St, new stormsewer on Gregory Ave, Pecan St, Walnut St, Ave A, Ave C, Harding St, and Victoria Ave.	Infrastructure	32,942,000	115	2.28	13.56	1.36	102	1.13	436	5.03	0	0	0	0	1	0.57	230.89	3.24	3.00	0.30	0.09	0.09	No	0	0	< 100-Year	6	50%-75% of project community affected	7	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.98	17.25	31.23	114
033000086	3	Project 8A - Cheyenne Dr	Richardson	Project 8a replaces existing storm sewer mains with larger storm sewers and increases the number of curb to gutter inlets to reduce flooding.	Infrastructure	792,000	7	1.11	100.00	10.00	7	0.56	20	2.74	1	1.06	1	1.69	0	0	0	0	0	0	0.10	0.10	No	0	0	<100-yr	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	17.41	13.75	31.16	115
033000062	3	Hickory Creek Flood Protection - Alternative 1	Balch Springs	Hickory Creek Drainage Improvements project 2022 update based on input from the City of Balch Springs. Alternative 1 involves storm water detention pond facilities & the removal of Stein Road at river station 54955 on Hickory Creek was included	Detention pon	27,272,000	31	1.73	25.00	2.50	29	0.87	90	3.86	8	3.33	0	0	1	0.57	7.18	1.41	15.00	1.50	0.05	0.05	No	0	0	<2-yr	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.14	16.00	31.14	116
133000031	13	City of Gregory Citywide Stormwater Drainage Improvements	Gregory	Includes ditch improvements for Southwest Outfall and the Southside Diversion, swale and culvert improvements on Black Welder Street, and drainage improvements along HWY 181 Frontage Rd, HWY 35, S. Gregory, and FM 3284.	Infrastructure	25,079,000	31	1.73	6.60	0.66	30	0.87	100	3.94	9	3.47	0	0	3	1.18	247.00	3.27	3.00	0.30	0.04	0.04	No	0	0	< 100-Year	6	50%-75% of project community affected	7	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.36	15.75	31.11	117
073000014	7	Bovina Buyout Program	Parmer County	Buy out 5 properties, pending owners' voluntary agreement, along East Street, that are directly across from the playa lake and to make the area into open green space	Property acqui	550,000	5	0.97	100.00	10.00	5	0.49	5	1.72	0	0	0	0	0	0	0	0	0	0	1.90	1.90	No	0	0	Unknown	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 4 or more wider benefit categories	10	Project will deliver a high level of environmental benefits (4+ categories)	10	Project provides no change to major, minor, or emergency access routes in the project area.	0	17.93	13.00	30.93	118
153000056	15	CCDD6 Project 8	Cameron County Drainage District 6	This proposed project will involve creating a new proposed ditch approximately 1,800 feet long within the AN-47 Drain Basin.	Comprehensive	1,448,260	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	2	2	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.13	14.75	30.88	119
153000057	15	CCDD6 Project 9	Cameron County Drainage District 6	This proposed project will involve widening approximately 4,680 feet of the existing ditch located to the southwest of Santa Rosa.	Infrastructure	1,172,960	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	10	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.13	14.75	30.88	119
153000058	15	CCDD6 Project 10	Cameron County Drainage District 6	This proposed project will involve constructing a new ditch and several drainage structures that will connect a combination of existing ditches, some of which drain to Tio Cano Lake and redirect them to outfall to Parker Drain.	Infrastructure	1,240,405	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	2	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.13	14.75	30.88	119
153000059	15	CCDD6 Project 11	Cameron County Drainage District 6	This proposed project will involve widening approximately 34,000 feet of the existing Parker Drain, which at its current configuration is inadequate to convey the larger storm events that have plagued the region.	Infrastructure	9,462,892	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	2	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.13	14.75	30.88	119
153000060	15	CCDD6 Project 12	Cameron County Drainage District 6	This proposed project will involve widening approximately 16,450 feet of the existing Main Drain, which at its current configuration is inadequate to convey the larger storm events that have plagued the region.	Infrastructure	4,355,820	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	2	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.13	14.75	30.88	119
053000019	5	Tevis Diversion	Jefferson County Drainage District 6	This project includes storm sewer improvements that divert flow away from DD6 channel 115 to be redirected to the Neches River.	Channel	97,327,200	394	2.79	55.34	5.53	284	1.35	1986	6.16	7	3.17	0	0	5	1.50	0.03	0.02	0	0	0.05	0.05	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.65	10.00	30.65	124
063000418	6	Houston Port Area Flood Mitigation	Houston	The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance capacity and construction of a detention basin.	Infrastructure	99,022,000	538	2.93	70.33	7.03	514	1.48	1912	6.13	0	0	0	0	2	0.94	0.25	0.13	0	0	0.30	0.30	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.38	11.25	30.63	125
033000077	3	White Settlement Rd. Storm Sewer System Improvements	Westwort h Village	Upgrade of 1940 LF of existing storm sewer, 5 existing junction boxes, and 2 headwalls from east of Burton Hill Road to west of Tanny Street. Construction of 5 new inlets and 5 curb inlet extensions.	Infrastructure	1,904,000	13	1.37	100.00	10.00	11	0.66	18	2.66	2	1.73	0	0	0	0	0.34	0.18	0	0	0.10	0.10	No	0	0	1-yr	4	25%-50% of project community affected	4	Life/injury risk percentage >40%	8	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	16.84	13.75	30.59	126
033000085	3	Harvest Hills Channel and Drainage Improvements	Arlington	Option 2 (Briar Meadow Diversion) DS channel improvements gives a 100-year LOS to project structures, uses larger pipes, channel widening for conveyance, 6 buyouts, positive overflow & separate outfalls of existing dual 48" RCPs. Total cost $12,656,000.	Infrastructure	15,063,000	44	1.88	100.00	10.00	41	0.94	164	4.30	3	2.18	0	0	1	0.57	0	0	0	0	0.17	0.17	No	0	0	2-yr	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.30	10.25	30.55	127
123000032	12	Woodlawn Lawn Lake Option 2	Balcones Heights	Detention, Storm drain improvements, Culvert Improvements, Roadway Improvements.	Channel	9,196,000	13	1.37	68.42	6.84	13	0.69	84	3.81	0	0	0	0	1	0.57	0	0	10.00	1.00	0.10	0.10	No	0	0	<10	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	14.03	16.50	30.53	128

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
113000044	11	Comal County Regional Detention on Bear Creek	Comal County	The proposed dam height of 85 ft. and dam length of 620 ft. will provide a maximum storage capacity of approximately 3,375 ac-ft.	Detention pond	9,179,000	159	2.41	1.62	0.16	112	1.15	456	5.06	0	0	0	0	0	0	0	0	1.30	0.13	2.64	2.64	Yes	1	0	50-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.46	15.00	30.46	129
013000020	1	Wild Horse Creek	Burkburnett	Replaces existing culvert with a bridge and grading to increase road level of service.	Infrastructure	3,411,000	2	0.60	50.00	5.00	1	0.19	1	0.65	0	0	1	1.69	0	0	0	0	0	0	2.90	2.90	No	0	0	<50% annual	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	15.39	15.00	30.39	130
133000026	13	Risk Area 20 - Fiesta Ranch	Robstown	The area is initially flooded through local runoff. Eventually flooding and backwater from Petronilla creek further inundates the area.	Infrastructure	35,398,560	29	1.70	42.03	4.20	29	0.87	87	3.83	0	0	0	0	0	0	0	0	15.00	1.50	0.06	0.06	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.51	18.75	30.26	131
103000066	10	Broadway Avenue at Backbone Creek Low Water Crossing	Marble Falls	This FMP replaces the Broadway Street bridge and does channel improvements adjacent to the bridge. The existing bridge is approximately 150 feet long. The new bridge length will be increased to approximately 350 feet long and be raised up 10.5 feet.	LWC upgrade	5,235,000	4	0.88	14.29	1.43	2	0.31	26	2.94	0	0	1	1.69	0	0	0.01	0.01	10.00	1.00	0.70	0.70	No	0	10	2 YR	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	9.50	20.75	30.25	132
043000010	4	Upper Adams Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pond	19,561,928	55	1.97	10.34	1.03	11	0.66	437	5.03	8	3.33	0	0	0	0	84.00	2.70	0	0	0.30	0.30	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.48	14.75	30.23	133
023000005	2	TexAmericas Detention Pond #1	TexAmericas Center, Hooks	Proposed Wet Detention Pond	Detention pond	9,545,000	24	1.62	77.42	7.74	14	0.71	262	4.65	0	0	0	0	0	0	0	0	10.00	1.00	0.30	0.30	No	0	0	<2-yr	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.98	14.25	30.23	134
113000037	11	City of Waelder Baldridge Creek Channel and Culvert Improvement and Detention Pond	Waelder	The chosen alternative consists of a 50 ft bottom width channel modification with 3:1 side slopes downstream of SH 97 and the addition of two 10' x 10' concrete box culverts.	Comprehensive	3,928,000	87	2.16	71.31	7.13	56	1.01	131	4.14	0	0	4	4.02	1	0.57	0	0	5.00	0.50	0.78	0.78	No	0	2	25-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	21.22	9.00	30.22	135
153000075	15	Olmito Townsite Flood Mitigation Project	Cameron County	The proposed solution for the Olmito Townsite includes the construction of 1955 linear feet of local drainage improvements, removal of the existing 42" storm drain from Broussard Street, and construction of an additional 60" reinforced concrete pipe stor	Infrastructure	4,710,994	90	2.18	92.78	9.28	0	0	270	4.67	0	0	0	0	0	0	0	0	0	0	1.52	1.52	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.93	10.25	30.18	136
133000033	13	Odem Citywide Stormwater Drainage Improvements	Odem	Includes ditch regrading along Borden St, expansion of Peters Swale, improvements to Owl Square Ditch and addition of subsurface detention, and drainage system improvements and expansion for Cooper Rd drainage system.	Infrastructure	25,210,000	60	2.01	43.80	4.38	59	1.02	187	4.40	0	0	0	0	2	0.94	136.32	2.96	3.00	0.30	0.03	0.03	No	0	0	< 100-Year	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.92	14.25	30.17	137
123000003	12	PROJECT 3 - CURREY CREEK REGIONAL DETENTION FACILITY	Boerne	Inline detention facility with additional stormdrain improvements	Detention pond	8,908,570	106	2.24	37.86	3.79	0	0	522	5.16	0	0	0	0	0	0	0	0	0	0	2.79	2.79	Yes	1	0	The project i	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 4 or more wider benefit categories	10	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	18.17	12.00	30.17	138
063000422	6	Danubina Drainage Improvements	Baytown	This CDBG-MIT application involves the installation and construction of improvements along Hull Gully, detention, and storm sewer improvements along Hunnicutt Street.	Infrastructure	18,468,000	111	2.26	81.02	8.10	86	1.10	304	4.76	0	0	0	0	10	1.95	0	0	0	0	0.96	0.96	No	0	0	Unknown	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.57	9.50	30.07	139
063000434	6	Houston Kashmere Gardens Area Flood Mitigation	Houston	The project includes improvements to storm sewer, roadside ditch systems, culverts, sewer inlets, and the construction of detention basins.	Infrastructure	94,880,000	457	2.86	37.43	3.74	370	1.41	1494	5.95	1	1.06	0	0	0	0	0	0	0	0	1.09	1.09	No	0	0	Unknown	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.74	12.25	29.99	140
133000021	13	Risk Area 26 - Balchuck Ln & Digger Ln	Corpus Christi	Many drainage issues from recent development and runoff from nearby streams cause flooding in the residential areas.	Infrastructure	19,160,010	18	1.50	31.58	3.16	18	0.76	54	3.48	0	0	0	0	1	0.57	41.27	2.33	15.00	1.50	0.06	0.06	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.70	17.25	29.95	141
113000080	11	Caldwell County US 183 @ Clear Fork Plum Creek	Caldwell County	Expand existing US 183 and Robin Ranch Rd bridge openings; channel improvements	Comprehensive	16,501,000	17	1.48	100.00	10.00	0	0	128	4.12	0	0	0	0	0	0	0	0	5.00	0.50	0.10	0.10	No	0	2	NULL	8	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.10	13.75	29.85	142
083001298	8	Prairie Wind Alternative 2	Stephenville	Includes channel excavation, creation of an additional channel, and (5) 10'x6' RCB	LWC upgrade	6,182,000	8	1.16	100.00	10.00	8	0.59	23	2.85	0	0	1	1.69	0	0	0	0	10.60	1.06	0.60	0.60	No	0	10	< 2-Year	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate Vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.32	11.50	29.82	143
063000360	6	Kingwood Diversion Ditch (G103-38-00)	Harris County Flood Control District	Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge replacements, as well as a new outfall to the West Fork San Jacinto River.	Comprehensive	62,938,000	49	1.92	62.03	6.20	32	0.89	3244	6.52	10	3.59	0	0	25	2.54	0	0	0	0	0.03	0.03	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	21.74	8.00	29.74	144

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000019	15	Weslaco Stormwater Improvement Plan - West Weslaco	Combes	The project is located just west of Border Avenue, between US 83 and Zelma Street. Construction of three detention ponds, 18 acres east of Vaughn Road and Midway Road, 26 acres near West 6th Street and Milano Road and 60 acres at Harlon Block Sports Comp	Infrastructure	37,305,800	747	3.06	68.22	6.82	0	0	2241	6.25	0	0	0	0	0	0	0	0	0.10	0.01	0.40	0.40	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.14	12.50	29.64	145
123000025	12	Barbara Drive Drainage Improvements	San Antonio	Upsizing the boxes underneath Dellwood Drive and Oblate Drive. The improvements will also include reconstruction of the street and curb for the portion of Dellwood Drive and Oblate Drive within the project boundary	Storm drain	27,826,900	25	1.64	59.52	5.95	0	0	54	3.48	0	0	0	0	2	0.94	0	0	0	0	0.04	0.04	No	0	0	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	12.11	17.50	29.61	146
143000111	14	NW3	El Paso Water	Construction of new larger capacity Doniphan Pump Station to replace PS1, with new force main directly to the Rio Grande. Install new catch basin with mechanical bar screen upstream of PS2.	Detention pon	16,132,000	6	1.04	100.00	10.00	1	0.19	37	3.20	1	1.06	0	0	1	0.57	0	0	0	0	0	0	No	0	0	<1% annual ch	4	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (benefits in only 1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	16.06	13.50	29.56	147
123000026	12	Thames Drainage Channel Replacement - Alt 1	San Antonio	Replace the existing culverts at Blanco Rd., San Pedro Ave, Thames Dr, Private Dr and Dorsets.	Storm drain	28,990,700	3	0.76	11.54	1.15	20	0.79	69	3.66	0	0	3	3.49	1	0.57	0	0	0	0	0.03	0.03	No	0	0	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	10.50	19.00	29.50	148
063000476	6	Cypress Creek Watershed Major Tributaries Regional Drainage Plan Update, Alternative 1 Basins K500-01 and Stoubmer Airline Road (2018 Bond Projects C1-36 and C1-20)	Harris County Flood Control District	Provides for design and construction of two detention basins in the Cypress Creek watershed, including a new 4,756 ac-ft detention basin and an expansion of an existing HCFCD detention basin along K500-01-00 from 531 ac-ft to 9,336 ac-ft of storage.	Detention pon	345,329,984	1488	3.35	8.03	0.80	1304	1.68	7070	7.10	10	3.59	0	0	22	2.46	0	0	0	0	0.39	0.39	No	0	0	Unknown	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.96	9.50	29.46	149
123000002	12	PROJECT 2 - UNNAMED TRIBUTARY A REGIONAL DETENTION FACILITY	Boerne	Inline detention facility with culvert improvements	Detention pon	7,013,130	113	2.27	93.39	9.34	0	0	24	2.88	0	0	0	0	0	0	0	0	0	0	0.54	0.54	Yes	1	0	The project is	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 4 or more wider benefit categories	10	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	15.84	13.50	29.34	150
123000017	12	Lewis Creek Alternative 1 Phase 1 & 2	Bulverde	Channel improvement, roadway improvement	Channel	6,021,780	22	1.59	64.71	6.47	0	0	36	3.18	0	0	0	0	0	0	0	0	6.14	0.61	0.11	0.11	No	0	0	Unknown	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	11.82	17.50	29.32	151
033000063	3	Hickory Creek Flood Protection - Alternative 2	Balch Springs	Hickory Creek Drainage Improvements project 2022 update has input from the City of Balch Springs. Alternative 2 involves channel modifications on Hickory Creek & detention, & the removal of Stain Road at river station 54955 on Hickory Creek was included	Infrastructure	30,531,000	30	1.72	24.19	2.42	27	0.85	90	3.86	8	3.33	0	0	1	0.57	7.18	1.41	10.00	1.00	0.05	0.05	No	0	0	<2-yr	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.78	14.50	29.28	152
063000469	6	Mainstem Evaluation Projects - Veterans Memorial (2018 Bond Project C-41)	Harris County Flood Control District	Project consists of ROW acquisition and construction of a detention basin near Veterans Memorial which provides approximately 460 acre-feet of storage.	Detention pon	35,250,000	292	2.67	2.12	0.21	231	1.31	1037	5.67	1	1.06	0	0	6	1.62	0	0	0	0	0.49	0.49	No	0	0	Unknown	6	25%-50% of project community affected	4	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.76	15.50	29.26	153
013000012	1	City of Canyon Flood Mitigation Project	Canyon	The proposed improvements include upstream and midstream detention ponds, channel enlargements and low water crossings improvements to reduce flooding in the residential area near Palo Duro Creek Golf Course.	Other	37,238,000	27	1.67	25.47	2.55	27	0.85	81	3.78	0	0	3	3.49	0	0	0	0	0	0	0.51	0.51	No	0	0	<50% annual	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	13.61	15.50	29.11	154
153000034	15	Drain F-23 Culvert Improvements	Cameron County Drainage District 3	Project includes replacing 48" RCP at Williams Road with a 6'x6' RCB.	Infrastructure	363,667	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.03	8.30	8.30	No	0	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.77	8.25	29.02	155
033000083	3	Pumphrey Dr. Storm Sewer System Improvements	Westwort h Village	Upgrade of 280 LF of existing sewer, 2 existing inlets, and 1 headwall	Infrastructure	221,000	2	0.60	100.00	10.00	1	0.19	2	1.07	1	1.06	0	0	0	0	2.00	0.76	0	0	0	0	No	0	0	1-yr	4	>75% of project community affected (by population)	10	Life/injury risk percentage >40%	8	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.68	15.25	28.93	156
123000040	12	Blue Ridge Drive Drainage Improvements	San Antonio	Improve neighborhood and street flooding along Blue Ridge Drive by installing new culverts and a flow bypass system.	Storm drain	21,064,000	18	1.50	36.73	3.67	18	0.76	54	3.48	0	0	0	0	1	0.57	0	0	3.00	0.30	0.20	0.20	No	0	0	<10	4	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	10.64	18.25	28.89	157
053000023	5	Delaware Hilcorp Detention Diversion	Jefferson County Drainage District 6	Construct two detention ponds near Delaware Street that outfall to DD6 Ditch 121 and Hillebrandt Bayou. Ponds to be accompanied by storm sewer improvements to aid in redirecting flow.	Comprehensiv	13,181,257	229	2.57	15.31	1.53	148	1.21	681	5.36	0	0	0	0	0	0	0.22	0.11	0	0	4.04	4.04	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.89	8.00	28.89	158
033000095	3	DMP Phase 1: Kirven Avenue (Project 1)	Waxahachi e	Supplement existing storm drain system with additional parallel system near the intersection of Almond St and Sycamore St that extends downstream along Harbin Ave to the existing Marvin Ave outfall. Upsize Marvin Ave to 8' x 7' RCB outfall.	Storm drain	11,048,000	14	1.40	63.64	6.36	12	0.68	37	3.20	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	<5-yr	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	11.64	17.25	28.89	159
153000051	15	Floodway Pump Stations (Canou)	Cameron County Drainage District 6	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	Infrastructure	2,360,700	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	10	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.13	12.75	28.88	160
153000052	15	Floodway Pump Stations (Main)	Cameron County Drainage District 6	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	Infrastructure	2,360,700	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	10	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.13	12.75	28.88	160

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000053	15	Floodway Pump Stations (Thompson)	Cameron County Drainage District 6	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	Infrastructure	2,360,700	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	10	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.13	12.75	28.88	160
153000054	15	Floodway Pump Stations (Parker)	Cameron County Drainage District 6	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	Infrastructure	2,360,700	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	2	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.13	12.75	28.88	160
153000055	15	Floodway Pump Stations (Adams Gardens)	Cameron County Drainage District 6	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	Infrastructure	2,360,700	418	2.82	90.48	9.05	0	0	79	3.76	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	10	6	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.13	12.75	28.88	160
113000065	11	City of Seguin Regional Detention Southwest of Seguin City Limits Project	Seguin	Proposed regional detention detention project on Mays Creek.	Detention pon	2,015,000	8	1.16	40.00	4.00	8	0.59	19	2.70	0	0	1	1.69	1	0.57	0	0	13.70	1.37	1.17	1.17	No	0	0	25-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.33	14.50	28.83	165
063000334	6	Goose Creek Flood Risk Reduction	Harris County Flood Control District	The project includes three phases of development. Phase 1 includes a regional detention basin and channel improvements along two segments of Goose Creek for a total length of 1.65 miles. Phase 2 includes a regional detention basin and channel improvements	Comprehensiv	46,494,000	269	2.63	27.45	2.74	220	1.30	1283	5.83	9	3.47	0	0	28	2.62	0	0	0	0.48	0.48	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.79	9.00	28.79	166
083000820	8	Gapps Slough Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	48,302,000	164	2.43	55.59	5.56	161	1.23	254	4.63	0	0	0	0	6	1.62	546.85	3.69	0	0	0.05	0.05	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	19.27	9.50	28.77	167
123000011	12	PROJECT 11 - RIVER ROAD AT UNNAMED TRIBUTARY A	Boerne	Improve low water crossings along River Road, channel regrading, curbs, sidewalks, street reconstruction	LWC upgrade	1,326,810	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0.36	0.04	3.10	3.10	No	0	10	10-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	9.46	19.25	28.71	168
123000010	12	PROJECT 10 - E. BLANCO ROAD AT UNNAMED TRIBUTARY A	Boerne	Improve low water crossings along Blanco Road, channel regrading, curbs, sidewalks, street reconstruction	LWC upgrade	1,516,350	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0.28	0.03	4.10	4.10	No	0	10	10-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	11.95	16.75	28.70	169
113000036	11	City of Waelder Baldridge Creek Regional Detention Pond	Waelder	The proposed regional detention pond on Baldridge Creek would be located northwest of the city. It would release runoff at a substantially lower flowrate, resulting in a lower flood elevation.	Comprehensiv	2,573,000	48	1.91	36.36	3.64	35	0.91	72	3.69	0	0	3	3.49	1	0.57	0	0	6.00	0.60	1.19	1.19	No	0	2	25-year	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.48	11.00	28.48	170
143000122	14	WC1	El Paso Water, El Paso County	Sediment Retention Basin	Detention pon	4,461,518	102	2.23	92.73	9.27	90	1.11	349	4.87	0	0	0	0	2	0.94	0	0	0	0	0.37	0.37	No	0	0	<1% Annual C	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	<Null>	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	19.33	9.00	28.33	171
123000077	12	Nichols Creek Tributary 2 Drainage Improvements	Karnes County	Upgrade Escondido Street crossing with an additional box and upstream channel improvements	LWC upgrade	1,651,000	1	0.37	50.00	5.00	0	0	3	1.35	0	0	0	0	1	0.57	0	0	5.00	0.50	1.60	1.60	No	0	10	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.54	16.75	28.29	172
093000013	9	Northwest Andrews Playa Lake Excavation	Andrews	Proposed Excavation in playa located south of Taylor and west of new 5th Street (FM301). Approximate 53,000 cu.-yd.of removed earth material.	Other	840,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.90	3.90	No	0	0	Unknown	10	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a high level of environmental benefits (4+ categories)	10	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	9.75	18.50	28.25	173
013000016	1	Hirschi - Huskie Drainage Project (City of Wichita Falls)	Wichita Falls	Extend the existing storm drain system on Huskie Drive to reach to the north and south on Hirschi Lane. Additionally, acquire properties along the north side of Iowa Park Road between Hirschi Lane and Ridgeway Drive.	Storm drain	632,000	35	1.78	100.00	10.00	35	0.91	105	3.97	0	0	0	0	0	0	0	0	0	0	0.80	0.80	No	0	0	<50% annual	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.66	9.50	28.16	174
053000020	5	Blanchette Diversion	Jefferson County Drainage District 6	The project proposes storm sewer improvements that divert flow away from existing channels to be redirected to the Neches River at a proposed outfall location near Blanchette Street.	Channel	99,173,000	550	2.93	35.53	3.55	442	1.45	2005	6.16	0	0	0	0	11	2.01	0	0	0	0	0.62	0.62	No	0	0	Unknown	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.66	10.50	28.16	175
153000068	15	2022 Bond Project 4 - North Main Drain III & I	Hidalgo County Drainage District 1	For Bond Project 4, North Main Drain III and I, approximately 9 miles of channel improvements are implemented including widening the North Main Drain within the existing right of way, from Monte Cristo Road to J-09 Drain.	Infrastructure	14,955,300	561	2.94	58.93	5.89	0	0	1683	6.03	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.37	12.75	28.12	176
013000002	1	Rhea Road Drainage Project	Wichita Falls	The proposed improvements include the installation of a storm drain system along north on Rhea Road that would eliminate structure flooding in the 100-year storm event.	Storm drain	2,995,000	27	1.67	100.00	10.00	26	0.84	81	3.78	1	1.06	0	0	0	0	0	0	0	0	1.10	1.10	No	0	0	<50% annual	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	20.10	8.00	28.10	177
123000008	12	PROJECT 8 - JOHNS AND LOHMANN STREET	Boerne	Storm drain and channel improvements	Storm drain	1,705,900	0	0	0	0	0	0	36	3.18	0	0	0	0	0	0	0	0	0	0	5.46	5.46	No	0	0	The project i	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	16.83	11.25	28.08	178

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
123000009	12	PROJECT 9 - UNNAMED TRIBUTARY A-SUBDIVISION FLOOD PROTECTION & MOBILITY PROJECT	Boerne	Low water crossing improvements, channel improvements	LWC upgrade	4,833,370	79	2.12	65.29	6.53	0	0	126	4.11	0	0	0	0	1	0.57	0	0	0.35	0.04	0.48	0.48	No	0	10	The project	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 4 or more wider benefit categories	10	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	14.55	13.50	28.05	179
143000116	14	EA9A	El Paso Water	Build sediment/detention basin upstream of Paseo del Este Drive	Detention pond	11,897,000	13	1.37	76.47	7.65	2	0.31	282	4.71	0	0	1	1.69	1	0.57	89.23	2.74	0	0	0	0	No	0	0	<1% annual ch	6	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	2	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	19.03	9.00	28.03	180
033000031	3	Linwood-University Drive	Fort Worth	To mitigate the flooding depths in the Linwood Park area, a storm drain would outfall to the West Fork Trinity River.	Infrastructure	73,277,000	204	2.52	65.18	6.52	123	1.17	6882	7.08	0	0	0	0	3	1.18	0	0	0	0	0.10	0.10	No	0	0	< 1-yr	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	18.72	9.25	27.97	181
103000023	10	Sandy Creek/Pecan Park Areas Buyout	Jonestown	Acquisition of 11 residential properties located in the regulatory 1% ACE floodplain and floodway on Sandy Creek, Pecan Park area	Property acquis	1,050,000	11	1.30	91.67	9.17	10	0.64	10	2.23	0	0	0	0	0	0	0	0	0	0	1.05	1.05	No	0	0	N/A	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.95	12.00	27.95	182
063000402	6	Design and Construction of Carpenters Bayou mainstem channel modifications and detention (2018 Bond project F-124)	Harris County Flood Control District	The proposed project includes the design and construction of approximately two miles of channel improvements along N100-00-00, channel improvements to a short segment of N109-00-00, and a detention basin to mitigate downstream impacts.	Comprehensiv	30,360,000	379	2.78	14.75	1.48	344	1.39	3664	6.61	8	3.33	0	0	14	2.17	0	0	0	0	0.46	0.46	No	0	3	Unknown	3	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.90	9.00	27.90	183
133000022	13	Risk Area 27 - Nottingham Acres	Corpus Christi	Flows flooding Loxley Dr come from the open field W of the neighborhood and have limited existing drainage infrastructure. Runoff attempts to flow E but ponds up due to existing terrain.	Infrastructure	49,134,992	13	1.37	19.40	1.94	13	0.69	39	3.24	0	0	0	0	0	0	59.66	2.52	15.00	1.50	0.03	0.03	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.59	17.25	27.84	184
073000017	7	4th and Elkhart	Lubbock	Install new 2'x4' Box Culvert Under Elkhart Ave and Box Culvert From Playa 71 to Existing Channel, and Excavate at New Outfall	Infrastructure	4,756,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.10	8.10	No	0	0	<10-YR	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	0	Project delivers benefits in 3 wider benefit categories	0	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	0	20.25	7.50	27.75	185
123000042	12	Ridge Run Street Area Drainage Improvements	San Antonio	Improve drainage east of Ridge Run Drive along Culebra Creek to contain 100 year flood event.	Channel	10,443,000	30	1.72	100.00	10.00	30	0.87	89	3.85	0	0	0	0	1	0.57	0	0	3.00	0.30	0.30	0.30	No	0	0	<10	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	17.91	9.75	27.66	186
013000018	1	Spanish Trace Drainage Project	Wichita Falls	The proposed improvements include re-grading of an abandoned irrigation canal to convey flow north towards Johnson Road, connecting to the existing storm sewer system.	Storm drain	1,043,000	8	1.16	100.00	10.00	8	0.59	24	2.88	0	0	0	0	0	0	0	0	0	0	1.20	1.20	No	0	0	<50% annual	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.63	10.00	27.63	187
043000008	4	Lawrence Road Detention Pond	Orange County Drainage District	Expansion of existing detention pond	Detention pond	29,215,062	124	2.31	3.72	0.37	41	0.94	570	5.23	0	0	2	2.77	0	0	0	0	0	0	0.30	0.30	No	0	0	Unknown	10	50%-75% of project community affected	7	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	12.37	15.25	27.62	188
083001301	8	Morgan Mill Alternative 1	Stephenville	Includes minor grading and (6) 12'x7' RCB	LWC upgrade	2,661,000	13	1.37	72.22	7.22	7	0.56	20	2.74	0	0	1	1.69	0	0	0	0	0	0	1.80	1.80	No	0	10	2-Year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high Vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	18.08	9.50	27.58	189
133000009	13	CR 1520 / Tehuacana Rd. Drainage Improvements (Frio County Project #8)	Frio County	Drainage Study PS&E. Existing 36" CMP culvert lacks capacity to convey a 1 yr storm peak discharge across CR 1520. Proposed solution of 12 - 42" x 30' RCPs and raising the roadway profile by approximately 1' in the structure vicinity.	LWC upgrade	875,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.30	4.30	No	0	10	<1	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.75	16.75	27.50	190
123000035	12	De Zavala/ Ripple Creek	Shavano Park	Flooded street on De Zavala Rd and backwater on Ripple Creek Rd	Storm drain	1,729,000	8	1.16	66.67	6.67	8	0.59	16	2.58	0	0	0	0	1	0.57	0	0	3.00	0.30	0	0	No	0	0	<25	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	11.72	15.75	27.47	191
143000120	14	City of Presidio	RGCOG, Presidio County; TXDOT; USIBWC - USACE	Retension & Detention Basin	Detention pond	4,620,933	9	1.21	90.00	9.00	6	0.53	16	2.58	0	0	0	0	1	0.57	0	0	0	0	0.01	0.01	No	0	0	<1% Annual C	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	<Null>	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	13.93	13.50	27.43	192
123000020	12	Lewis Creek Main	Bulverde	High water detection system. System includes warning signs, with flashers and automatic arm barricade.	Preparedness	165,184	22	1.59	64.71	6.47	0	0	36	3.18	0	0	0	0	0	0	0	0	1.67	0.17	0	0	No	0	4	Unknown	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	11.32	16.00	27.32	193
153000084	15	Port Isabel to Brownsville FIF - Project 11A Los Fresnos West Ocean Blvd	Los Fresnos	Channel and culvert crossing improvements along with a detention pond near TX-100 and Orive Blvd	Comprehensiv	30,206,400	60	2.01	52.17	5.22	0	0	149	4.23	0	0	0	0	0	0	0	0	0	0	1.34	1.34	No	0	2	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.81	12.50	27.31	194
133000010	13	FM#1.1: Regional detention pond in Davila Street Tributary	Pearsall	Regional detention pond in Davila Street Tributary.	Detention pond	3,900,000	31	1.73	14.55	1.46	30	0.87	100	3.94	0	0	0	0	0	0	0	0	5.00	0.50	1.70	1.70	No	0	0	<100	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.49	14.75	27.24	195

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
093000008	9	Jal Draw, Proj. A	Midland	The proposed channel has a 250-foot top width for the entire length of the reach. The existing upstream crossings at Loop 349 and County Road 60 are to remain. There are two proposed crossings. The Loop 349 Backage Road crossing is proposed to be sixteen*	Channel	11,481,000	1	0.37	100.00	10.00	1	0.19	2	1.07	0	0	1	1.69	6	1.62	0	0	10.00	1.00	0.10	0.10	No	0	0	50-year LOS	2	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.69	11.50	27.19	196
083001291	8	Cemetery Creek Improvements	Lampasas	Channel and crossing improvements along Cemetery Creek - tributary to Sulphur Creek.	Channel	13,305,000	35	1.78	5.56	0.56	303	1.37	4101	6.70	5	2.77	0	0	1	0.57	0.97	0.45	0	0	0.08	0.08	No	0	0	10-year	3	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.40	12.75	27.15	197
033000096	3	Estates Drive Bridge Replacement	Copper Canyon	Replace Estates Drive Bridge over Poindexter Creek	Infrastructure	1,410,000	4	0.88	33.33	3.33	2	0.31	5	1.72	5	2.77	0	0	3	1.18	7.54	1.43	0	0	0.10	0.10	No	0	0	2-yr	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.87	15.25	27.12	198
103000025	10	Onion Creek Structure Elevation	Travis County	Elevation of 15 residential properties in the 1% ACE floodplain at Arroyo Doble and Onion Creek Meadows neighborhoods	Property elevat	2,800,000	15	1.43	78.95	7.89	15	0.73	28	2.99	0	0	0	0	0	0	0	0	0	0	1.00	1.00	No	0	0	N/A	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	15.54	11.50	27.04	199
133000027	13	Risk Area 03 - Indian Trails	Robstown	First peak of flooding primarily due to ponding and local drainage within Indian Trails subdivision. Second peak of flooding primarily due to stream flooding reaching the risk area with flow block by portions of FM 1833 and FM 666.	Infrastructure	33,392,340	6	1.04	11.76	1.18	6	0.53	18	2.66	0	0	0	0	0	0	51.73	2.45	15.00	1.50	0.02	0.02	No	0	0	< 100-Year	8	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.67	18.25	26.92	200
033000067	3	Ansley Dr. Storm Sewer System Improvement	Westwort h Village	Replace 1400 LF concrete drainage channel with storm sewer, 6 storm sewer inlets to replace curb cuts drain into existing channel, upgrading existing junction box for storm sewer, & pavement above proposed storm sewer between Burton Hill Road & Oaks Lane	Infrastructure	4,225,000	2	0.60	100.00	10.00	0	0	589	5.25	1	1.06	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	1-yr	4	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	17.17	9.75	26.92	201
123000056	12	Damage Center 1: Project 1A, B, C	Floresville	Detention pond, channel improvements, and additional culverts are required to reduce the downstream flooding, aid in removing the majority of the existing structures from the FEMA floodplain and convey the 100-Yr flow.	Detention pon	4,309,000	10	1.26	26.32	2.63	6	0.53	58	3.53	1	1.06	1	1.69	1	0.57	0	0	10.00	1.00	0.30	0.30	No	0	0	Less than the	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	12.52	14.25	26.77	202
033000036	3	Sunnyvale Urban Flooding Reduction Improvements - Area 2	Sunnyvale	Proposed alternatives to reduce roadway overtopping's during the 100-year ultimate storm such as culvert, ditch and storm drain improvements.	Infrastructure	5,701,000	32	1.74	91.43	9.14	32	0.89	113	4.03	1	1.06	0	0	1	0.57	0	0	0	0	0.10	0.10	No	0	0	<100-yr	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	17.68	9.00	26.68	203
123000019	12	Lewis Creek Tributary 2 Alternative 1 & 2	Bulverde	Channel widening/lowering, culvert improvement, roadway improvement	Detention pon	2,939,380	18	1.50	47.37	4.74	0	0	45	3.34	0	0	0	0	0	0	0.22	0.12	9.73	0.97	0.19	0.19	No	0	0	Unknown	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	10.66	16.00	26.66	204
133000029	13	Risk Area 04 - Ranch Banquete	Robstown	Once runoff clears, flow backwaters into neighborhood due to stream confluence and a downstream bridge acting as a choke point.	Infrastructure	55,453,800	17	1.48	17.89	1.79	17	0.75	51	3.44	0	0	0	0	0	0	7.05	1.40	10.00	1.00	0.02	0.02	No	0	0	< 100-Year	6	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.41	17.25	26.66	205
153000081	15	Port Isabel to Brownsville FIF - Project 7 Cameron County Ditch 1 at Hwy 69E	Brownsville	Channel and roadway crossing improvements on Cameron County Ditch 1 between Laredo Rd and Pablo Kisel Blvd	Channel	9,227,220	191	2.49	41.70	4.17	0	0	883	5.56	0	0	0	0	0	0	0	0	0	0	1.66	1.66	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.37	10.25	26.62	206
103000006	10	FM 685 Crossing Improvements	Pflugerville	Integrated with E. Pflugerville Prkwy improvement, 100 FT wide channel bench 1,700 LF, four 50 FT span bridge, 810 LF raised roadway	Channel	7,660,000	5	0.97	38.46	3.85	0	0	37	3.20	0	0	1	1.69	1	0.57	0	0	0	0	0.10	0.10	No	0	0	50% ACE	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	10.53	16.00	26.53	207
103000026	10	Bluff Springs Elevation	Travis County	Elevation of 39 residential properties in the 1% ACE floodplain	Property elevat	6,980,000	39	1.83	41.49	4.15	39	0.93	109	4.00	0	0	0	0	0	0	0	0	0	0	1.03	1.03	No	0	0	N/A	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	13.48	13.00	26.48	208
113000026	11	City of San Marcos Purgatory Creek Channel Improvement	San Marcos	The objectives consist of channel improvements along Purgatory Creek to mitigate flooding and integrate projects from the City of San Marcos master plans.	Channel	22,391,000	27	1.67	36.99	3.70	27	0.85	56	3.51	0	0	1	1.69	1	0.57	0	0	2.20	0.22	0.11	0.11	No	0	0	50-year	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.37	14.00	26.37	209
063000315	6	Addicks Reservoir - Right-Of-Way Acquisition, Design and Construction of Channel Conveyance Improvements, Bypass Channel, and Desanition for South Mayde Creek	Harris County Flood Control District	Part of the South Mayde Creek Plan that could reduce the risk of flooding for more than 70 homes and reduce the rainfall event by more than 340 acres in a pre-Atlas 14 rainfall event.	Comprehensiv	27,818,000	264	2.63	26.01	2.60	238	1.31	1225	5.80	2	1.73	0	0	0	0	1.03	0.48	0	0	0.73	0.73	No	0	2	Unknown	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.37	10.00	26.37	210
023000002	2	Wagner Channel/Overbank Clearing	City of Texarkana	Channel/Overbank Clearing	Channel	978,000	44	1.88	14.43	1.44	26	0.84	305	4.77	0	0	0	0	2	0.94	0	0	0	0	0.58	0.58	No	0	0	10-yr	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	11.31	15.00	26.31	211

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000003	15	Risk Area 15 Trib 3 Detention at Main Street	Los Fresnos	Project includes constructing 10 acre detention pond (29 ac-ft volume) along East Channel north of Highway 277 and installing flap-gates at flume outfalls on Omar Drive and Jana Drive, to prevent more frequent stormwater from backing up into the neighbor	Infrastructure	753,000	61	2.01	53.51	5.35	0	0	183	4.39	0	0	0	0	0	0	0	0	0.10	0.01	1.62	1.62	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.80	10.50	26.30	212
153000073	15	Drain J01	Hidalgo County Drainage District 1	The Drain J01 FMP aims to replace the present 24" RCP with 48" RCP to divert. The 36" RCP will be removed/plugged	Infrastructure	603,663	27	1.67	67.50	6.75	0	0	81	3.78	0	0	0	0	0	0	0	0	0	0	1.30	1.30	No	0	0	10	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.45	10.75	26.20	213
113000066	11	City of Seguin Culvert Improvements at Guadalupe River Drive Project	Seguin	Proposed project to add two additional 10 ft. by 10 ft. reinforced concrete box culverts on either side of the existing two-10ft. by 10ft. box culverts at Guadalupe River Dr.	LWC upgrade	594,000	6	1.04	37.50	3.75	6	0.53	13	2.42	0	0	1	1.69	1	0.57	0	0	4.20	0.42	1.28	1.28	No	0	10	10-year	8	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.42	12.75	26.17	214
023000001	2	Ferguson Park Improvements	City of Texarkana	Improvements to existing culverts and channelization	Channel	11,983,000	57	1.98	14.73	1.47	35	0.91	330	4.82	0	0	0	0	2	0.94	0	0	0	0	0.10	0.10	No	0	0	2-yr	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	10.37	15.75	26.12	215
053000021	5	Tyrrell Park Detention	Jefferson County Drainage District 6	The project consists of installing eight new detention basins to increase capacity to existing storm sewer and provide storage during extreme rainfall events.	Detention pond	187,974,224	231	2.57	81.63	8.16	207	1.28	331	4.83	0	0	0	0	4	1.36	0.85	0.41	0	0	0	0	No	0	0	Unknown	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.61	7.50	26.11	216
153000029	15	NM-115	La Villa	Project includes replacing existing crossing at Wisconsin (7'x8' RCB), Alberta (8'x9' RCB), Utility (8'x7' RCB), Dove (7'x6' RCB), Violet (6'x5' RCB), Utility (6'x4' RCB), and Utility (6'x4') into 2-7'x8' RCB, 2-8'x9' RCB, 2-8'x7' RCB, 2-7'x6' RCB, 10'x8	Infrastructure	1,937,485	22	1.59	100.00	10.00	0	0	100	3.94	0	0	0	0	0	0	0	0	0.30	0.03	0.90	0.90	No	0	0	10	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.79	8.25	26.04	217
103000055	10	Dalton Lane Low Water Crossing Improvements	Austin	Project replaces culverts of 2 exist. low water crossings (LWC) with new bridges. The LWC flood in the 2-yr storm and the project will prevent the LWCs from overtopping in the 100-yr storm. Creek restoration downstream of the crossings to prevent erosion.	LWC upgrade	19,138,000	0	0	0	0	0	0	0	0	0	0	2	2.77	0	0	0	0	0	0	1.10	1.10	No	0	10	2	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	5.52	20.50	26.02	218
033000045	3	Project 6 – Wisteria Way Circle at Timberlake Circle	Richardson	Cottonwood Creek: Replace portion of storm sewer system with larger 30" RCP storm sewer & propose RCBC underground system connecting to stub out adjacent to Pinehurst Drive and Wisteria Way; & added 120 LF inlet capacity keeps floodwaters within road ROW	Storm drain	2,015,000	10	1.26	33.33	3.33	5	0.49	16	2.58	0	0	0	0	1	0.57	0	0	0	0	0.20	0.20	No	0	0	2-yr	6	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.73	17.25	25.98	219
123000063	12	Athens Street South Drainage Improvements	Castroville	The Athens Street South drainage improvements intend to reduce the 100-year storm event inundation boundary. Improvements include a storm drain and inlet collection system and full-depth roadway reconstruction with a curb and gutter street section.	Storm drain	19,021,000	49	1.92	59.76	5.98	46	0.96	133	4.15	0	0	0	0	2	0.94	0	0	0	0	0.31	0.31	No	0	0	Less than the	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	14.72	11.25	25.97	220
093000009	9	Jal Draw, Proj. B	Midland	The proposed channel has a 250-foot top width for the entire length of the reach. There is one proposed crossing at the future extension of Mockingbird Lane. This crossing is proposed to be fourteen 10' x 6' RCB.	Channel	11,047,000	34	1.77	100.00	10.00	24	0.83	40	3.26	0	0	0	0	4	1.36	0	0	10.00	1.00	0.30	0.30	No	0	0	5-year LOS	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	18.46	7.50	25.96	221
153000002	15	Risk Area 2 Treasure Hills	Los Fresnos	Project includes constructing a 4' deep trapezoidal concrete channel with 8' bottom width and 2:1 side slopes, from detention pond outfall to existing culverts.	Infrastructure	1,078,000	22	1.59	91.67	9.17	0	0	66	3.63	0	0	0	0	0	0	0	0	0	0.10	0.01	0.41	0.41	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.41	10.50	25.91	222
053000007	5	Sandy Creek Improvement Project	Jasper	The project includes two new detention basins located along Sandy Creek to mitigate flooding historically experienced by the City of Jasper.	Detention pond	224,924,336	16	1.45	5.73	0.57	5	0.49	160	4.29	0	0	0	0	0	0	0	0	0.05	0.02	0	0	No	0	0	Unknown	8	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.83	19.00	25.83	223
153000004	15	Risk Area 8 Tributary 2 channel widening near Alexander Drive	Los Fresnos	Project includes constructing a 3' deep trapezoidal channel with a 76' bottom width with 4:1 side slopes from Graves Elementary School to the confluence of existing channels and constructing a 4' deep trapezoidal channel with a 11' bottom width with 4:1	Infrastructure	73,000	4	0.88	100.00	10.00	0	0	12	2.36	0	0	0	0	0	0	0	0	0	0.03	0.00	1.10	1.10	No	0	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.99	9.75	25.74	224
153000001	15	Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	Los Fresnos	Project includes bypassing flow from Golfcrest Drive to the detention pond with 1-6'x9', RCB Modifying outfall structure from 2-5'x3' RCB to 1-5'x3' RCB, and Lowering existing baseball field by 3 ft to provide an additional 30 ac-ft of storag	Infrastructure	870,000	47	1.90	64.38	6.44	0	0	141	4.19	0	0	0	0	0	0	0	0	0.10	0.01	1.08	1.08	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.24	10.50	25.74	225
153000076	15	Port Isabel to Brownsville FIF - Project 6 Los Fresnos at East 10th St.	Los Fresnos	Four extreme event storm sewer and overflow routing improvements on E 8th, E 9th, and E 10th streets along with a detention pond.	Storm drain	3,418,230	92	2.19	44.02	4.40	0	0	240	4.59	0	0	0	0	0	0	0	0	0	0	1.42	1.42	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.72	11.00	25.72	226

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
103000007	10	E. Pflugerville Parkway Crossing Improvements	Pflugerville	Integrated with FM685 improvement, 100 FT wide channel bench 1,700 LF, four 50 FT span bridge, remove concrete drop structure	Channel	2,860,000	5	0.97	38.46	3.85	0	0	37	3.20	0	0	1	1.69	1	0.57	0	0	0	0	0.17	0.17	No	0	0	10% ACE	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	10.70	15.00	25.70	227
153000062	15	Downtown Pharr Alternative	Pharr	The proposed improvements include channel widening, benching, clearing, longitudinal grading and will require limited grading outside of the existing R.O.W.	Comprehensiv	22,210,000	323	2.71	40.53	4.05	0	0	1498	5.95	0	0	0	0	0	0	0	0	0	0	0.82	0.82	No	0	2	2	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.76	10.75	25.51	228
143000025	14	HAC3	El Paso County	Sediment/Retention Basin	Detention pon	4,619,000	10	1.26	100.00	10.00	6	0.53	23	2.85	0	0	0	0	0	0	43.19	2.35	0	0	0	0	No	0	0	<1% annual ch	2	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	2	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.99	8.50	25.49	229
133000005	13	Jourdanton Drainage and Regional Detention Improvements, from SH-16 to Marion Road	Jourdanton	Multiple detention ponds, proposed drainage channel, box culverts improvements near Main St and Terrel Ave, Jourdanton	Channel	2,182,000	1	0.37	11.11	1.11	1	0.19	3	1.35	0	0	2	2.77	0	0	0.14	0.07	30.00	3.00	0.70	0.70	No	0	0	<100	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	9.11	16.25	25.36	230
123000029	12	Damage Center 1 Project1 – Detention in East Branch Poth Creek	Poth	Storage in this area would reduce downstream flooding and remove existing structures from the FEMA floodplain	Detention pon	1,986,000	9	1.21	4.79	0.48	9	0.62	27	2.96	0	0	0	0	1	0.57	0	0	10.00	1.00	1.60	1.60	No	0	0	<25	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	10.34	15.00	25.34	231
033000069	3	Highland Ave. Drainage Improvements	Waxahachi e	Upsize Highland SD system from Sycamore St through W Marvin Ave to 10'x4' RCB & add 36" RCP at UPRR culvert. Acquire parcels along creek south of BNSF RR to detain 64,000 CY. Install drop inlet at Harding St. & W. Main St., & add 24" RCP along Highland	Infrastructure	9,365,000	20	1.55	15.75	1.57	20	0.79	33	3.11	0	0	0	0	0	0	0.00	0.00	0	0	2.12	2.12	No	0	0	<1-yr	2	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	12.32	13.00	25.32	232
033000091	3	Saturn Springs Estates Drainage Improvements	Garland	Creek improvements such as gabions and walls to protect utilities, structures, and high-velocity areas from erosion and storm drain improvements such as upsized lines, additional laterals, regraded alleyways, and new curb and gutter along several roads.	Infrastructure	10,696,000	6	1.04	18.75	1.88	6	0.53	18	2.66	1	1.06	0	0	1	0.57	0	0	0	0	0.10	0.10	No	0	0	2-yr	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	7.99	17.25	25.24	233
033000100	3	Arlington Upper Village VC(A)-5 Channel and Culvert Improvements	Arlington	Proposed improvements include upsizing RCBC, replacing existing concrete-lined trapezoidal channel with 20' wide, 7' deep rectangular channel, and transitions downstream of Bowman Springs Road crossing and upstream of Crossgate Court crossing.	Infrastructure	4,504,000	13	1.37	61.90	6.19	13	0.69	28	2.99	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	1-yr	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	11.24	14.00	25.24	234
063000321	6	Right-Of-Way, Design and Construction of Conveyance Improvements along Armand Bayou B500-04-00-E004 and Channel Conveyance Improvements along B115-00-00 (2018 Bond Project F-99)	Harris County Flood Control District	The proposed project includes the expansion and extension of existing detention basins to alleviate historical and potential future riverine flooding within the Armand Bayou Watershed.	Detention pon	9,450,000	230	2.57	3.61	0.36	163	1.23	1110	5.73	0	0	0	0	1	0.57	0.34	0.18	0	0	0.81	0.81	No	0	0	Unknown	2	>75% of project community affected (by population)	10	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.66	12.50	25.16	235
013000003	1	Brenda Hursh Enhancement Project (City of Wichita Falls)	Wichita Falls	Install a bypass system that will intercept flow from Brenda Hursh Creek and Brenda Hursh Channel at their respective Weeks Street Road crossings and convey the runoff to the west through a proposed pipe system	Infrastructure	4,151,000	64	2.03	56.14	5.61	64	1.03	192	4.42	0	0	0	0	1	0.57	0	0	8.50	0.85	1.10	1.10	No	0	0	50% annual	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.85	8.25	25.10	236
043000027	4	City of Kilgore Property Acquisition	Kilgore	Implementation of program to purchase properties and repetitive loss homes in floodplain areas to reserve them from development.	Property acqui	56,159,648	22	1.59	4.26	0.43	22	0.81	75	3.72	0	0	0	0	0	0	0	0	0	0	3.20	3.20	No	0	0	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	14.54	10.50	25.04	237
053000009	5	Rosedale Improvement System	Jefferson County Drainage District 6	The project proposes widening and deepening of existing channels upstream of the LNVA canal, a diversion channel to the Neches River, and detention basins, near the Rosedale Acres community.	Comprehensiv	308,620,416	194	2.50	11.43	1.14	145	1.21	421	5.00	4	2.51	0	0	3	1.18	20.69	1.97	0	0	0.01	0.01	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.54	9.50	25.04	238
053000008	5	Sour Lake Channel Improvements	Hardin County	The project proposes a new diversion channel through Sour Lake, providing a path for runoff from the West to the East.	Comprehensiv	63,303,924	59	2.00	5.33	0.53	38	0.92	515	5.15	1	1.06	0	0	2	0.94	6.39	1.35	0	0	0	0	No	0	2	Unknown	4	>75% of project community affected (by population)	10	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.95	13.00	24.95	239
093000016	9	Midland Draw, Project B	Midland	The proposed channel has a 250-foot top width for the entire length of the reach. There is one proposed crossing. The Midland Drive crossing is proposed to be twelve (12) 10' x 6' RCBC's.	Channel	9,045,000	12	1.33	100.00	10.00	12	0.68	36	3.18	0	0	0	0	5	1.50	0	0	10.00	1.00	0.10	0.10	No	0	0	5-year LOS	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	17.44	7.50	24.94	240
153000043	15	2018 Bond Project 34 - South Lateral	Hidalgo County Drainage District 1	This project proposes three detention pond on the both side of East Las Milpas Rd. The proposed project also includes channel widening. The project cost is approximately $4,538,85 2which resulted in a benefit cost ratio of 0.5.	Infrastructure	4,538,852	79	2.12	45.40	4.54	0	0	216	4.51	0	0	0	0	0	0	0	0	0	0	0.50	0.50	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.42	12.50	24.92	241
083000801	8	Cow Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations	Channel	119,191,000	34	1.77	23.61	2.36	17	0.75	42	3.29	0	0	0	0	1	0.57	2138.40	4.41	0	0	0.00	0.00	No	0	0	5-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.17	11.75	24.92	242

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
053000005	5	Orange County Coastal Storm Risk Management Project	Orange County Drainage District	Construct levees, floodwalls, pump stations, drainage structures, and other flood mitigation infrastructure to reduce adverse flood impact in Orange County.	Comprehensive	119,900,000	201	2.51	5.19	0.52	136	1.19	357	4.88	0	0	0	0	2	0.94	2.12	0.79	0	0	1.20	1.20	No	0	2	Unknown	2	>75% of project community affected (by population)	10	<Null>	0	SVI between 0.01-0.25 (low to moderate vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.84	11.00	24.84	243
043000009	4	Upper Cow Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pond	172,241,392	126	2.32	3.78	0.38	73	1.06	165	4.31	0	0	0	0	1	0.57	30.00	2.16	0	0	0.30	0.30	No	0	0	Unknown	10	50%-75% of project community affected	7	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	11.55	13.25	24.80	244
033000073	3	Bonneville/Greenbrook Drainage Improvement	Arlington	Proposed improvements include realignment of storm drain, upsizing of existing trunk lines, and addition of curb inlets through Greenbrook Dr and Huntwick. Includes construction of Downstream Channel Improvement Option 1 to offset negative impacts	Infrastructure	4,939,000	12	1.33	85.71	8.57	12	0.68	37	3.20	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	5-yr	4	25%-50% of project community affected	4	Life/injury risk percentage >40%	8	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.03	10.75	24.78	245
153000080	15	Port Isabel to Brownsville FIF - Project 5 Cameron County Ditch 1 at Golf Center	Brownsville	Channel and roadway crossing improvements on Cameron County Ditch 1 between Pablo Kisel Blvd and Dana Ave. Also incldes improvements to a man-made lake spillway andconversion of the city-owned golf course into a multi-use detention pond.	Detention pond	78,811,560	399	2.80	57.25	5.72	0	0	1038	5.68	0	0	0	0	0	0	0	0	0	0	0.13	0.13	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.52	10.25	24.77	246
113000068	11	City of Victoria Detention Structure Located Upstream of State Highway 87 Project	Victoria	The proposed detention structure is located upstream of State Highway 87. The detention basin has a proposed height of 11ft from crest to inlet structure, a capacity of 3700 ac-ft, and three culvert outlet structures.	Comprehensive	58,395,000	38	1.81	67.86	6.79	29	0.87	52	3.45	0	0	0	0	0	0	0	0	0	0	1.30	0.13	0.10	0.10	No	0	2	50-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	13.23	11.50	24.73	247
113000069	11	Guadalupe County Detention on York Creek Project	Guadalupe County	Project for detention on York Creek. The currently proposed dam height of 48 ft, and dam length of 4800 ft, will provide a maximum storage capacity of approximately 48,130 ac-ft.	Comprehensive	45,376,000	100	2.22	2.16	0.22	80	1.08	287	4.72	0	0	0	0	0	0	0	0	0	0	1.60	0.16	0.52	0.52	Yes	1	2	50-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	9.62	15.00	24.62	248
143000024	14	MON3	El Paso County	Sediment/Retention Basin	Detention pond	27,033,000	327	2.72	43.25	4.33	248	1.32	820	5.50	0	0	0	0	15	2.21	0	0	0	0	0.20	0.20	No	0	0	<1% annual ch	6	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (benefits in only 1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.58	8.00	24.58	249
123000001	12	PROJECT 1A - ADLER ROAD AT CURREY CREEK AND UNNAMED TRIBUTARY A	Boerne	Improve low water crossings along Adler Road, channel regrading, curbs, sidewalks, street reconstruction	LWC upgrade	1,611,120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.47	0.15	2.50	2.50	No	0	10	10-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	6.32	18.25	24.57	250
153000085	15	Port Isabel to Brownsville FIF - Project 11B Los Fresnos West Ocean Blvd	Los Fresnos	Channel and culvert crossing improvements along with a detention pond near TX-100 and Evergreen St	Comprehensive	43,382,552	17	1.48	43.59	4.36	0	0	122	4.08	0	0	0	0	0	0	0	0	0	0	0.86	0.86	No	0	2	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.07	12.50	24.57	251
033000044	3	Project 2 – Campbell Road System	Richardson	Cottonwood Creek; Replaces the existing storm sewer main with a larger 30" storm sewer; includes the addition of a 36" and 42" parallel storm sewer; and additional 50 LF inlet capacity near Campbell Road to keep floodwaters within the road ROW	Storm drain	1,349,000	6	1.04	60.00	6.00	1	0.19	60	3.56	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	10-yr	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.79	13.75	24.54	252
023000003	2	Stream WC-2 Independence Circle & Lexington Place Bridge Improvements	City of Texarkana	Replace culverts at Independence Circle and Lexington Place	Infrastructure	540,000	6	1.04	26.09	2.61	6	0.53	19	2.70	0	0	0	0	0	0	0	0	0	0	1.15	1.15	No	0	0	5-yr	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.76	14.75	24.51	253
123000062	12	Wilson 10 - Acquisitions of Flooded Structures	Wilson County	This project proposes to acquire the three frequently flooded properties and remove the structures from the existing conditions floodplain extents through demolition or relocation.	Property acquis	591,000	3	0.76	100.00	10.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.40	1.40	No	0	0	Less than the	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	14.26	10.25	24.51	254
083001312	8	Straws Mill Road LWC	Gatesville	Includes raising the road and adding culverts at crossing.	LWC upgrade	1,021,710	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0	0	1.81	1.81	No	0	10	2-Year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	6.21	18.25	24.46	255
033000033	3	Sunnyvale Urban Flooding Reduction Improvements - Area 1	Sunnyvale	Proposed alternatives to reduce roadway overtopping's during the 100-year ultimate storm such as culvert and ditch improvements.	Infrastructure	4,560,000	14	1.40	100.00	10.00	12	0.68	56	3.51	1	1.06	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	<100-yr	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.89	7.50	24.39	256
153000067	15	Palmview Lateral BP 7	Hidalgo County Drainage District 1	This project is approximately 1.3 miles of channel improvements implemented by widening the Palmview Lateral within the existing ROW, from Minnesota Road to Abram Road. One regional detention facilty on Minnsota Road is proposed to relieve the area from	Comprehensive	5,460,000	134	2.34	17.87	1.79	0	0	402	4.97	0	0	0	0	0	0	0	0	0	0	0.70	0.70	No	0	2	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.85	13.50	24.35	257
153000028	15	NM-116	La Villa	Project includes replacing existing crossing at Wisconsin (2-36-in RCP) into 6'x5' RCB	Infrastructure	567,270	4	0.88	100.00	10.00	0	0	50	3.42	0	0	0	0	0	0	0	0	0	0	0.30	0.03	0.30	0.30	No	0	0	10	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	15.06	9.25	24.31	258
103000027	10	Onion Creek Meadows Elevation	Travis County	Elevation of 6 residential properties in the 1% ACE floodplain	Property elevat	894,000	6	1.04	100.00	10.00	6	0.53	13	2.42	0	0	0	0	0	0	0	0	0	0	1.51	1.51	No	0	0	N/A	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	17.77	6.50	24.27	259

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
133000007	13	City of Benavides Las Animas Conveyance Infrastructure	Benavides	4,000 linear feet, Clear out creek channel and upsize culverts to six 5-ft by 3-ft boxes.	LWC upgrade	5,214,000	0	0	0	0	0	0	0	0	0	0	2	2.77	0	0	0	0	5.00	0.50	0.20	0.20	No	0	10	<100	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	3.52	20.75	24.27	260
123000065	12	Naples Street North Drainage Improvements	Castroville	The North Naples Street drainage improvements intend to reduce the 100-year storm event inundation boundary. Improvements include a storm drain and inlet collection system and full-depth roadway reconstruction with a curb and gutter street section.	Storm drain	22,704,000	58	1.99	50.88	5.09	45	0.96	130	4.13	0	0	0	0	2	0.94	0	0	0	0	0.36	0.36	No	0	0	Less than the	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	14.01	10.25	24.26	261
033000087	3	Johnson Creek - Arkansas Lane and Pioneer Parkway Buyout at Johnson Creek	Arlington	Property acquisition of approximately twenty four (24) structures along Arkansas Lane and Pioneer Parkway. No channel improvements planned.	Property acqui	7,675,000	24	1.62	100.00	10.00	24	0.83	157	4.27	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	<100-yr	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.97	7.25	24.22	262
053000018	5	South Park Diversion	Jefferson County Drainage District 6	The project includes storm sewer improvements that divert flow away from DD6 channels 104 and 104-B to be redirected to the Neches River.	Channel	99,908,752	373	2.77	27.29	2.73	321	1.38	1225	5.80	0	0	0	0	4	1.36	0	0	0	0	0.05	0.05	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.16	10.00	24.16	263
153000032	15	NM-106	La Villa	Project includes extending west with a 10-foot bottom width, 3:1 (H:V) sode slopes, and 8-foot depth as well as replacing existing crossing at McColl (36-in RCP) and Access (36-in RCP) into 2-36-in RCP each.	Infrastructure	693,610	8	1.16	100.00	10.00	0	0	10	2.23	0	0	0	0	0	0	0	0	0	0	0.40	0.40	No	0	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.41	9.75	24.16	264
153000030	15	NM-113	La Villa	Replace 5' x 4' RCB along Jackson Road with 2 - 5' X 4' RCB and replace the current 5' X 4' RCB along the Railroad with a new 5' X 4' RCB. On Sugar Road increase the size of the culvert 18" RCB to a 42" RCB.	Infrastructure	643,285	4	0.88	100.00	10.00	0	0	10	2.23	0	0	0	0	0	0	0	0	0	0	0.70	0.70	No	0	0	10	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.87	9.25	24.12	265
143000011	14	SSA4	El Paso County	Detention Basin SSA4	Detention pond	14,744,000	99	2.22	53.51	5.35	74	1.07	299	4.75	0	0	0	0	0	0	3.99	1.10	0	0	0.10	0.10	No	0	0	<1% annual ch	4	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	14.74	9.25	23.99	266
123000012	12	PROJECT 13 - HERFF AND ESSER ROAD IMPROVEMENTS AT CURREY AND CIBOLO CREEK	Boerne	Bridge at Currey Creek and Esser Road, Bridge at Cibolo Creek and River Road, Channel grading, Roadway reconstruction	Storm drain	14,500,100	0	0	0	0	0	0	0	0	0	0	3	3.49	1	0.57	0.23	0.12	0.49	0.05	1.70	1.70	No	0	0	10-year	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 4 or more wider benefit categories	10	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	8.46	15.50	23.96	267
153000078	15	Port Isabel to Brownsville FIF - Project 12 Town Resaca at Washington Park	Brownsville	Storm sewer improvements on E Madison St, E 7th St, and E Jackson St	Storm drain	7,488,090	48	1.91	23.65	2.36	0	0	627	5.30	0	0	0	0	0	0	0	0	0	0	1.05	1.05	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.20	11.75	23.95	268
063000339	6	Willow Creek Watershed Plan - M120 Detention/Preservation Site	Harris County Flood Control District	The project includes a 1,640 acre-feet regional detention basin, 85 acres of floodplain preservation, & habitat preservation in Willow Creek.	Detention pond	64,900,000	127	2.32	13.86	1.39	99	1.13	548	5.20	0	0	0	0	2	0.94	0	0	0	0	0.68	0.68	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 1 or more wider benefit categories	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.67	11.25	23.92	269
123000064	12	Lorenzo Street North Drainage Improvements	Castroville	The North Lorenzo Street drainage improvements intend to reduce the 100-year storm event inundation boundary. Improvements include a storm drain and inlet collection system and full-depth roadway reconstruction with a curb and gutter street section.	Storm drain	11,647,000	38	1.81	57.58	5.76	23	0.82	67	3.64	0	0	0	0	1	0.57	0	0	0	0	0.42	0.42	No	0	0	Less than the	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	13.65	10.25	23.90	270
093000007	9	Playa M14F	Midland	The project consists of elevating the outlet elevation from approximately 2843 to 2847 by constructing a berm embankment approximately 600 feet in length. The project also includes one (1) 6' x 4' RCBC outlet pipe. The outlet will extend approximately 2.	Detention pond	1,540,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8.00	0.80	4.80	4.80	No	0	0	50-year LOS	2	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.40	11.50	23.90	271
113000001	11	Blanco County Detention on the Blanco River	Blanco County	The proposed dam height of 102 ft; and dam length of 1,840 ft. will provide a maximum storage capacity of approximately 1128 ac-ft.	Dam	18,010,000	131	2.33	25.79	2.58	107	1.14	375	4.92	0	0	0	0	0	0	0	0	1.40	0.14	0.74	0.74	Yes	1	0	50-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	12.89	11.00	23.89	272
123000078	12	Nichols Creek Tributary 4 Drainage Improvements	Karnes County	Channel improvements upstream (east) of Escondido Street; lower existing pond bottom at Kenedy Retreat Apartments to increase capacity	LWC upgrade	1,441,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	5.00	0.50	1.80	1.80	No	0	10	2-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.01	16.75	23.76	273
113000084	11	Caldwell County CR 227 @ Brushy Creek	Caldwell County	Upgrade existing low water crossing to include box culverts and channel improvements	LWC upgrade	3,504,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	0.50	2.30	2.30	No	0	10	NULL	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.00	17.75	23.75	274
133000028	13	Risk Area 01 - Ranch and Cyndie Park	Robstown	Localized flooding begins in neighborhood and worsens as Quinta Creek flows through the low-lying area the neighborhood sits in.	Infrastructure	421,681,184	1	0.37	0.96	0.10	1	0.19	3	1.35	0	0	0	0	1	0.57	38.85	2.30	10.00	1.00	0.00	0.00	No	0	0	< 100-Year	8	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.38	18.25	23.63	275

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000027	15	NM-110	La Villa	Project includes an extension of 8'x4' RCB upstream to increase conveyance across McColl Road. Also, replacing existing crossings at Utility (30-in RCP), Mon Mack (36-in RCP), and Saker (36-in RCP) into 7'x4x RCB, 7'x4' RCB and 2-36-in RCP, respectively.	Infrastructure	906,348	7	1.11	100.00	10.00	0	0	100	3.94	0	0	0	0	0	0	0	0	0.30	0.03	0.70	0.70	No	0	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.81	6.75	23.56	276
033000032	3	Zoo Creek Storm Drain Flood Mitigation (Sandage)	Fort Worth	Construction of Conveyance - Sandage Relief Line Phases 1 & 2 from the 2018 Zoo Creek Storm Drain Flood Mitigation Study Report. Project includes upsizing storm drain lines and installation of a riprap basin.	Infrastructure	35,353,000	49	1.92	8.54	0.85	43	0.95	121	4.08	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	5-yr	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	8.30	15.25	23.55	277
153000012	15	Precinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.	Starr County	Channel Improvements with approximately 0.6 miles of proposed improvements. Grate Inlets and Proposed Storm Drain with grate inlets in sag spaced along every 500' tying into a 42" RCP along Cesar Chavez Road starting at just south of Texas Rd to t	Infrastructure	4,721,500	91	2.18	7.75	0.78	0	0	273	4.68	0	0	0	0	0	0	0	0	0	0.03	0	2.45	2.45	No	0	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.77	9.75	23.52	278
153000069	15	Alt_MilitaryHighway	McAllen	Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trooper Road out falling directly into the retention pond, 3 headwalls and approxi	Infrastructure	5,096,223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.40	4.40	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.00	12.50	23.50	279
133000023	13	Risk Area 28 - South Prairie Estates	Corpus Christi	S Prairie Rd and Rabbit run are inundated by runoff from surrounding areas.	Infrastructure	34,515,512	4	0.88	12.50	1.25	4	0.45	12	2.36	0	0	0	0	0	0	23.01	2.02	15.00	1.50	0.01	0.01	No	0	0	< 100-Year	6	50%-75% of project community affected	7	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.73	15.75	23.48	280
153000025	15	Southwest Pharr Drainage Mitigation Project	Valley MUD 2	Construct four regional detention facilities (RDF). RDF 1 has a footprint of 19.75-acres and is a lateral detention facility located between Dicker and Thomas Road west of Highway 281 and near Carmen Anaya Elementary. RDF 2 has a footprint of 7.4-acres	Infrastructure	5,587,280	187	2.48	7.16	0.72	0	0	780	5.46	0	0	0	0	0	0	0	0	0	0	1.31	1.31	No	0	0	10	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.94	11.50	23.44	281
063000396	6	P518-11-8002 (P1 18-21 Phase II Detention) (2018 Bond Project C-41)	Harris County Flood Control District	This project provides for design and construction for the second phase of the Aldine Westfield North Detendion Basin in the Halls Bayou watershed.	Comprehensive	10,371,000	129	2.33	3.78	0.38	84	1.09	423	5.01	0	0	0	0	0	0	0	0	0	0	0.24	0.24	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.41	14.00	23.41	282
153000063	15	Northeast Pharr Mitigation Project	Pharr	Construct an inline Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 33-acres.	Infrastructure	14,357,850	302	2.68	31.59	3.16	0	0	906	5.57	0	0	0	0	0	0	0	0	0	0	0.53	0.53	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	12.74	10.50	23.24	283
063000327	6	Blalock Road Drainage Improvement Project	Piney Point Village	The proposed drainage improvements project will replace an undersized drainage system on Blalock Road, tie into drainage improvements on South Piney Point Road, and provide improvements on a drainage area that frequently experiences drainage issues.	Infrastructure	19,324,000	54	1.96	14.84	1.48	46	0.96	498	5.13	0	0	0	0	1	0.57	0	0	0	0	0.00	0.00	No	0	0	Unknown	6	>75% of project community affected (by population)	10	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.12	13.00	23.12	284
123000004	12	PROJECT 4 - SCHOOL STREET AT CIBOLO CREEK AND FREDERICK CREEK	Boerne	Elevated bridge, channel grading, street reconstruction, curb, sidewalks, and driveways	LWC upgrade	5,022,920	0	0	0	0	0	0	0	0	0	0	2	2.77	0	0	0	0	0	0	0.40	0.40	No	0	0	10-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	3.77	19.25	23.02	285
033000007	3	Spring Meadows Estates Detention Pond Design	Sachse	Pond redesign and reconstruction to lower normal pool elevation to be below inlets upstream. Increase storage capacity and design outlet works to increase level of service to 100-yr storm event.	Detention pond	1,868,000	9	1.21	100.00	10.00	9	0.62	18	2.66	0	0	0	0	0	0	0	0	0	0	0.40	0.40	No	0	0	<2 yr	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	15.49	7.50	22.99	286
153000083	15	Port Isabel to Brownsville FIF - Project 2 Cameron County Ditch 1 at Confluence	Brownsville	Five large detention ponds on Cameron County Ditch 1 (CCD1) between Paredes Ln and Ruben Torress Blvd along with improvements to a culvert crossing on the CCD1 tributary.	Detention pond	205,578,400	281	2.65	20.77	2.08	0	0	1036	5.67	0	0	0	0	0	0	0	0	0	0	0.03	0.03	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.48	12.50	22.98	287
033000041	3	Project 9 - Grandview Drive System	Richardson	Prairie Creek; Replaces the existing storm sewer with larger storm sewer along Grandview Drive; new wingwalls; and additional 100 LF inlet capacity to keep floodwaters within the road ROW	Storm drain	766,000	5	0.97	50.00	5.00	4	0.45	12	2.36	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	5-yr	4	50%-75% of project community affected	7	Life/injury risk percentage >40%	8	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.03	13.75	22.78	288
113000067	11	City of Victoria Channel and Bridge Modifications on State Highway 87 Project	Victoria	Proposed channel and bridge modification project. The design modification consists of adding two additional piers to the right and left overbanks of the bridge.	Comprehensive	8,350,000	2	0.60	100.00	10.00	2	0.31	4	1.56	0	0	0	0	0	0	0	0	2.80	0.28	0.25	0.25	No	0	0	100-year	6	25%-50% of project community affected	4	Life/injury risk percentage >30%	6	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	13.23	9.50	22.73	289
153000077	15	Port Isabel to Brownsville FIF - Project 4 Town Resaca at West 5th Street	Brownsville	Storm sewer improvements near Palm Blvd, W 5th Street, Ebony St, and Ramireno Ln. along with a detention pond.	Storm drain	27,101,370	71	2.08	12.37	1.24	0	0	220	4.52	0	0	0	0	0	0	0	0	0	0	0.93	0.93	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.16	12.50	22.66	290
063000471	6	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C-41)	Harris County Flood Control District	This project provides for design and construction of four detention basins providing approximately 602 ac-ft of storage in the Halls Bayou watershed. Inlcudes a half mile of channel improvements to P118-00-00.	Comprehensive	38,230,000	76	2.11	8.58	0.86	28	0.86	319	4.80	0	0	0	0	1	0.57	0	0	0	0	0.18	0.18	No	0	0	Unknown	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.64	13.00	22.64	291

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
153000017	15	Weslaco Stormwater Improvement Plan - Mile 10 N and Mile 5 ½ W	Combes	Construction of an 8 acre detention pond, with approximately 4,000 LF of channel widening along the back of the neighborhoods and between the Justice Raul A. Gonzalez Elementary School and Joe Calvillo Jr Career & Technology Education Complex; replacemen	Infrastructure	3,975,700	60	2.01	37.27	3.73	0	0	180	4.37	0	0	0	0	0	0	0	0	0.10	0.01	0.40	0.40	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.11	11.50	22.61	292
103000008	10	Highland Park Subdivision Culvert Improvements	Travis County	Add two 8x4 RCBs; grading US overbank; 1.5 FT tall 150 FT long berm to prevent water flowing onto Crasor of the Moon Blvd	LWC upgrade	533,000	3	0.76	100.00	10.00	3	0.39	0	0	0	0	1	1.69	0	0	0	0	0	0	0.30	0.30	No	0	10	>2% ACE	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	13.59	9.00	22.59	293
093000005	9	Avenue P Detention	Tom Green County	Construct additional 8 x 8 box culverts downstream of Bryant Blvd continuing along Avenue P downstream to Chadbourne St	Other	2,388,000	1	0.37	3.45	0.34	1	0.19	16	2.58	0	0	0	0	0	0	16.12	1.83	25.00	2.50	0.10	0.10	No	0	0	Unknown	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.81	15.75	22.56	294
153000021	15	Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street	Combes	Installation of 3,220 LF of new storm drain system consisting of two – 8' x 4' RCBs along Mile 3 ½.	Infrastructure	4,775,000	101	2.22	45.50	4.55	0	0	303	4.76	0	0	0	0	0	0	0	0	0.03	0.00	0.50	0.50	No	0	0	10	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.79	9.75	22.54	295
113000071	11	Victoria County Parsons Road LWC	Victoria County	Improvements consist of 10 (12ft x 12ft) box culverts and raising the deck elevation to be able to pass the 10% ACE (10-yr) event without overtopping.	LWC upgrade	905,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.60	0.06	2.80	2.80	No	0	10	<2-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.03	15.50	22.53	296
063000453	6	Rivershire West - Grand Lake Creek Watershed	Conroe	This project is located in a residential neighborhood and consists of benching, floodwalls, and upsizing culverts to route and contain flow. Additionally, there are proposed bridge modifications to reduce impediments to water flow	Channel	30,000,000	100	2.22	14.49	1.45	92	1.11	566	5.22	1	1.06	0	0	2	0.94	0	0	0	0	0.11	0.11	No	0	0	Unknown	2	50%-75% of project community affected	7	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.28	10.25	22.53	297
113000076	11	Caldwell County Salt Branch Drainage Improvements in Luling	Caldwell County	Expand existing US 183 bridge and upgrade existing LWCs at Walnut and Laurel with box culverts and channel improvements	Comprehensive	5,798,000	0	0	0	0	0	0	0	0	0	0	2	2.77	0	0	0	0	5.00	0.50	0.70	0.70	No	0	2	NULL	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.77	17.75	22.52	298
113000077	11	Caldwell County CR 233 and FM 2001 @ Plum Creek	Caldwell County	Upgrade existing low water crossing on Polonia Road to include new bridge; channel improvements at FM 2001 and Polonia Road	Comprehensive	7,934,000	1	0.37	20.00	2.00	1	0.19	1	0.65	0	0	0	0	0	0	0	0	5.00	0.50	0.50	0.50	No	0	2	NULL	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.71	17.75	22.46	299
133000020	13	Risk Area 07 - La Paloma Ranch	Bishop	Ponding at intersect of La Paloma and CR 18 and buried culvert at intersect of La Paloma and CR 93. At a culvert crossing with creek B-17 & CR 93, flow overtops the road cutting off main route that connects La Paloma with FM 665.	Infrastructure	23,031,510	2	0.60	15.38	1.54	2	0.31	6	1.85	0	0	0	0	0	0	74.79	2.64	15.00	1.50	0.00	0.00	No	0	0	< 100-Year	6	25%-50% of project community affected	4	Life/injury risk percentage >40%	8	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.70	14.75	22.45	300
033000016	3	Arlington VC(A)-1 Drainage and Erosion Improvements	Arlington	Arlington VC(A)-1 Drainage and Erosion Improvements; unfunded RIF #13646 This project includes improving the drainage in a residential area with an undersized bridge and severe erosion issues.	Infrastructure	2,601,000	9	1.21	7.63	0.76	8	0.59	24	2.88	0	0	0	0	0	0	0	0	15.00	1.50	0.10	0.10	No	0	0	<2-yr	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	6.44	16.00	22.44	301
113000090	11	City of San Marcos McKie Street at Willow Springs Creek Improvements	San Marcos	LWC Upgrade (4-8'x6' RCBs, raise road 3') and Channel Improvements (500LF)	LWC upgrade	1,044,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.50	0.35	2.40	2.40	No	0	10	<2 year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.18	16.25	22.43	302
043000011	4	Cole Creek Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention pond	41,147,928	14	1.40	0.68	0.07	14	0.71	438	5.03	0	0	0	0	0	0	137.40	2.96	0	0	0.20	0.20	No	0	0	Unknown	10	25%-50% of project community affected	4	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	2	Project provides no change to major, minor, or emergency access routes in the project area.	0	10.67	11.75	22.42	303
153000079	15	Port Isabel to Brownsville FIF - Project 9 North Main Drain and Hwy 69E	Brownsville	Detention pond and storm sewer improvements on North Main Drain, west of Price Road and 69E.	Detention pond	27,553,770	84	2.15	11.95	1.19	0	0	753	5.44	0	0	0	0	0	0	0	0	0	0	0.45	0.45	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.90	12.50	22.40	304
153000007	15	Precinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.	Starr County	Approximately 1 mile of proposed channel improvements. Proposed culverts. Proposed Detention Ponds with pond north of Mile 8.5 Rd. to collect runoff from the west and has an approximate footprint of 12 acres and storage capacity of 60 acre-ft and will o	Infrastructure	9,272,000	86	2.16	8.33	0.83	0	0	258	4.64	0	0	0	0	0	0	0	0	0.10	0.01	1.70	1.70	Yes	1	0	5	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.89	10.50	22.39	305
083000829	8	Turkey Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations	Channel	86,161,000	22	1.59	56.41	5.64	10	0.64	29	3.02	0	0	0	0	1	0.57	3393.38	4.66	0	0	0.00	0.00	No	0	0	5-year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	16.12	6.25	22.37	306
033000040	3	Project 8 - Lower Canyon Creek Drive System	Richardson	Prairie Creek; Replaces the existing storm sewer with larger 24", 36" and 42" storm sewer along Lower Canyon Creek Drive; new 42" storm sewer; and additional 70 LF inlet capacity to keep floodwaters within the road ROW	Storm drain	1,502,000	9	1.21	64.29	6.43	9	0.62	30	3.04	0	0	0	0	1	0.57	0	0	0	0	0.10	0.10	No	0	0	25-yr	2	25%-50% of project community affected	4	Life/injury risk percentage >30%	6	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.12	10.25	22.37	307

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
083000821	8	Jones Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations	Comprehensive	556,012,032	47	1.90	5.67	0.57	45	0.96	138	4.18	4	2.51	0	0	0	0	0.80	0.39	0	0	0.01	0.01	No	0	2	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	10.52	11.75	22.27	308
113000078	11	Caldwell County Plum Creek Channel Improvements Near CR 227	Caldwell County	Channel Improvements to mitigate residential and commercial flooding near CR 227	Channel	5,587,000	4	0.88	50.00	5.00	2	0.31	2	1.07	0	0	0	0	0	0	0	0	5.00	0.50	0.10	0.10	No	0	0	NULL	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	7.76	14.50	22.26	309
093000106	9	East Angelo Draw Drainage Improvements	San Angelo	The proposed project includes channel improvements spanning 0.6 miles and culvert capacity increase along two major channel crossings.	Channel	6,926,000	25	1.64	21.19	2.12	25	0.83	94	3.89	0	0	0	0	0	0	0	0	0	0	0.70	0.70	No	0	0	Unknown	2	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.23	12.00	22.23	310
123000005	12	PROJECT SD - OLD SAN ANTONIO STREET AT MENGER CREEK	Boerne	Elevated bridge, channel grading, street reconstruction, curb, sidewalks, and driveways	Infrastructure	3,506,560	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0.68	0.07	0.50	0.50	No	0	0	10-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.97	19.25	22.22	311
033000038	3	Project 4 - Big Horn Lane/Canyon Creek Drive system	Richardson	Prairie Creek: Replace existing storm sewer main between Big Horn Lane & Canyon Creek Drive with larger 36" & 48" storm sewer; added 70 LF inlet capacity to reduce the flooding along Big Horn Lane, Canyon Creek Drive & Canyon Creek Country Club property	Storm drain	622,000	3	0.76	30.00	3.00	3	0.39	8	2.06	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	5-yr	4	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 4 or more wider benefit categories	10	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.71	15.50	22.21	312
033000081	3	Town Creek Warren Park Extension	Burleson	This alternative proposes voluntary acquisitions of structures at risk of flooding and extending the existing Warren Park. This extension would include a park with walking paths, exercise pads, and a dog park.	Property acqui	10,346,000	28	1.69	37.33	3.73	27	0.85	65	3.62	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	0	10-yr	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	10.64	11.50	22.14	313
123000067	12	CR 302 Drainage Improvements at Ecleto Creek	Karnes County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC upgrade	15,261,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0.23	0.12	5.00	0.50	0.70	0.70	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.38	17.75	22.13	314
053000017	5	Lucas/Delaware Diversion	Jefferson County Drainage District 6	The project includes storm sewer improvements that divert flow away from DD6 channels 100 and 122 to be redirected to instead flow to channel 010 near Charles Street before ultimately discharging into the Neches River.	Channel	130,286,232	595	2.97	11.37	1.14	550	1.49	2845	6.42	0	0	0	0	5	1.50	0.09	0.05	0	0	0.02	0.02	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.62	8.50	22.12	315
153000011	15	Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	Starr County	Channel Improvements with approximately 0.3 miles of proposed improvements. Proposed detention pond north of Tex-Mex Rd. and east of S 87th St. has an approximate footprint of 4.25 acres and capacity of 20 acre-ft. Grate Inlets and Proposed Storm Drain 5	Infrastructure	4,300,730	102	2.23	12.94	1.29	0	0	306	4.77	0	0	0	0	0	0	0	0	0.10	0.01	1.30	1.30	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.55	10.50	22.05	316
123000021	12	Rock Creek - Alt 1	San Antonio	Reducing the height of the drop structure at the Olmos Creek outfall, Bridge replacements will be required for both the railroad crossing and West Ave.	Infrastructure	17,640,700	0	0	0	0	0	0	42	3.29	0	0	2	2.77	3	1.18	0	0	0	0	0.10	0.10	No	0	0	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.49	14.50	21.99	317
123000043	12	Huebner Creek Channelization (LWC #28)	San Antonio	Improve Low water crossing at intersection of Huebner creek and Hollyhock road. Improve drainage upstream and downstream of crossing.	LWC upgrade	8,371,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	3.00	0.30	0.20	0.20	No	0	10	<10	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	1.22	20.75	21.97	318
113000087	11	City of New Braunfels Nacogdoches and Faust Drainage Improvements	New Braunfels	This project involves expanding and adding drainage infrastructure to Faust Avenue and Nacogdoches Avenue to improve runoff collection through a storm sewer to outfall to the Guadalupe River.	Storm drain	18,380,000	206	2.52	0	0	193	1.27	629	5.30	0	0	0	0	0	0	0	0	2.50	0.25	0.80	0.80	No	0	0	NULL	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	11.22	10.75	21.97	319
153000086	15	Port Isabel to Brownsville FIF - Project 1A North Main Drain and Imapala Ditch	Brownsville	Channel, culvert road crossing, and pump station improvements on North Main Drain and Impala Ditch between International Blvd and the Impala Pump Station	Channel	56,748,360	131	2.33	10.27	1.03	0	0	450	5.05	0	0	0	0	0	0	0	0	0	0	0.69	0.69	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.14	11.75	21.89	320
113000085	11	City of Kerrville First Street Low Water Crossing	Kerrville	8-12' x 8' box culverts, channel improvements, and road raise	LWC upgrade	9,467,000	11	1.30	16.67	1.67	11	0.66	33	3.11	0	0	1	1.69	0	0	0	0	0.90	0.09	0.10	0.10	No	0	10	2 year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	8.72	13.00	21.72	321
053000026	5	South Nome Relief Ditch	Jefferson County Drainage District 6	The project consists of constructing storm sewer improvements and a detention basin to prevent stormwater runoff from backing up into Nome.	Comprehensive	2,286,770	22	1.59	24.18	2.42	16	0.74	96	3.91	0	0	0	0	1	0.57	8.58	1.50	0	0	1.18	1.18	No	0	2	Unknown	2	25%-50% of project community affected	4	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.67	8.00	21.67	322
133000012	13	FM12.2: Detention ponds in the Pearsall High School Grounds	Pearsall	Detention ponds in the Pearsall High School Grounds.	Detention pond	1,200,000	8	1.16	3.76	0.38	7	0.56	31	3.07	0	0	0	0	0	0	0	0	10.00	1.00	0.50	0.50	No	0	0	<100	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.92	14.75	21.67	323

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
103000060	10	FM 812 at Little Alum Creek	Bastrop County	Replace existing culvert with bridge and channel benching at FM 812	LWC upgrade	8,389,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.85	1.20	39.00	3.90	0.50	0.50	No	0	10	>20%	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	4.40	17.25	21.65	324
143000097	14	NW16	El Paso Water	Expand channel from Village Ct to Doniphan Dr	Channel	1,570,000	3	0.76	100.00	10.00	0	0	12	2.36	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	<1% annual ch	6	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	13.12	8.50	21.62	325
123000006	12	PROJECT 6 - JOHNS ROAD NEAR CIBOLO CROSSING SUBDIVISION	Boerne	Storm drain, channel, increase capacity of existing detention	Storm drain	1,421,580	7	1.11	28.00	2.80	0	0	54	3.48	0	0	0	0	0	0	0	0	0.07	0.01	0.86	0.86	No	0	0	The project c	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	9.54	12.00	21.54	326
153000015	15	Precinct 4 MDP - Risk Area J at SH 07 & FM 907	Starr County	Channel Improvements (Widening & Regrading) to Existing HCDD1 "I" drain with approximately 0.75 miles of proposed channel improvements beginning at Fresno Dr. and ending at E Curry Rd. Proposed Drainage Grate Inlets approximately 3,800' of storm dr	Infrastructure	3,116,000	58	1.99	19.66	1.97	0	0	174	4.35	0	0	0	0	0	0	0	0	0.10	0.01	1.07	1.07	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.99	10.50	21.49	327
123000030	12	Damage Center 2-Project 1 Culvert Improvements at Menchaca	Poth	Significant overtopping at one 3' x 5' box culvert. Improving this culvert would provide emergency access to the areas of Poth west of Poth Creek	LWC upgrade	2,204,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	3.00	0.30	0.30	0.30	No	0	10	<10	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	3.16	18.25	21.41	328
083000818	8	Rewellen Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations	Channel	542,724,992	58	1.99	75.32	7.53	22	0.81	59	3.54	0	0	0	0	0	0	0	0	0	0	0.00	0.00	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	13.89	7.50	21.39	329
123000076	12	US 181 Drainage Improvements at Marcelinas Creek Trib	Karnes County	Upgrade US HWY 181 culvert crossing to include additional boxes and channel improvements to mitigate residential flooding south of the highway	Comprehensive	2,465,200	2	0.60	66.67	6.67	2	0.31	1	0.65	0	0	0	0	0	0	0.09	0.05	5.00	0.50	0.10	0.10	No	0	2	Unknown	10	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.78	12.50	21.28	330
093000105	9	Blackshear Drainage Improvements	San Angelo	The proposed project includes roadway widening improvements with taller curbs and valley gutters to divert flow into a proposed drainage channel.	Channel	6,336,216	26	1.66	15.95	1.60	26	0.84	69	3.66	0	0	0	0	0	0	0	0	0	0	0.60	0.60	No	0	0	Unknown	2	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.25	12.00	21.25	331
153000018	15	Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	Combes	Construction of two detention ponds, 11 acres near Clecker-Heald Elementary School and 8 acres behind the commercial properties north of Interstate 2, approximately 4,500 LF of channel widening connecting the two ponds, addition of a new 42-inch reinforc	Infrastructure	9,936,170	136	2.35	26.67	2.67	0	0	408	4.98	0	0	0	0	0	0	0	0	0.10	0.01	0.30	0.30	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.75	10.50	21.25	332
043000029	4	Orange County Property Acquisition	Orange County	Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.	Property acquis	10,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	1.00	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	2.50	18.75	21.25	333
043000030	4	Orange County Elevation of Residential Structures Program	Orange County	Elevations of homes within Floodplains throughout County.	Property elevat	10,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	1.00	No	0	0	Unknown	10	>75% of project community affected (by population)	10	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	2.50	18.75	21.25	333
153000039	15	NM-109	La Villa	Project includes replacing existing 36" RCP with 48" RCP and connecting a basin to the existing ditch system.	Comprehensive	1,247,580	2	0.60	100.00	10.00	0	0	10	2.23	0	0	0	0	0	0	0	0	0.30	0.03	0	0	No	0	2	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.85	8.25	21.10	335
123000073	12	CR 127 Drainage Improvements at Hondo Creek	Karnes County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC upgrade	8,992,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0.40	0.21	5.00	0.50	0.20	0.20	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.22	17.75	20.97	336
123000007	12	PROJECT 7 - SCHWEPPE AND HICKMAN STREET	Boerne	Storm drain, and channel improvments	Storm drain	1,990,210	7	1.11	18.42	1.84	0	0	93	3.88	0	0	0	0	0	0	0	0	0	0	0.82	0.82	No	0	0	The project c	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	8.88	12.00	20.88	337
053000013	5	Willow Marsh Main Improvement System	Jefferson County Drainage District 6	The project proposes an improvement system consisting of off-line detention basins and channelization along Willow Marsh from Highway 90 to South Major Dr.	Comprehensive	1,136,334,336	102	2.23	2.65	0.26	65	1.04	239	4.58	0	0	0	0	8	1.80	7.75	1.45	0	0	0	0	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.37	9.50	20.87	338
153000014	15	Precinct 4 MDP - Risk Area I at Sharp Rd. & E Monte Cristo Rd	Starr County	Inlets and proposed storm drain with Approximately 1,100' of 4'x4' RCB storm drain with curb inlets to be installed along Hendrix Dr. and Gaston Cr. with approximately 1,200' of 6'x4' RCB storm with grate and sag inlets along Urresti Rd. with	Infrastructure	5,174,170	79	2.12	20.26	2.03	0	0	237	4.58	0	0	0	0	0	0	0	0	0.10	0.01	0.63	0.63	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.30	10.50	20.80	339
143000100	14	NE38	El Paso Water	Alcan Pond: new catch basin to capture FP15 upstream	Detention pond	21,234,000	54	1.96	39.71	3.97	104	1.14	167	4.32	0	0	0	0	1	0.57	0	0	0	0	0.10	0.10	No	0	0	<1% annual ch	4	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (benefits in only 1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	12.21	8.50	20.71	340

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
103000056	10	Waller Creek - Guadalupe St Flood Risk Reduction Project	Austin	Install new storm drain, detention ponds, and LID	Storm drain	72,072,000	86	2.16	41.55	4.15	0	0	618	5.29	0	0	0	0	1	0.57	0	0	0	0	1.00	1.00	No	0	0	<50% ACE	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	14.67	6.00	20.67	341
063000475	6	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	Harris County Flood Control District	This projecct provides for design and construction of a 311 ac-ft dry-bottom detention basin and 20-ft of channel improvements to PI 18-21-00.	Comprehensiv	40,780,000	4	0.88	0.62	0.06	4	0.45	0	0	0	0	0	0	0	0	0.01	0.01	0	0	0.21	0.21	No	0	2	Unknown	6	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.92	18.50	20.42	342
123000036	12	Blanco Road at Cibolo Creek	Bexar County, Comal County	Improve Low water crossing at Blanco Rd and Cibolo Creek	LWC upgrade	21,717,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	3.00	0.30	0.10	0.10	No	0	10	<10	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.66	17.75	20.41	343
133000013	13	FM13.1: Channel lining and conveyance improvements along FM 1581	Pearsall	Channel lining and conveyance improvements along FM 1581.	Channel	2,300,000	2	0.60	0.94	0.09	1	0.19	13	2.42	0	0	0	0	0	0	0.05	0.02	30.00	3.00	0.30	0.30	No	0	0	<100	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.58	14.75	20.33	344
113000072	11	Comal County River Road LWC	Comal County	The proposed improvements include five (7 ft x 7 ft) box culverts to withstand a 10% ACE (10-yr) event while rerouting River Road to protect existing Cypress trees.	LWC upgrade	1,087,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.70	0.07	1.60	1.60	No	0	10	<2-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.04	16.25	20.29	345
123000079	12	CR 325 Drainage Improvements at Ojo De Agua Creek	Karnes County	Upgrade CR 325 crossing with roadway elevation, bridge structure upgrades, and channel improvements	LWC upgrade	2,007,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	5.00	0.50	0	0	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.51	17.75	20.26	346
113000040	11	City of Woodcreek Regional Detention South of Mountain Crest Drive	Woodcreek	The alternative consists of a 20 ft. tall detention structure with a 175 ac-ft detention capacity. The outflow control would consist of culverts for low flow and an overflow weir for high flow.	Detention pon	964,000	8	1.16	24.24	2.42	8	0.59	17	2.62	0	0	0	0	0	0	0	0	13.40	1.34	0.98	0.98	No	0	0	10-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	9.92	10.25	20.17	347
063000389	6	Design and Construction of E116 tributary modifications and detention (2018 Bond project Z-02)	Harris County Flood Control District	The proposed project includes channel improvements, upsizing of culverts, siltation removal, local drainage improvements, and a stormwater detention basin within White Oak Bayou Tributary E116-00-00.	Comprehensiv	8,375,000	24	1.62	0.16	0.02	15	0.73	0	0	1	1.06	0	0	0	0	0	0	0	0	1.47	1.47	No	0	2	Unknown	4	>75% of project community affected (by population)	10	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.10	13.00	20.10	348
153000044	15	13th Street Regional Detention Facility	Harlingen	This projcct proposes two detention facilities, one which is approximately 46 acres located on an open field north of Briggs Coleman Rd. The second pond is located directly south of the first pond and is approximately 13 acres.	Comprehensiv	19,812,000	30	1.72	17.05	1.70	0	0	90	3.86	0	0	0	0	0	0	0	0	0	0	0.10	0.10	Yes	1	2	2	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.53	12.50	20.03	349
063000144	6	City of Kemah - Improve Regulations and Permit Requirements	Kemah	Improve regulations and permit requirements to promote hazard mitigation strategies.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	7.50	20.00	350
153000045	15	3rd Street Regional Detention Facility	Harlingen	This project proposes a Regional Detention Facility of 38 acres located east of North Breedlove Rd and north of Montezuma Rd.	Comprehensiv	13,092,000	8	1.16	32.00	3.20	0	0	24	2.88	0	0	0	0	0	0	0	0	0	0	0	0	Yes	1	2	2	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.24	12.75	19.99	351
083001290	8	Benching along Gibson Branch	Lampasas	Benching along Gibson Branch and removal of E Avenue H to remove structures from flood risk and allow for mobility during severe storm events.	Channel	1,132,000	6	1.04	40.00	4.00	0	0	17	2.62	0	0	0	0	0	0	0.16	0.08	0	0	0.26	0.26	No	0	0	5-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.40	11.50	19.90	352
053000016	5	Green Pond Flow Diversion	Jefferson County Drainage District 6	The project proposes a diversion of storm runoff into the Green Pond detention facility via construction of a berm and spillway across Channel 505-B east of the Green Pond facility. Channel improvements are also included.	Comprehensiv	7,779,088	43	1.87	16.35	1.63	36	0.91	64	3.61	0	0	0	0	3	1.18	27.33	2.11	0	0	0.00	0.00	No	0	2	Unknown	6	<25% of project community affected	1	Life/injury risk percentage >30%	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.32	8.50	19.82	353
123000022	12	Judson and Lookout LWC Improvement	San Antonio	Upgrade the low water crossings and the connecting/downstream channel	LWC upgrade	6,301,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.50	0.05	0.90	0.90	No	0	10	Less than 100	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	2.27	17.50	19.77	354
113000082	11	Caldwell County Boggy Creek Channel Improvements Near SH 142	Caldwell County	Channel improvements to reduce residental/commercial flooding near SH142	Channel	6,113,000	2	0.60	100.00	10.00	0	0	4	1.56	0	0	0	0	0	0	0	0	5.00	0.50	0.10	0.10	No	0	0	NULL	2	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	12.66	7.00	19.66	355
113000047	11	Gonzales County Regional Detention on Peach Creek	Gonzales County	A 29 ft. high dam with a length of 5780 ft. would provide approximately 41,774 ac-ft of storage. This site would be able to store a large volume of water and greatly reduce the peak from the Peach Creek watershed.	Detention pon	39,227,000	12	1.33	0.30	0.03	12	0.68	34	3.14	0	0	0	0	0	0	0	0	1.90	0.19	0.15	0.15	Yes	1	0	50-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.65	14.00	19.65	356

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
113000073	11	Kendall County Cypress Creek Detention	Kendall County	Flood reduction analysis focused on identifying regional detention measures within the Cypress Creek watershed to reduce flood risk in and around the town of Comfort, TX.	Detention pond	14,350,000	3	0.76	1.12	0.11	3	0.39	5	1.72	0	0	0	0	0	0	0	0	0.60	0.06	1.05	1.05	Yes	1	0	~75-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.63	14.00	19.63	357
053000010	5	Nome Conveyance Improvements	Jefferson County Drainage District 6	The project proposes an improvement system consisting of channelization along Cotton Creek and an off-line detention basin to mitigate impacts.	Comprehensive	163,293,616	11	1.30	3.97	0.40	8	0.59	11	2.30	0	0	0	0	1	0.57	2.98	0.96	0	0	0	0	No	0	2	Unknown	6	50%-75% of project community affected	7	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.11	13.50	19.61	358
123000071	12	CR 331 Drainage Improvements at Escondido Creek	Karnes County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC upgrade	4,865,554	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	5.00	0.50	0.40	0.40	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.82	17.75	19.57	359
033000030	3	Linwood-Lancaster/Foch	Fort Worth	To decrease the flooding depths near the Norwood/Bledsoe/Crockett intersections, a storm drain alternative was developed. The storm drain system would run along Foch Street and then through Trinity Park to the river.	Infrastructure	26,528,000	10	1.26	22.73	2.27	0	0	3272	6.53	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	< 1-yr	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	10.31	9.25	19.56	360
153000010	15	Precinct 4 MDP - Risk Area D at S. McColl & Canton Rd.	Starr County	Channel Improvements (Widening & Regrading) to Existing McAllen Lateral & North Main Drain with approximately 2.25 miles of proposed improvements from S McColl St. to State Highway 107. Crossings at W Canton Rd., W Freddy Gonzalez Dr., and W Sprague St.	Infrastructure	3,097,000	122	2.30	5.48	0.55	0	0	366	4.90	0	0	0	0	0	0	0	0	0	0	0.03	0.00	1.40	1.40	No	0	0	5	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.25	8.25	19.50	361
073000023	7	Clovis & Quaker - Storm Drain Alternative 4	Lubbock	Detention, channel, and storm drain improvements from Ursuline Street and Quaker Avenue to US-84 and L-289	Infrastructure	8,964,000	30	1.72	17.24	1.72	0	0	162	4.30	1	1.06	0	0	1	0.57	0.77	0.37	29.00	2.90	1.70	1.70	No	0	0	<100-YR	2	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	0	Project delivers benefits in 2 wider benefit categories	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	0	15.44	4.00	19.44	362
123000055	12	Bexar Bowling Way at Cibolo Creek Bridge	Bexar County, Guadalupe County	This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, and adding a bridge.	LWC upgrade	13,252,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	3.00	0.30	0.01	0.01	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	2.44	17.00	19.44	363
053000025	5	East China Relief Project	Jefferson County Drainage District 6	The project consists of constructing new linear detention upstream of the LNVA Canal, a concrete block-lined channel downstream of the canal crossing, and an adequate structure at Turner Road.	Comprehensive	2,853,160	22	1.59	5.88	0.59	16	0.74	21	2.78	0	0	0	0	0	0	17.24	1.87	0	0	1.54	1.54	No	0	2	Unknown	3	25%-50% of project community affected	4	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.41	8.00	19.41	364
153000008	15	Precinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.	Starr County	Regional Detention Facilities with a pond footprint of 25 acres along the Existing HCDD1 West Main Drain. Storm Drain and Local Drainage Improvements. Channel maintenance.	Infrastructure	10,459,500	54	1.96	16.07	1.61	0	0	162	4.30	0	0	0	0	0	0	0	0	0	0	0.10	0.01	1.30	1.30	Yes	1	0	5	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.12	8.25	19.37	365
123000074	12	CR 145 Drainage Improvements at Hondo Creek	Karnes County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC upgrade	3,688,372	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	5.00	0.50	0.30	0.30	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.57	17.75	19.32	366
123000070	12	CR 336 Drainage Improvements at Ecleto Creek Tributary	Karnes County	Upgrade CR 336 low water crossing to include a new bridge structure with roadway and channel improvements	LWC upgrade	2,859,756	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0.08	0.04	5.00	0.50	0	0	No	0	10	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.55	16.75	19.30	367
153000087	15	Port Isabel to Brownsville FIF - Project 1B North Main Drain and Four Corners	Brownsville	Channel and culvert improvements along with one detention pond on North Main Drain between Rockwell Dr and Boca Chica Blvd	Detention pond	53,937,392	83	2.14	6.00	0.60	0	0	289	4.73	0	0	0	0	0	0	0	0	0	0	0.03	0.03	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.54	11.75	19.29	368
153000071	15	Alternate Rado Drain BP 11	Hidalgo County Drainage District 1	Approximately 2.1 miles of channel improvements includes the widening of the Alternate Rado Drain within the existing right of way, from Colbath Road to FM 495.	Infrastructure	4,747,963	1	0.37	0.88	0.09	0	0	4	1.56	0	0	0	0	0	0	0	0	0	0	0.60	0.60	No	0	0	10	8	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.51	15.75	19.26	369
033000078	3	Main B pump station, detention, and conveyance improvements	Liberty County Water Control Improvement District #5	The proposed improvements include the rehabilitation and upsizing of Pump Station B, upsize the culverts at North Travis Street, Main Street and Woods Drive, and construction of a detention basin upstream of Main Street.	Infrastructure	14,433,000	3	0.76	0.93	0.09	3	0.39	12	2.36	0	0	0	0	0	0	0.14	0.07	0	0	1.83	1.83	No	0	0	<2-yr	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.25	11.00	19.25	370
103000064	10	CR 172 Low Water Crossing Improvements @ Lytton Creek	Caldwell County	Upgrade existing low water crossing to include box culverts and channel improvements	LWC upgrade	4,574,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	0.50	0.50	0.50	No	0	10	Unknown	10	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	1.50	17.75	19.25	371
143000113	14	NW26	El Paso Water	Acquire land, construct a permanent wetland, install a storm drain system to Doniphan Drive, construct pipeline to Doniphan Pump Station and build new pump station to control flood levels.	Detention pond	35,568,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00	10.00	0	0	No	0	0	<1% annual ch	4	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	5.00	14.25	19.25	371

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
013000022	1	Gilbert Creek	Burkburnett, Wichita County	Raises road and replaces existing culverts with larger culverts and a bridge with grading to increase road level of service.	Infrastructure	11,783,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.30	2.30	No	0	0	<10% annual	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.75	13.50	19.25	373
113000010	11	City of Kyle 65ft Channel Modification and Additional Culvert	Kyle	The channel modifications consists of 65-ft bottom width channel modifications with 4:1 side slopes spanning from the North I-35 frontage road down past Goforth Road to Kym Way.	Infrastructure	589,000	4	0.88	10.26	1.03	4	0.45	16	2.58	0	0	0	0	0	0	0	0	27.80	2.78	1.73	1.73	No	0	0	50-year	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	10.64	8.50	19.14	374
153000074	15	Alton MDP - North Stewart Boulevard Alternative 1	Alton	Construction of and additional 6,600 LF of a single 8' X 4' reinforced concrete box sloped at 0.02% from the Val Verde Acres Subdivision to Josefa Garcia Park is required in addition to the improvements currently underway from the CWSRF loan.	Infrastructure	23,275,000	55	1.97	30.39	3.04	0	0	165	4.31	0	0	0	0	0	0	0	0	0	0	0.02	0.02	No	0	0	2	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	9.37	9.75	19.12	375
123000080	12	CR 163 Drainage Improvements at Panther Creek	Karnes County	Elevate roadway and upgrade existing culvert structure to include box culverts and channel improvements	LWC upgrade	3,218,400	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	5.00	0.50	0.20	0.20	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.32	17.75	19.07	376
053000006	5	Black Fork Creek Improvement Project	Tyler	Construct a detention pond and install a diversion to be placed near the decommissioned Hogg Middle School within the city of Tyler.	Comprehensiv	22,234,300	12	1.33	6.78	0.68	10	0.64	29	3.02	0	0	0	0	0	0	0	0	0	0	0.26	0.26	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.32	12.75	19.07	377
103000062	10	Cedar Creek Channel Improvements Near Christian Drive	Caldwell County	Channel improvements to reduce residential flooding near Christian Drive	Channel	14,654,000	9	1.21	56.25	5.63	8	0.59	24	2.88	0	0	0	0	0	0	0	0	5.00	0.50	0	0	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	10.56	8.50	19.06	378
133000038	13	Old Frio City Road at North Prong Creek Bridge	Bexar County	This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, and adding a bridge.	LWC upgrade	3,018,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	3.00	0.30	0.10	0.10	No	0	10	Less than the	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.66	16.25	18.91	379
123000059	12	Gass Road at Culebra Creek Tributary D Bridge	Bexar County	This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, and adding a bridge.	LWC upgrade	3,898,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00	0.30	1.70	1.70	No	0	10	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	4.40	14.50	18.90	380
033000071	3	Design/Construction for Holland Lake Spillway	Weatherford	Upgrade dam to be able to pass the 25% PMF and meet TCEQ dam safety requirements. Add an emergency spillway through the right abutment of the dam along with raising the top of dam elevation.	Dam	3,860,000	1	0.37	100.00	10.00	1	0.19	2	1.07	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	<100-yr	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	11.88	7.00	18.88	381
123000038	12	Toutant Beauregard at Balcones Creek	Bexar County, Kendall County	Low water crossing Improvements at Toutant Beauregard Rd and Upper Balcones Rd Intersection and Balcones Creek	LWC upgrade	3,647,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	3.00	0.30	0.10	0.10	No	0	10	<10	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	0.97	17.75	18.72	382
123000039	12	Boerne Stage Road at Balcones Creek	Bexar County, Kendall County	Improvements on Low water crossing at Boerne Stage rd and Balcones	LWC upgrade	5,855,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	3.00	0.30	0.10	0.10	No	0	10	<10	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	0.97	17.75	18.72	382
123000023	12	Symphony Lane Voluntary Property Acquisition	San Antonio	Purchase 32 properties located west of the San Antonio River Symphony Reach, and along Pyron Ave and Symphony Lane.	Property acqui	33,019,300	0	0	0	0	0	0	84	3.81	0	0	0	0	2	0.94	5.04	1.23	0	0	0.40	0.40	No	0	0	Unknown	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	6.97	11.75	18.72	384
053000011	5	Pevitot Gully Improvement System	Jefferson County Drainage District 6	The project proposes an improvement system consisting of offline detention basins and channelization along Pevitot Gully.	Comprehensiv	319,970,816	27	1.67	9.41	0.94	3	0.39	245	4.60	0	0	0	0	4	1.36	12.78	1.71	0	0	0	0	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	10.67	8.00	18.67	385
123000053	12	Abbott Road at Tributary A to Salitrillo Creek and at Salitrillo Creek Bridge	Bexar County	This project will provide 50-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, upgrading culverts, and adding a bridge.	LWC upgrade	5,468,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	3.00	0.30	0.05	0.05	No	0	10	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	2.54	16.00	18.54	386
153000049	15	West Street 10x10 Box Culvert	Harlingen	This project proposes a 7,500ft long 10 x10 underground system streching from the west street and outfalls at Arroyo Colorod.	Infrastructure	19,201,000	18	1.50	2.93	0.29	0	0	54	3.48	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	2	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.77	12.75	18.52	387
153000005	15	Alton MDP - North Inspiration Road and West St. Jude Avenue Alternative 2	La Joya	Alternative 2, is designed to remove structures from the 25-year floodplain and more frequent storms. This alternative consists of upsizing the storm drain under West St Jude Avenue. The trunk line will consist of 1,900 LF of a single 7' X 5' reinfo	Infrastructure	2,443,160	30	1.72	29.41	2.94	0	0	90	3.86	0	0	0	0	0	0	0	0	0.10	0.01	0.10	0.10	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.77	9.75	18.52	388

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
143000119	14	City of Pecos	Pecos City, Lindsay CDP, Reeves County, TxDOT	Retention Basin	Detention pond	11,161,000	51	1.94	5.14	0.51	0	0	144	4.21	0	0	0	0	2	0.94	8.12	1.47	0	0	0.17	0.17	No	0	0	>50% Annual	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	<Null>	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	9.50	9.00	18.50	389
063000123	6	City of Cleveland Floodplain Land-Use Ordinance	Cleveland	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	6.00	18.50	390
063000142	6	City of Hitcock - Improve Regulations and Permit Requirements	Hitchcock	Improve regulations and permit requirements to promote hazard mitigation strategies.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	6.00	18.50	390
063000146	6	City of La Marque - Improve Regulations and Permit Requirements	La Marque	Improve regulations and permit requirements to promote hazard mitigation strategies.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	6.00	18.50	390
063000201	6	City of Alvin Unified Development Ordinance	Alvin	A unified land development code combines all land use controls into a single document with a logical structure that is user friendly. Cost is time, data and preparation of a unified land development code.	Preparedness	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	6.00	18.50	390
123000034	12	Elm Spring	Shavano Park	Flooding creates dangerous driving conditions and flood multiple homes. Proposed Storm drain system along Elm spring	Storm drain	2,191,000	5	0.97	29.41	2.94	4	0.45	12	2.36	0	0	0	0	1	0.57	0	0	3.00	0.30	0.10	0.10	No	0	0	<25	2	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	7.69	10.75	18.44	394
103000011	10	Cameron Road Crossing Improvements	Travis County	Six 50 FT span bridge, 1520 LF raised road, channel grading and widening	LWC upgrade	2,860,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	0	0	0.07	0.07	No	0	10	>50% ACE	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.44	16.00	18.44	395
123000054	12	Abbott Road at Unnamed Tributary 1 to Salitrillo Creek LWC Improvement	Bexar County	This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading and culvert upgrades.	LWC upgrade	740,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	3.00	0.30	0.30	0.30	No	0	10	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	3.16	15.25	18.41	396
113000086	11	City of Kerrville Fourth Street Low Water Crossing	Kerrville	7-12' x 8' box culverts, channel improvements, and road raise	LWC upgrade	5,392,000	1	0.37	5.00	0.50	1	0.19	3	1.35	0	0	1	1.69	0	0	0	0	1.10	0.11	0.10	0.10	No	0	10	1 year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	4.40	14.00	18.40	397
103000057	10	Detention Pond at Hunters Crossing (DMP SB-01)	Bastrop	Outlet weir structure, berm improvements	Detention pond	708,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.13	0.51	0	0	0.03	0.03	No	0	0	>4%	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	0.59	17.75	18.34	398
153000042	15	2023 Bond Project 24 - F-13-F02	Hidalgo County Drainage District 1	This project is approximately 4.7 miles of channel improvements includes widening ditches F-13 and F-02 within existing right of way, from Hwy 281 to Floodway Levee.	Infrastructure	1,460,000	12	1.33	13.19	1.32	0	0	36	3.18	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.58	11.75	18.33	399
153000050	15	Joint Use Irrigation Canal No. 1	Harlingen	A total of 4100 feet of open channel with a bottom width of 20 ft, side slope of 2:1 and a depth of 10 ft is proposed along the existing irrigation canal alignment to outfall to Arroyo Colorado.	Infrastructure	13,790,000	20	1.55	14.71	1.47	0	0	60	3.56	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	2	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.57	11.75	18.32	400
083000853	8	Long Point Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	8,760,000	4	0.88	10.26	1.03	4	0.45	14	2.48	0	0	0	0	1	0.57	4.48	1.16	0	0	0	0	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	6.56	11.75	18.31	401
083001062	8	Hazelwood Crossing	McLennan County	Construction of a bridge to allow for neighborhood access during storm events.	LWC upgrade	616,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	No	0	10	10-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	0.01	18.25	18.26	402
153000026	15	Zacate Creek Channel Improvements	Laredo	Project includes channel improvements along Zacate Creek.	Infrastructure	700,000	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0.30	0.03	0.70	0.70	No	0	0	25	8	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.45	14.75	18.20	403
123000066	12	CR 294 Drainage Improvements at Dry Ecleto Creek	Karnes County	Upgrade CR 294 to include new bridge structure with roadway and channel improvements for 100 year roadway access	LWC upgrade	7,178,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0.15	0.08	5.00	0.50	0.30	0.30	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.34	14.75	18.09	404

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
083001308	8	Davis St	Taylor	Proposed storm sewer along Davis Street from 8th Street to 2nd Street that discharges to the existing outfall in the railroad drainage ditch to the north of the railroad and ties into 2nd st existing drainage system. Approximately 3,750 linear ft of RCP.	Storm drain	4,370,000	13	1.37	56.52	5.65	9	0.62	67	3.64	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	< 2-Year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.52	6.50	18.02	405
063000153	6	City of Galveston Freeboard Requirement Enforcement	Galveston	Consider adoption and enforcement of freeboard requirement into City's Flood Damage Prevention Ordinance.	Preparedness	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	5.50	18.00	406
123000075	12	CR 354 Drainage Improvements at Lower San Antonio Tributary 147	Karnes County	Elevate roadway and upgrade existing culvert structure with a new bridge structure and channel improvements	LWC upgrade	6,467,859	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0.44	0.23	5.00	0.50	0	0	No	0	10	2-year	8	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.74	15.25	17.99	407
153000088	15	McAllen MDP- Study 1 Monaco/Hoehn Rd Subdivision	McAllen	Channelization and Culvert Improvement on Monte Cristo	Infrastructure	22,594,720	8	1.16	2.92	0.29	0	0	15	2.53	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	25	8	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	4.23	13.75	17.98	408
063000477	6	PI18-E006 (Hardy West) (2018 Bond Project C-41)	Harris County Flood Control District	Proposal of the Hardy West Detention Basin (PI18-00-00-E006). Project consists of 2 basins providing 400 acre-ft of detention volume adjacent to Halls Bayou and separated by PI18-25-00.	Detention pond	32,053,000	61	2.01	1.66	0.17	36	0.91	121	4.08	0	0	0	0	1	0.57	0	0	0	0	0.38	0.38	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.69	9.25	17.94	409
113000088	11	City of New Braunfels Castell Avenue Phase 1 Drainage Improvements	New Braunfels	The project proposes inlets and pipes to collect storm water runoff along Castell Avenue and a large 10x8 storm box extension to outfall into the Guadalupe River along Coll Street.	Storm drain	6,732,000	32	1.74	0	0	14	0.71	60	3.56	0	0	0	0	0	0	0	0	0	0	0.40	0.40	No	0	0	NULL	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	7.01	10.75	17.76	410
153000009	15	Precinct 4 MDP - Risk Area C at FM 2812 & FM 493	Starr County	Channel Improvements (Widening & Regrading) to Existing J-01 Drain with approximately 1.5 miles of proposed improvements. Channel Improvements (Channel Maintenance & Flowline Regrading) to Existing DA-1 Ext. Drain with approximately 0.4 miles of proposed	Infrastructure	6,807,120	41	1.85	10.57	1.06	0	0	123	4.09	0	0	0	0	0	0	0	0	0.10	0.01	0.40	0.40	Yes	1	0	5	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.00	9.75	17.75	411
133000025	13	Risk Area 11 - Callicoate Farms	Robstown	Runoff collects and passes over the area near the CO Rd 44 and FM 1694 intersection and surrounding structures before making it's way to Oso Creek and Ditch A to Oso Creek.	Infrastructure	6,056,940	2	0.60	4.35	0.43	2	0.31	6	1.85	0	0	0	0	0	0	7.61	1.44	5.00	0.50	0.03	0.03	No	0	0	< 100-Year	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.96	12.75	17.71	412
053000012	5	Willow Marsh Bayou Phelan Blvd Detention	Jefferson County Drainage District 6	The project proposes an improvement system consisting of in-line detention basins and channelization along Willow Marsh from Phenlan Blvd to Highway 90.	Comprehensive	203,869,200	14	1.40	3.70	0.37	4	0.45	35	3.16	0	0	0	0	1	0.57	5.31	1.25	0	0	0	0	No	0	3	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.20	10.50	17.70	413
153000006	15	Alton MDP - West Mile 5 and South Glasscock Road Alternative 3	La Joya	Alternative 3 is simply the buyout and removal of 23 properties on the north side of Buchanan from the 10-year floodplain. Once structures are removed, the vacant land can be excavated and used as a park/regional retention pond.	Infrastructure	1,442,000	13	1.37	43.33	4.33	0	0	39	3.24	0	0	0	0	0	0	0	0	0.03	0.00	0.08	0.08	No	0	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	9.14	8.50	17.64	414
083001310	8	Annie St	Taylor	Proposed storm sewer along Annie Street, Howard Street, and 7th Street that discharges to a new outfall in the railroad drainage ditch to the south of 2nd street. Approximately 4,000 linear ft of RCP.	Storm drain	2,626,000	8	1.16	57.14	5.71	8	0.59	24	2.88	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	0	< 2-Year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	11.10	6.50	17.60	415
063000186	6	Poor Farm Ditch (D111-00-00) Conveyance Improvements between Bellaire and University Boulevards	Harris County Flood Control District	Project proposed to improve conveyance within the D111-00-00 channel between Bellaire and University Boulevards. The LOS of the channel is increased from a 10-year event to a 50-year event. Mitigation volume is provided in the Meyer SW Detention Basin.	Channel	19,917,000	8	1.16	24.24	2.42	5	0.49	54	3.48	2	1.73	0	0	0	0	3	1.18	0	0	1.23	1.23	No	0	0	0.1	0	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	13.55	4.00	17.55	416
123000013	12	PROJECT 12 - PLANT CHANNEL IMPROVEMENT	Boerne	Channel improvements	Channel	1,232,040	0	0	0	0	7	0.56	18	2.66	0	0	0	0	0	0	0	0	0.56	0.06	0.40	0.40	No	0	0	The project c	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	4.25	13.25	17.50	417
083000712	8	Bryan Boonville and Briarcrest Bridges	Bryan	Addition of bridges, channel benching, and detention	Comprehensive	12,313,040	6	1.04	20.69	2.07	2	0.31	26	2.94	0	0	0	0	1	0.57	0.08	0.04	0	0	0.09	0.09	No	0	3	10-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	7.18	10.25	17.43	418
013000021	1	Buffalo Creek	Iowa Park	Minor channel grading to reduce structure flooding in neighborhood.	Infrastructure	686,000	3	0.76	7.69	0.77	3	0.39	36	3.18	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	0	50% annual	4	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.85	11.50	17.35	419
083000827	8	Lower Dry Creek Channel Improvement	Fort Bend County	Channel improvements and re-configurations.	Channel	110,716,000	0	0	0	0	0	0	0	0	2	1.73	0	0	0	0	94.13	2.76	0	0	0.03	0.03	No	0	0	2-year	8	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	4.56	12.75	17.31	420

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
103000009	10	Cole Road Crossing Improvements	Travis County	Four 50 FT span bridge, 1160 LF raised road	LWC upgrade	3,970,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	0	0	0.02	0.02	No	0	10	>50% ACE	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.31	15.00	17.31	421
013000029	1	Site 11-Gordon-Cummings	Randall County	Increase the bridge opening & raising the low chord, raise the road	LWC upgrade	1,181,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.30	1.30	No	0	10	<50% annual	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.25	14.00	17.25	422
033000090	3	Town Creek Railroad and S. Warren Street Improvements	Burleson	This FMP includes improving the capacity of the crossing by adding a third 12' x 10' barrel to the RCB. This solution also includes raising S Warren St by 2.5' and increasing the capacity of the crossing.	Infrastructure	2,441,000	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0	0	0.20	0.20	No	0	0	10-yr	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.19	15.00	17.19	423
063000472	6	Right-Of-Way Acquisition, Design and Construction of a Stormwater Detention Basin on South Mayde Creek near the Grand Parkway (2018 Bond Project C-48)	Harris County Flood Control District	This project includes the design and construciton of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00).	Detention pond	11,440,000	59	2.00	2.52	0.25	59	1.02	194	4.43	0	0	0	0	0	0	0	0	0	0	0.18	0.18	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.15	9.00	17.15	424
033000039	3	Project 6 - Valley Forge Street System	Richardson	Prairie Creek; Parallel culvert crossing KCS Railroad; concrete flume from cul-de-sac to alley parallel to KCS Railroad; replaces existing storm sewer main with 36" & 60" storm sewer; new wingwalls & added 50 LF inlet capacity to keep floodwater in ROW	Storm drain	755,000	5	0.97	45.45	4.55	4	0.45	18	2.66	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	10-yr	3	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.87	8.25	17.12	425
153000046	15	System 23 Regional Detention Facility	Harlingen	The proposed project includes a 5 acres regional detention facility in the Harlingen Heights area.	Comprehensive	1,600,000	5	0.97	0.95	0.09	0	0	15	2.53	0	0	0	0	0	0	0	0	0	0	1.20	1.20	No	0	3	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	6.59	10.50	17.09	426
063000129	6	City of Manvel City Ordinance	Manvel	The city shall adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet above base flood elevation.	Preparedness	103,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	4.50	17.00	427
063000130	6	City of Manvel Land-Use Ordinance Adoption	Manvel	The city shall adopt a land-use ordinance which prohibits building residential or commercial structures in the 100-year floodplain.	Preparedness	103,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	4.50	17.00	427
063000145	6	City of Kemah - Update Floodplain Ordinance	Kemah	Update floodplain ordinance to ensure compliance with minimum standard of NFIP.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	4.50	17.00	427
063000149	6	City of Santa Fe - Improve Regulations and Permit Requirements	Santa Fe	Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	4.50	17.00	427
133000011	13	FM12.1: Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road	Pearsall	Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road.	Storm drain	8,700,000	1	0.37	0.47	0.05	1	0.19	3	1.35	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	<100	6	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.21	14.75	16.96	431
103000063	10	CR 170 Low Water Crossing Improvements @ Lytton Creek	Caldwell County	Upgrade 2 existing low water crossings to include box culverts and channel improvements	LWC upgrade	4,877,000	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	5.00	0.50	0.10	0.10	No	0	10	Unknown	10	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.19	14.75	16.94	432
063000319	6	Design and Construction of the B509-03-00 and B509-04-00 Stormwater Detention Basins (2018 Bond Project C-07)	Harris County Flood Control District	This project provides for design and construction of three offline detention basins in B509-03-00 and B509-04-00.	Detention pond	34,850,000	15	1.43	1.08	0.11	13	0.69	114	4.03	0	0	0	0	1	0.57	0	0	0	0	0.01	0.01	No	0	0	Unknown	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.86	10.00	16.86	433
053000014	5	Willow Marsh Downstream	Jefferson County Drainage District 6	The project proposes an improvement system consisting of off-line detention basins and channelization along Willow Marsh from South Major Dr to Hillebrandt Bayou.	Comprehensive	118,142,720	25	1.64	4.13	0.41	12	0.68	96	3.91	0	0	0	0	4	1.36	2.44	0.86	0	0	0	0	No	0	2	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	8.85	8.00	16.85	434
113000070	11	Victoria County Nursery Road LWC	Victoria County	Improvements consist of five (9ft x 9ft) box culverts and raising the deck elevation to be able to pass the 10% ACE (10-yr) event without overtopping.	LWC upgrade	724,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.10	0.11	1.10	1.10	No	0	10	2-year	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.81	14.00	16.81	435
033000043	3	Project 19 – Pebblebrook Circle System	Richardson	Prairie Creek; Replaces the existing storm sewer with larger 36" storm sewer near Pebblebrook Circle; new 30" storm sewer; and additional 30 LF inlet capacity to keep floodwaters within the road ROW	Storm drain	511,000	1	0.37	33.33	3.33	1	0.19	3	1.35	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	0	25-yr	3	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	5.99	10.75	16.74	436

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
053000015	5	Tyrrell Park Improvements	Jefferson County Drainage District 6	The project proposes a new channel alignment across Tyrrell Park to an existing channel that outfalls into Hillebrandt Bayou, to gain the full benefits the project should be accompanied by improvements of roadside ditches in adjacent neighborhoods.	Channel	25,095,036	18	1.50	3.58	0.36	14	0.71	82	3.79	0	0	0	0	1	0.57	0.10	0.05	0	0	0.06	0.06	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.14	9.50	16.64	437
113000083	11	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek	Caldwell County	Caldwell County CR 218 @ Boggy Creek and Clear Fork Plum Creek	LWC upgrade	7,836,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	0.50	0.02	0.02	No	0	10	NULL	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.30	16.25	16.55	438
153000013	15	Precinct 4 MDP - Risk Area G at Hoehn Rd. & Mile 11 Rd.	Starr County	Channel Improvements with approximately 0.75 miles of proposed improvements. Proposed Pond north of County Road 3424 and west of County Road 3421 has an approximate footprint of 5 acres and capacity of 35 acre-ft. Grate Inlets and Proposed Storm Drain S	Infrastructure	5,231,130	10	1.26	4.48	0.45	0	0	30	3.04	0	0	0	0	0	0	0	0	0.10	0.01	0.50	0.50	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.00	10.50	16.50	439
103000059	10	SH-95 Improvements at Gills Branch (DMP GB-01)	Bastrop	Addition of culverts at SH-95	LWC upgrade	688,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	10	>10%	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.50	15.75	16.25	440
063000424	6	City of Friendswood - Clear Creek Inline & Offline Detention - Bay Area Blvd. Phase 1	Friendswood	This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the City of Friendswood and will make the Blackhawk Wastewater Treatment Facility more resilient.	Detention pond	65,800,000	172	2.45	3.47	0.35	0	0	0	0	2	1.73	0	0	7	1.72	2.85	0.93	0	0	0.21	0.21	No	0	0	Unknown	6	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	7.70	8.50	16.20	441
043000026	4	City of Longview Property Acquisition	Longview	Implementation of program to purchase properties and repetitive loss homes in floodplain areas to reserve them from development.	Property acquisition	10,000,000	4	0.88	0.26	0.03	4	0.45	18	2.66	0	0	0	0	0	0	0	0	0	0	0.60	0.60	No	0	0	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.51	10.50	16.01	442
013000026	1	Site 04-Country Club	Randall County	Upsize the culvert crossing, raise the road, modify channel	LWC upgrade	1,243,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	10	<50% annual	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	16.00	16.00	443
083000814	8	Dutch John Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	39,101,000	0	0	0	0	0	0	0	0	0	0	0	0	2	0.94	1468.85	4.21	0	0	0.00	0.00	No	0	0	2-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	5.16	10.75	15.91	444
033000084	3	Channel and Crossing Improvements on Redmond Creek south of the City of Ames	Liberty County Water Control Improvement District #5	The proposed improvements include channel widening to a 5' bottom width and a trapezoidal shape with 4:1 side slopes. The primary crossing of Redmond Creek will be upsized to 4-8'x7' RCB and a crossing to the west will be upsized to a 2-3'x2' RCB.	Infrastructure	1,255,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.23	0.12	0	0	2.31	2.31	No	0	0	<2-yr	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.90	10.00	15.90	445
083000809	8	Diversion Channel Ditch and Drop Structure	Fort Bend County	Channel re-configuration to re-direct flow from Big Creek. Improvements to drop structure to EMS, make capacity for this increased flow.	Channel	266,699,008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.37	0.59	0	0	0	0	No	0	0	2-year	10	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	0.59	15.25	15.84	446
123000068	12	CR 262 Drainage Improvements at Ecleto Creek	Karnes County	Upgrade CR 262 to include roadway elevation, bridge expansion, and channel improvements	LWC upgrade	11,242,400	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0.01	0.01	5.00	0.50	0.10	0.10	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.08	14.75	15.83	447
153000070	15	Alamo Expressway Drain Phase 2 BP 21	Hidalgo County Drainage District 1	The Alamo Expressway Drain is designed to remove a number of residential structures, commercial structures, and 1.33 miles of roadway from the 100-year floodplain. Approximately 1.9 miles of channel improvements includes excavation nof the Alamo Expressw	Infrastructure	1,282,997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.20	1.20	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.00	12.75	15.75	448
123000024	12	Holbrook Road Improvements	San Antonio	Offset a portion of the roadway south of Woodburn Rd	Infrastructure	14,608,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	No	0	0	Less than 100	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.02	15.50	15.52	449
113000074	11	Caldwell County CR 141 @ Hines Branch	Caldwell County	Upgrade existing low water crossing to include box culverts and channel improvements	LWC upgrade	2,893,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	0.50	0.20	0.20	No	0	10	NULL	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.75	14.75	15.50	450
063000114	6	City of Bayou Vista Regulations and Permit Requirements Update	Bayou Vista	Update regulations and permit requirements to address enhances hazard mitigation strategies.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	3.00	15.50	451

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
063000115	6	City of League City Freeboard Ordinance	League City	Update city ordinance to require 24" of freeboard in the floodplain.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	3.00	15.50	451
063000140	6	City of Clear Lake Shores - Improve Regulations and Permit Requirements	Clear Lake Shores	Update regulations and permit requirements.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	3.00	15.50	451
063000143	6	City of Jamaica Beach - Improve Regulations and Permit Requirements	Jamaica Beach	Improve regulations and permit requirements to promote hazard mitigation strategies.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	3.00	15.50	451
063000148	6	City of Tiki Island - Improve Regulations and Permit Requirements	Tiki Island	Update and/or develop regulations and permits to address hazards prone to the area and include any changes in future development area.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.00	5.00	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	12.50	3.00	15.50	451
083001304	8	Tributary 3 and UPPR Culvert Improvements	Eastland	Culvert improvements; upstream and downstream channel improvements.	Comprehensiv	2,912,398	55	1.97	24.02	2.40	48	0.97	192	4.42	0	0	0	0	1	0.57	0.20	0.10	0	0	0.30	0.30	No	0	3	10-Year	0	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	11.19	4.25	15.44	456
033000088	3	Project 13 - Mimosa & Melrose Dr	Richardson	Project 13 proposes upsizing existing storm sewer mains and laterals, adding parallel storm sewers, and adding additional curb to gutter inlets to eliminate the 140 cfs of uncollected flow going to the east, alleviating ponding at the intersection.	Storm drain	2,646,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	0	0	0	0	No	0	0	<100-yr	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.57	14.75	15.32	457
103000065	10	Creek Street at Barons Creek	Fredericksburg	Upgrade existing low water crossing and channel improvements	LWC upgrade	2,027,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	10	>2 YR	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.75	14.50	15.25	458
043000007	4	Elevation of Feeder Road Along IH-10 at Cole Creek	Orange County Drainage District	Proposed roadway improvements for access to IH10 during flood events	LWC upgrade	986,215	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0	0	0.10	0.10	No	0	10	Unknown	6	>75% of project community affected (by population)	10	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will project all major access routes in floodplain and all emergency services access. Minor access routes are still flooded or have restricted access in local areas.	7	1.94	13.25	15.19	459
153000041	15	Alt_West_107	McAllen	Project includes the addition of RCP and RCB structures to improve stormwater drainage along Brian and Stewart Road.	Comprehensiv	18,678,150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.03	0.10	0.10	No	0	2	10	8	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.27	14.75	15.02	460
153000091	15	McAllen MDP - Study 4 Bentsen Rd	McAllen	Two overvlow routing improvements for Bentsen Rd via two roadside ditches and two channels	Infrastructure	2,896,781	5	0.97	2.30	0.23	0	0	22	2.81	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	4.26	10.75	15.01	461
023000011	2	City of Texarkana Gauges	City of Texarkana	Install ten combination rain and flood gauges and two rain gauges to better understand flood risks and improve mitigation.	Preparedness	374,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	15.00	15.00	462
083001299	8	Lingleville Alternative 2	Stephenville	Includes (4)10'x6' RCB and upstream grading	LWC upgrade	2,014,000	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0	0	1.10	1.10	No	0	10	< 2-Year	6	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.25-0.5 (low to moderate Vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.44	10.50	14.94	463
103000002	10	Alum Creek - Cardinal Drive Improvements (Tributary 11)	Bastrop County	5 box culverts: 7x6, 360 LF raised roadway and channel widening	LWC upgrade	719,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.47	0.47	No	0	10	>50% ACE	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.17	13.75	14.92	464
123000027	12	Shady Lane Dr. Voluntary Property Acquisition	San Antonio	This projcct consist primarily of property buy-outs within the floodplain to mitigate structural flooding to those properties.	Property acqui	1,306,980	0	0	0	0	0	0	18	2.66	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	Unknown	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	3.16	11.75	14.91	465
063000474	6	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Projects C-03 and F-02)	Harris County Flood Control District	The proposed project includes channel improvements and inline detention from Cullen Boulevard to Pearland Parkway along with additional offline detention basins to mitigate for impacts from additional conveyance in the mainstem of Clear Creek.	Comprehensiv	295,268,000	770	3.08	4.14	0.41	722	1.55	0	0	0	0	0	0	0	0	0	0	0	0	0.54	0.54	No	0	3	Unknown	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.39	8.50	14.89	466
103000003	10	Alum Creek - Cardinal Drive Improvements (Tributary 87)	Bastrop County	3 box culverts: 8x6, 100 LF raised roadway and channel widening	LWC upgrade	352,000	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0	0	0	0	0.05	0.05	No	0	10	>50% ACE	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.39	12.50	14.89	467
123000037	12	Specht/Obst Road at Cibolo Creek	Bexar County, Comal County	Improve Low water crossing at West Specht Rd/ Obst Rd and Cibolo Creek	LWC upgrade	4,494,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	3.00	0.30	0.50	0.50	No	0	10	<2	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	1.97	12.75	14.72	468

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
013000030	1	Site 12-Tradewinds & Farmers	Randall County	Raise the road	LWC upgrade	3,885,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	0	0	1.30	1.30	No	0	10	<50% annual	10	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.82	10.75	14.57	469
083000841	8	Red Gully Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	46,719,000	0	0	0	0	0	0	0	0	0	0	0	0	7	1.72	85.07	2.71	0	0	0.06	0.06	No	0	0	2-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas.	4	4.57	10.00	14.57	470
153000040	15	Alt_RetireatHeaven_510th	McAllen	Project includes channel improvements and the addition of culverts east of W Military Highway.	Infrastructure	4,360,910	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.03	0.70	0.70	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.76	12.75	14.51	471
153000033	15	Drain C-Right Culvert Improvements	Cameron County Drainage District 3	Project includes the addition of three 72" RCP barrels to the existing structure at the railroad crossing, adjacent to Helen Moore Road.	Infrastructure	6,291,880	1	0.37	0.55	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.03	0.50	0.50	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.69	12.75	14.44	472
043000024	4	Upper Happy Hollow Drainage Improvement - Smith Park	Marshall	Drainage improvement through Smith Park	Channel	491,866	9	1.21	1.94	0.19	5	0.49	18	2.66	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	Unknown	8	25%-50% of project community affected	4	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	4.81	9.50	14.31	473
093000011	9	Jal Draw, Proj. E	Midland	The proposed channel has a top width of 500-feet for much of the reach to match the existing top width. There are two existing crossings, one at Crowley Road and the other at Holiday Hill Road. FNI recommends that both crossings remain.	Channel	3,773,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	12.64	1.71	10.00	1.00	0	0	No	0	0	5-year LOS	3	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.78	11.50	14.28	474
043000032	4	Harris Creek Tributary Flooding	Longview	Proposed drainage improvements near Harris Creek	Channel	53,892,340	50	1.93	3.29	0.33	47	0.97	246	4.61	0	0	0	0	0	0	0.08	0.04	0	0	0.01	0.01	No	0	0	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas.	4	7.90	6.25	14.15	475
153000065	15	Mission Inlet BP 13	Hidalgo County Drainage District 1	The project improvements include widening the pilot channel of the Mission Inlet and updating the outfall structure to IBWC Floodway.	Infrastructure	7,480,000	8	1.16	17.39	1.74	0	0	20	2.74	0	0	0	0	0	0	0	0	0	0	0.50	0.50	No	0	0	10	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.89	7.25	14.14	476
123000014	12	PROJECT 14 - EAST BOERNE REGIONAL LID	Boerne	Proposed inline extended detention facility that provides water quality benefits to the urbanized tributary of Cibolo Creek and properties downstream of Scenic Loop Road	Natural	663,404	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12.86	1.29	0.60	0.60	No	0	0	Unknown	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.14	12.00	14.14	477
043000025	4	Parker Creek Improvements	Marshall	Improvements through downtown	Channel	19,010,116	2	0.60	0.43	0.04	0	0	73	3.70	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	Unknown	8	25%-50% of project community affected	4	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	4.60	9.50	14.10	478
103000001	10	Alum Creek - Cardinal Drive Improvements	Bastrop County	2 box culverts: 4x3 west, 4 box culverts: 4x2 east, 310 LF raised roadway and channel widening adjacent to roadway	LWC upgrade	545,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.13	No	0	10	>50% ACE	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.32	13.75	14.07	479
083000834	8	Oyster Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	315,176,000	0	0	0	0	0	0	0	0	0	0	0	0	31	2.68	4.24	1.14	0	0	0	0	No	0	0	2-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	3.82	10.00	13.82	480
103000004	10	Alum Creek - Ponderosa Loop Improvements	Bastrop County	3 box culverts: 8x5, 192 LF raised roadway	LWC upgrade	431,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	No	0	10	>50% ACE	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.02	13.75	13.77	481
043000012	4	CR-2400 Drainage Improvements	Hunt County	Two proposed bridge installations over creek crossing on County Road 2400 to reduce roadway overtopping curing storm events. Includes some creek channel grading improvements.	LWC upgrade	14,437,130	0	0	0	0	0	0	0	0	0	0	1	1.69	1	0.57	0.01	0.01	0	0	0.70	0.70	No	0	10	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.02	9.75	13.77	482
033000098	3	Kingstree Rd Drainage Improvements	Kaufman County	Proposed bridge installation over creek crossing on Kingstree Road to reduce roadway overtopping during storm events. Includes creek channel grading improvements.	LWC upgrade	3,319,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0	0	0.40	0.40	No	0	10	<2-yr	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.00	12.75	13.75	483
093000035	9	Bradford Detention	Tom Green County	The proposed project includes a 500-ft long drainage channel and culvert crossing that diverts runoff into a 7-ac regional detention pond that will be pumped to send flow to the East Angelo Draw.	Channel	5,528,000	26	1.66	3.42	0.34	26	0.84	1	0.65	0	0	0	0	0	0	0	0	0	0	0.60	0.60	No	0	0	Unknown	3	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.00	8.75	13.75	484

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
093000038	9	24th and Poe	Tom Green County	The proposed project includes roadway widening improvements graded to divert runoff into an existing drainage channel that will also be widened.	Other	3,075,000	8	1.16	4.91	0.49	8	0.59	10	2.23	0	0	0	0	0	0	0	0	0	0	0.20	0.20	No	0	0	Unknown	2	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.97	8.75	13.72	485
043000034	4	CR-342 Drainage Improvements	Kaufman County	Proposed bridge installation over creek crossing on County Road 342 to reduce roadway overtopping during storm events.	LWC upgrade	2,141,682	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0.00	0.00	0	0	0.90	0.90	No	0	10	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.94	9.75	13.69	486
153000090	15	McAllen MDP - Study 2 Shary Rd & 6Mil Intersection	McAllen	Channel improvements to WMDIII along with Culvert improvements on Shary Rd and Taylor Rd	Infrastructure	9,474,980	1	0.37	8.33	0.83	0	0	4	1.56	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	25	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	2.76	10.75	13.51	487
013000023	1	Site 01-Rockwell & Soncy	Randall County	Upsize the culvert crossing, raise the road, modify channel	LWC upgrade	713,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	10	<50% annual	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.25	13.25	13.50	488
013000027	1	Site 08-Running Water & FM 1714	Randall County	Replace the bridge crossing with culverts, raise the road	LWC upgrade	471,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.50	0.50	No	0	10	<50% annual	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.25	12.25	13.50	489
123000033	12	LWC at Old Fredericksburg Rd and Balcones Creek	Bexar County, Kendall County	Improve the low water crossing at Old Fredericksburg Rd and Balcones Creek	LWC upgrade	10,270,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	3.00	0.30	0	0	No	0	10	<10	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.72	12.75	13.47	490
143000105	14	EA10A	El Paso Water	Build sediment/detention basin upstream of Paseo del Este Drive	Detention pond	9,647,000	1	0.37	5.88	0.59	1	0.19	3	1.35	0	0	0	0	0	0	29.15	2.15	0	0	0	0	No	0	0	<1% annual ch	6	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	4.64	8.75	13.39	491
023000014	2	CR-1051 Drainage Improvements	Hunt County	Two bridge installations over creek crossing on CR-1051 to reduce roadway overtopping. Includes raising portions of the road and minor creek channel grading improvements directly under the proposed bridges and side ditch channel grading improvements	LWC upgrade	8,197,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	10	<2-yr	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.25	12.75	13.00	492
083001300	8	County Road 256 Alternative 1	Stephenville	Includes raising the road, (7)10'x9' RCB, and grading along the river	LWC upgrade	4,145,000	1	0.37	25.00	2.50	1	0.19	0	0	0	0	0	0	0	0	0	0	0	0	0.50	0.50	No	0	10	< 2-Year	4	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.25-0.5 (low to moderate Vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.31	8.50	12.81	493
143000007	14	Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	Marfa city	Add flood gates to roadways at 4 LWCs on Alamito Creek, and a monitoring gage/early detection on North Alamito Creek at Hwy 17 Bridge upstream of Marfa. This provides early warning for Emergency Management to deploy before imminent road flooding.	Preparedness	358,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	<20% annual c	10	<Null>	0	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some maj. access rts. or FP & the majority (>50%) of em. svc. access. Some maj. & many min. access rts. will remain flooded, & emer. svc. access may be restricted in some areas (i.e. >50% of FP by area inaccessible).	4	0	12.75	12.75	494
153000089	15	McAllen MDP- Study 3 SH107 East	McAllen	Two detention ponds north of SH107 and West of N 29th St	Comprehensive	15,456,190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	2	10	8	<25% of project community affected	1	Life/injury risk percentage >30%	6	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	0	12.75	12.75	494
093000017	9	Midland Draw, Project C	Midland	The proposed channel has a 250-foot top width for the entire length of the reach. There are two proposed crossings within the reach. The first is at a City of Midland 30" raw water line crossing, which is proposed to be twelve (12) 10' x 5' RCBC's. The 2"	Channel	13,676,000	0	0	0	0	0	0	0	0	1	1.06	0	0	5	1.50	25.13	2.07	10.00	1.00	0	0	No	0	0	100-year LOS	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.13	7.50	12.63	496
033000042	3	Project 16 - Valley Glen drive System	Richardson	Prairie Creek; Parallel storm sewer along the existing storm sewer alignment and extends the existing system further downstream; new storm sewer; and additional 230 LF inlet capacity to reduce the flooding along Valley Glen Drive and Pleasant Valley Lane	Storm drain	1,513,000	2	0.60	22.22	2.22	2	0.31	14	2.48	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	10-yr	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 3 wider benefit categories	7	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.86	6.75	12.61	497
093000015	9	Midland Draw, Project A	Midland	The proposed channel has a 250-foot top width for the entire length of the reach. There are three existing crossings, two to remain, one to be expanded, and one new crossing. The first crossing, at Loop 349, is to remain. The second crossing, at the futu"	Channel	13,592,000	0	0	0	0	0	0	0	0	0	0	1	1.69	14	2.17	0	0	10.00	1.00	0.30	0.30	No	0	0	25-year LOS	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.11	7.50	12.61	498
063000313	6	Design and Construction of Dinner Creek Stormwater Detention Basin (2018 Bond project C-38)	Harris County Flood Control District	Design and Construction of Dinner Creek Stormwater Detention Basin (US20-01-00-E003). Project would expand the existing detention basin to ultimate conditions and incorporate both detention and retention.	Detention pond	33,081,000	42	1.86	13.73	1.37	43	0.95	0	0	0	0	0	0	1	0.57	0	0	0	0	0.04	0.04	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.85	7.75	12.60	499

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
113000081	11	Caldwell County Brushy Creek Channel Improvements Near Las Estancias II	Caldwell County	Channel improvements to reduce residential flooding within Las Estancias II subdivision	Channel	9,622,000	11	1.30	0	0	11	0.66	17	2.62	0	0	0	0	0	0	0	0	5.00	0.50	0.10	0.10	No	0	0	NULL	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.08	7.50	12.58	500
123000058	12	Freudenburg Road at Salitrillo Creek Barrier Arms	Bexar County	The proposed improvements consist of adding flashing lights and an automatic barrier arm on each side of the LWC that will be lowered when the road is overtopped.	LWC upgrade	164,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	10	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.75	11.75	12.50	501
113000027	11	City of San Marcos Sherwood/Kingwood Drainage Improvements	San Marcos	Recommendations include improvements to the water, wastewater, drainage utility systems and street pavement of Kingwood Street and Sherwood Drive and a rain garden at the west end of Sherwood Drive.	Infrastructure	5,644,000	1	0.37	5.88	0.59	1	0.19	32	3.09	0	0	0	0	0	0	0	0	2.00	0.20	0.80	0.80	No	0	0	10-year	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	6.34	6.00	12.34	502
133000016	13	Kinney St. Pump Station Inlet Modifications	Corpus Christi	It is recommended that modifications be made to increase the size and capacity of the inlet to the Kinney Street Pump Station to improve its hydraulic efficiency.	Infrastructure	499,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	No	0	0	< 100-Year	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.05	12.25	12.30	503
073000021	7	Playa I6658 Improvements	Idalou	Playa improvements to Playa I6658 to lower the 100-year water surface elevation by 1' to facilitate future drainage improvements for the City of Idalou	Natural	2,719,130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5.65	1.28	100.00	10.00	0.80	0.80	No	0	0	100-YR	3	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	0	Project delivers benefits in only 1 wider benefit category	0	Project will deliver a high level of environmental benefits (4+ categories)	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	8.28	4.00	12.28	504
133000017	13	Power St. Pump Station Improvements	Corpus Christi	Improvements to the inlet of Power Street Power Station will improve upstream drainage hydraulics throughout the basin. It is proposed to widen the inlet as much as possible to reduce head loss at the Power Station Inlet.	Infrastructure	875,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	No	0	0	< 100-Year	6	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.02	12.25	12.27	505
153000072	15	North McAllen Detention Pond	McAllen	The project proposes 2 detention ponds as well as extending an existing ditch further upstream to connect the two ponds. The main goal of these drainage improvements is to provide relief and remove agricultural land from the 100-year floodplain.	Comprehensive	52,567,980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	2	10	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.75	11.50	12.25	506
013000024	1	Site 02-Happy West & Ball	Randall County	Upsize the culvert crossing, raise the road, modify channel	LWC upgrade	1,225,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	10	<50% annual	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	12.25	12.25	507
013000025	1	Site 03-Hix & FM 217	Randall County	Upsize the culvert crossing, raise the road, modify channel	LWC upgrade	1,216,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	10	<50% annual	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	12.25	12.25	507
123000031	12	Damage Center 2- Project 2 Road connection from Mosspoint to Sunshine	Poth	During a large storm event, access to and from residences adjacent to Mosspoint Street is compromised	Infrastructure	1,389,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3.00	0.30	0.02	0.02	No	0	0	<10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 3 wider benefit categories	7	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	0.20	12.00	12.20	509
033000037	3	Project 1 - Point North Parkway System	Richardson	Prairie Creek; ~450' channel improvements to lower HGL; proposed RCBC storm sewer main crossing Point N PKWY; new wingwalls; and added 100 LF inlet capacity to reduce sedimentation at Synergy Park Boulevard culverts and reduce flood depths at Point N PKWY	Infrastructure	965,000	0	0	0	0	0	0	17	2.62	0	0	0	0	1	0.57	0	0	0	0	0	0	No	0	0	10-yr	3	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.19	9.00	12.19	510
043000015	4	CR-4105 Drainage Improvements	Hunt County	Proposed bridge installation over creek crossing on County Road 4105 to reduce roadway overtopping during storm events. Includes side ditch grading improvements.	LWC upgrade	4,284,973	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.13	0.07	0	0	0.30	0.30	No	0	10	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.82	11.25	12.07	511
083000838	8	Lower Oyster Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	125,690,000	0	0	0	0	0	0	0	0	0	0	0	0	2	0.94	2.47	0.86	0	0	0	0	No	0	0	2-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	1.80	10.25	12.05	512
083000847	8	Stafford Run Channels and Detentions	Fort Bend County	Channel improvements and re-configurations at several key locations, addition of in-line detention.	Channel	15,612,000	0	0	0	0	0	0	0	0	0	0	0	0	3	1.18	2.03	0.77	0	0	0	0	No	0	0	2-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas.	4	1.95	10.00	11.95	513
083001302	8	Long St Alternative 1	Stephenville	Includes installing a 425' span bridge with road elevation on either side	LWC upgrade	8,993,000	0	0	0	0	0	0	0	0	0	0	1	1.69	0	0	0	0	0	0	0.10	0.10	No	0	10	< 2-Year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high Vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.94	10.00	11.94	514
043000013	4	CR-2706 Drainage Improvements	Hunt County	Two proposed bridge installations over creek crossing on Count Road 2706 to reduce roadway overtopping during storm events. A bridge class culvert, trapezoidal channel, and creek channel grading are also proposed.	LWC upgrade	9,125,858	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.19	0.10	0	0	0.80	0.80	No	0	10	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.10	9.75	11.85	515

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
143000005	14	SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	TXDOT, El Paso Water	Improvements to inlet and culvert capacities at 8 crossings, with cost estimates and prioritizations available.	Storm drain	3,745,000	0	0	0	0	0	0	0	0	0	0	8	5.32	0	0	0	0	0	0	0	0	No	0	0	<20% annual c	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (benefits in only 1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.32	6.50	11.82	516
073000006	7	City of Abilene Downtown Railroad Underpasses Flood Warning	Abilene	Installation of sensors at three railroad underpass to monitor water levels	Preparedness	636,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	5-YR	8	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 3 wider benefit categories	7	Blank	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	11.75	11.75	517
073000020	7	Playa i6546 Improvements	Idalou	Playa improvements to Playa i6546 to lower the 100-year water surface elevation by 1' to facilitate future drainage improvements for the City of Idalou	Natural	1,323,166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.36	0.84	100.00	10.00	0.70	0.70	No	0	0	100-YR	2	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	0	Project delivers benefits in only 1 wider benefit category	0	Project will deliver a high level of environmental benefits (4+ categories)	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	7.59	4.00	11.59	518
053000002	5	Bessie Heights Drainage Ditch Extension Project	Orange County Drainage District	Expand the Bessie Heights Drainage Ditch to address flooding risk to residential properties in the area.	Channel	4,250,000	8	1.16	5.76	0.58	8	0.59	10	2.23	0	0	0	0	0	0	0	0	0	0	0.01	0.01	No	0	0	Unknown	6	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	4.58	7.00	11.58	519
083001303	8	Weaver Creek and Main Street Culvert Improvements	Eastland	Detention pond, channel improvements, and culvert improvements.	Comprehensiv	6,848,016	2	0.60	0.71	0.07	0	0	11	2.30	0	0	0	0	1	0.57	0	0	0	0	0.10	0.10	No	0	3	2-Year	0	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	3.80	7.75	11.55	520
083000786	8	Bee Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations	Channel	38,771,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	255.99	3.29	0	0	0	0	No	0	0	5-year	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in 2 wider benefit categories	4	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	3.29	8.25	11.54	521
043000023	4	Parker Creek Detention Pond	Marshall	Detention pond by UPRR	Detention pon	5,047,893	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	Unknown	8	25%-50% of project community affected	4	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	6	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.25	11.25	11.50	522
113000091	11	Edwards Aquifer Authority and San Marcos River Foundation Katz Recharge Conservation Easement	Edwards Aquifer Authority	Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods	Natural	765,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00	10.00	0	0	Yes	1	0	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a high level of environmental benefits (4+ categories)	10	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.00	6.50	11.50	523
113000092	11	Edwards Aquifer Authority and San Marcos River Foundation Peters Recharge Conservation Easement	Edwards Aquifer Authority	Funding for 25% of the acquisition of a conservation easement to catch runoff and avoid future increases in impervious cover to mitigate future floods	Natural	606,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00	10.00	0	0	Yes	1	0	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a high level of environmental benefits (4+ categories)	10	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.00	6.50	11.50	523
113000093	11	City of Martindale and San Marcos River Foundation Scull Crossing Flood Mitigation Conservation Easement	Martindale	Funding for 25% of the acquisition of a conservation easement along the San Marcos River and adjacent crossing which floods. Benefits include riparian preservation, avoiding future increases in impervious cover.	Natural	489,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00	10.00	0	0	Yes	1	0	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a high level of environmental benefits (4+ categories)	10	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.00	6.50	11.50	523
113000094	11	City of Martindale, Caldwell County, and San Marcos River Foundation Berry Riparian Flood Mitigation Conservation Easement	Martindale, Caldwell County	Funding for 50% of the acquisition of a conservation easement along Hemphill Creek. Benefits include riparian preservation, avoiding future increases in impervious cover.	Natural	120,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00	10.00	0	0	Yes	1	0	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a high level of environmental benefits (4+ categories)	10	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.00	6.50	11.50	523
113000095	11	City of Martindale, Caldwell County, and San Marcos River Foundation Turner Riparian Flood Mitigation Conservation Easement	Martindale, Caldwell County	Funding for 50% of the acquisition of a conservation easement along Hemphill Creek and Morrison Creek. Benefits include riparian preservation, avoiding future increases in impervious cover.	Natural	245,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100.00	10.00	0	0	Yes	1	0	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project will deliver a high level of environmental benefits (4+ categories)	10	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.00	6.50	11.50	523
043000033	4	Iron Bridge Creek Neighborhood Flooding	Longview	Proposed drainage improvements near Iron Bridge Creek	Detention pon	25,270,808	14	1.40	0.92	0.09	13	0.69	26	2.94	0	0	0	0	0	0	0.03	0.01	0	0	0.01	0.01	No	0	0	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.16	6.25	11.41	528
123000061	12	Ulrich Road at Cibolo Creek Barrier Arms	Bexar County, Guadalupe County	The proposed improvements consist of adding flashing lights and an automatic barrier arm on each side of the LWC that will be lowered when the road is overtopped.	LWC upgrade	244,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.05	No	0	10	Less than the	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.13	11.25	11.38	529
033000065	3	Town Creek [Tarrant Ave, Warren St, Johnson Ave, Newton Dr] Safety Improvement	Burleson	Implement safety improvements including high-water warning flashers, staff gauges, flood hazard signs, and additional light fixtures at four crossings along Town Creek in Burleson: Tarrant Ave, Warren St, Johnson Ave, and Newton Dr.	Preparedness	367,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	<2-yr	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	11.25	11.25	530
123000057	12	Felix Road at Dry Hollow Creek Barrier Arms	Bexar County, Wilson County	The proposed improvements consist of adding flashing lights and an automatic barrier arm on each side of the LWC that will be lowered when the road is overtopped.	LWC upgrade	164,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.17	No	0	10	Less than the	8	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.43	10.75	11.18	531
153000048	15	Jefferson Regional Detention Facility	Harlingen	This project proposes a Regional Detention Facility of 33 acres located east of the intersection of N Ed Carey Dr and E Grimes Rd on an open field.	Comprehensiv	13,092,000	5	0.97	1.65	0.17	0	0	15	2.53	0	0	0	0	0	0	0	0	0	0	0.10	0.10	Yes	1	2	2	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.91	7.25	11.16	532
043000016	4	CR-4106 Drainage Improvements	Hunt County	Two proposed bridge installations over creek crossing on Count Road 4106 to reduce roadway overtopping during storm events. Includes some creek channel grading improvements directly under the proposed bridges.	LWC upgrade	3,344,199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.50	0.50	No	0	10	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.25	9.75	11.00	533

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
083001305	8	Lake Eastland CIP 3.5	Eastland	Reconstruction of primary Lake Eastland spillway.	Comprehensive	15,700,000	7	1.11	2.53	0.25	1	0.19	19	2.70	0	0	0	0	1	0.57	1.20	0.54	0	0	0.20	0.20	No	0	2	10-Year	0	<25% of project community affected	1	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	5.86	5.00	10.86	534
043000014	4	CR-3101 Drainage Improvements	Hunt County	Two proposed bridge installations over nearby creek crossings on County Road 3101 to reduce roadway overtopping curing storm events. Includes some creek channel grading improvements.	LWC upgrade	9,217,492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.18	0.09	0	0	0.40	0.40	No	0	10	Unknown	10	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.09	9.75	10.84	535
073000018	7	Buttonwillow Creek Crossing	Abilene	Low water crossing access during rain events.	LWC upgrade	2,226,235	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	10	2-YR	10	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	0	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	0.25	10.50	10.75	536
093000020	9	Midland Draw, Project F	Midland	This reach is the downstream terminus of the proposed channel, with a top width of 400ft. The improved channel alignment is shown as a potential drainage buffer area between the polo ground and existing and proposed developments.	Channel	5,883,000	8	1.16	0	0	0	0	0	0	0	0	0	0	5	1.50	0	0	10.00	1.00	0	0	No	0	0	50-year LOS	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.17	7.50	10.67	537
113000011	11	City of Kyle Plum Creek Detention Pond Upstream of IH35	Kyle	This project consists of a detention pond between the railroad track and the South bound I-35 frontage road. Under this proposed alternative a 13-ft high dam wall would be placed on Plum Creek near Kyle Center Drive.	Detention pond	864,000	1	0.37	2.04	0.20	1	0.19	2	1.07	0	0	0	0	0	0	0	0	10.90	1.09	1.51	1.51	No	0	0	50-year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	6.15	4.50	10.65	538
153000092	15	Risk Area 12 Fox Borough Drive	Los Fresnos	Project includes bypassing flow from inlet at PointLoma Drive and North Point Drive to the detention pond with 1 - 8'x4' RCB and Installing additional curb inlets on N. Point Drive and Silver Oak Circle.	Infrastructure	1,185,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.01	0	0	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.01	10.50	10.51	539
043000035	4	Sabine Flood Measurement Gages	Sabine River Authority	Install flood measurement gages in regionwide	Flood measure	737,148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	1.00	No	0	0	Unknown	0	<25% of project community affected	1	Life/injury risk percentage >40%	8	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	2.50	8.00	10.50	540
113000039	11	City of Wimberley Wilson Creek Green Acres Dr. Improvement	Wimberley	A proposed updated culvert geometry consists of 11 box culverts (10ft-12ft) and a raised finished deck elevation (3ft rise).	Infrastructure	1,246,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2.00	0.20	0.10	0.10	No	0	0	5-year	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.35	10.00	10.35	541
053000027	5	Ditch 505 Detention	Jefferson County Drainage District 6	The projcct consists of constructing a detention pond near the intersection of IH-10 and Hwy 365 to the southwest of Beaumont.	Detention pond	13,803,086	2	0.60	0.90	0.09	1	0.19	3	1.35	0	0	0	0	0	0	0	0	0	0	1.22	1.22	No	0	0	Unknown	2	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	5.28	5.00	10.28	542
063000473	6	Design and Construction of Little York Stormwater Detention Basin (2018 Bond Project C-37)	Harris County Flood Control District	This project includes three regional detention pond cells along Langham Creek within the Addicks Reservoir watershed to mitigate peak discharges expected with new development in the area.	Detention pond	2,553,000	5	0.97	9.26	0.93	5	0.49	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0.05	No	0	0	Unknown	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	6	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	2.51	7.50	10.01	543
153000038	15	NM-108	La Villa	Replace 10' x 6' RCB with a 48" RCP along Jackson Road crossing to increase conveyance of the ditch system.	Comprehensive	4,689,680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.01	0.10	0.10	No	0	2	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.26	9.75	10.01	544
013000019	1	China Creek	Wichita County	Installing staff gauges, flashers, and flood hazard signs to warn drivers of flooding, as well as guardrails and roadway lighting for drivers to be able to see better.	Preparedness	455,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	<50% annual	8	<25% of project community affected	1	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	10.00	10.00	545
043000018	4	Kilgore Downtown Storm Sewer Master Plan Improvements	Kilgore	Downtown Storm Sewer Improvements	Storm drain	2,238,252	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	0	0	0.01	0.01	No	0	0	Unknown	2	<25% of project community affected	1	0	0	SVI between 0.75-1.00 (high vulnerability)	10	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.60	9.25	9.85	546
153000016	15	Alton MDP - West Mile 5 Road and Louisiana Street Alternative 2	La Joya	Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trooper.	Infrastructure	1,866,360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.01	0	0	Yes	1	0	10	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.01	9.75	9.76	547
043000020	4	Parker Creek Maintenance	Marshall	Remove debris and clear channel South of Hwy 59 to Five Notch Rd	Channel	258,023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	Unknown	8	25%-50% of project community affected	4	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.25	9.50	9.75	548
073000024	7	McMillan Dam Rehabilitation	Lubbock County, Buffalo Springs	The McMillan Dam forms Buffalo Springs Lake and is currently hydraulically inadequate to pass the TCEQ regulated PMF. The dam needs to be rehabilitated to meet dam safety criteria and TCEQ compliance.	Dam	16,916,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	475PMF	4	25%-50% of project community affected	4	Life/injury risk percentage >50%	10	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.25	9.50	9.75	549
153000047	15	Wilson-Morgan Regional Detention Facility	Harlingen	A 22 acres regional detention pond is proposed.	Comprehensive	8,600,000	2	0.60	1.89	0.19	0	0	6	1.85	0	0	0	0	0	0	0	0	0	0	0	0	Yes	1	2	2	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	2.65	7.00	9.65	550

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
083001309	8	Bel-Air	Taylor	Proposed storm sewer system located along Bel-Air Drive, Dellinger Drive, and Randall Street that discharges into Bull Branch. Approximately 1,365 linear ft.	Storm drain	903,000	1	0.37	11.11	1.11	1	0.19	3	1.35	0	0	0	0	0	0	0	0	0	0	0	No	0	0	< 2-Year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	3.02	6.50	9.52	551
043000021	4	Turtle Creek Maintenance	Marshall	Remove debris and clear channel West of Hwy 59	Channel	504,464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	Unknown	0	25%-50% of project community affected	4	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	9.50	9.50	552
043000022	4	Upper Happy Hollow Drainage Improvement - City Park	Marshall	Improve Drainage Walls - Carter thru City Park.	Channel	981,076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	Unknown	0	25%-50% of project community affected	4	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	9.50	9.50	552
083000709	8	826 and 827 Vine Street Property Flooding	Bryan	Structural buyouts at the identified location.	Property acqui	600,000	2	0.60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	1.00	No	0	0	Unkown	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	3.10	6.25	9.35	554
033000108	3	CR-243 Drainage Improvements	Kaufman County	Proposed culvert upgrades and roadside drainage ditch improvements to reduce roadway overtopping along County Road 243.	Infrastructure	4,767,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.41	0.60	0	0	0.60	0.60	No	0	0	<2-yr	0	25%-50% of project community affected	0	Life/injury risk percentage >40%	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	2.10	7.25	9.35	555
013000028	1	Site 09-Hill & 46th	Randall County	Raise the road	LWC upgrade	2,373,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	10	50% annual	10	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	9.25	9.25	556
033000107	3	Plantation Ridge Channel Improvements	Kaufman County	Proposed 40' natural channel connecting Prairie Meadow and Helms Trail. Also includes significant improvements to culverts and new drainage ditches to prosect residential lots from offsite flooding.	Infrastructure	7,966,000	4	0.88	2.04	0.20	3	0.39	1	0.65	0	0	0	0	0	0	3.76	1.07	0	0	1.30	1.30	No	0	0	<2-yr	0	<25% of project community affected	0	Life/injury risk percentage >30%	0	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	6.45	2.75	9.20	557
093000010	9	Jal Draw, Proj. C	Midland	The proposed channel has a 250-foot top width for the entire length of the reach. There are two proposed crossings. The pipeline bank crossing is proposed to be fourteen (14) 10' x 6' RCBC's. The CR 1250 crossing is proposed to be fourteen (14) 10' x 6' *	Channel	33,365,000	0	0	0	0	0	0	0	0	0	0	0	0	3	1.18	0	0	10.00	1.00	0	0	No	0	0	5-year LOS	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.68	7.50	9.18	558
093000018	9	Midland Draw, Project D	Midland	The proposed channel has a 300-foot top width. There are three proposed crossings. The first crossing, at Midkiff Road, is proposed to be twelve (12) 10' x 6' RCBC's. The second crossing, at Mayfield Place, is proposed to be twelve (12) 10' x 6' RCBC's. *	Channel	28,762,000	0	0	0	0	0	0	0	0	0	0	0	0	3	1.18	0	0	10.00	1.00	0	0	No	0	0	100-year LOS	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.68	7.50	9.18	558
073000022	7	Knox City Drainage Improvements	Knox County	Roadside ditch rehabilitation and improved culvert crossing under Main Street. Includes improvements to primary drainage ditch along north side of city limits.	Infrastructure	1,793,000	4	0.88	1.72	0.17	1	0.19	2	1.07	0	0	0	0	0	0	8.20	1.48	0	0	0.10	0.10	No	0	0	< 2-YR	4	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	0	Project delivers benefits in only 1 wider benefit category	0	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	4.04	5.00	9.04	560
143000003	14	Small pond at San Elizario	San Elizario city	Construct a new 0.34 ac-ft pond to relieve roadway flooding. Described as Alternative 3 from City of San Elizario "Drainage Feasibility Study" (2018).	Detention pon	224,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	<20% annual c	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.75-1.00 (high vulnerability)	10	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (benefits in only 1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	8.50	8.50	561
083000855	8	Rabbs Bayou Detention	Fort Bend County	Proposal of regional detension basin.	Detention pon	8,699,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	6.22	1.33	0	0	0	0	No	0	0	10-year	4	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	1.91	6.25	8.16	562
073000015	7	Slaton Channels	Slaton	Regrading and Widening of Existing Channels Near Slaton Football Field	Channel	675,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.00	1.00	No	0	0	10-YR	6	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	0	Project delivers benefits in 4 or more wider benefit categories	0	Project will deliver a low level of environmental benefits (1 category)	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	2.50	5.50	8.00	563
093000019	9	Midland Draw, Project E	Midland	The proposed channel has a 300-foot top width for the entire reach. There are three proposed crossings, one is an existing crossing to be expanded. The first crossing, at a pipeline bank west of Garfield Street, is currently one (1) 10' x 5' RCBC and is*	Channel	13,600,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.00	1.00	0	0	No	0	0	5-year LOS	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project will deliver a low level of environmental benefits (1 category)	3	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.50	7.50	8.00	563
033000072	3	Elkins Lake Dam Rehabilitation	Dalworthington Gardens	Modify dam to pass required 75% PMF and meet TCEQ criteria. Addition of two 60-in diameter culverts to the existing spillway and widening of vegetated approach channel. Raise the crest of the dam to 569.3 ft.	Dam	1,705,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	>100-yr	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7	0.25	7.50	7.75	565
103000034	10	8 Low Water Crossings - Flood Warning System	Marble Falls	Install flood warning signals at 8 identified low water crossings that frequently overtop. Additional flow gauge installments.	Preparedness	220,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	25%-50% of project community affected	4	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	7.75	7.75	566
083001316	8	FM 929 Culverts	Gatesville	Construction of culvert and channel improvements.	LWC upgrade	1,535,000	14	1.40	0	0	14	0.71	42	3.29	0	0	0	0	0	0	0	0	0	0	0	0	No	0	10	Unknown	0	<25% of project community affected	0	Life/injury risk percentage <20%	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	-	0	5.40	2.25	7.65	567
113000006	11	City of Kyle Plum Creek Tributary 3 Arbor Knot Dr. Improvement	Kyle	A proposed culvert improvement has been developed to convey a 1% ACE event. The proposed culvert improvement is to add one additional 8ft x 4ft culvert totaling three culverts at this location, and raising the finished deck elevation by 0.5ft.	Infrastructure	557,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	1.00	0.10	0.10	0.10	No	0	0	10-year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.87	6.75	7.62	568

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
033000109	3	Valley View/Ravenhill-Devonshire Drainage Improvements	Kaufman County	Proposed culvert upgrades and grading improvements to reduce roadway overtopping along Valley View Road and Ranch Road near Ravenhill Road intersection.	Infrastructure	6,691,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.73	0.36	0	0	0.60	0.60	No	0	0	<10-yr	0	<25% of project community affected	0	Life/injury risk percentage >40%	0	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	1.86	5.75	7.61	569
113000061	11	City of Buda Lifschutz Headwaters Voluntary Buyout	Buda	Voluntary, targeted buyouts for 1 or more affected properties. (November 11, 2016 Preliminary Engineering Report)	Property acquisi	565,000	1	0.37	4.55	0.45	0	0	0	0	0	0	0	0	0	0	0	0	100.00	10.00	0.30	0.30	No	0	0	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	6.57	1.00	7.57	570
033000110	3	CR-4116 Drainage Improvements	Kaufman County	Proposed upgrades to roadway drainage ditches and culverts along CR4116 to reduce structural inundation on both sides of the road. Includes additional collection channels to direct flow around existing structures.	Infrastructure	8,019,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	0	<2-yr	0	<25% of project community affected	0	Life/injury risk percentage >20%	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	0.25	7.25	7.50	571
083001313	8	Leon WWTP Parapet Wall	Gatesville	Construction of ring parapet.	Comprehensive	642,000	3	0.76	0	0	0	0	9	2.15	1	1.06	0	0	0	0	0	0	0	0	0	0	No	0	2	Unknown	0	<25% of project community affected	0	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	-	0	3.97	3.50	7.47	572
073000016	7	Slaton Twin Lakes	Slaton	Raising Road Between Twin Lakes	LWC upgrade	1,952,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.30	0.30	No	0	10	2-YR	8	<25% of project community affected	1	Life/injury risk percentage >20%	4	SVI between 0.5-0.75 (moderate to high vulnerability)	0	Project delivers benefits in 3 wider benefit categories	0	Project will deliver a low level of environmental benefits (1 category)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	0.75	6.50	7.25	573
043000031	4	Bighead Creek Flooding - Roadway Improvements to Stone Road	Kilgore	Proposed drainage improvements near Bighead Creek	LWC upgrade	57,548,152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.17	No	0	10	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0.43	6.25	6.68	574
113000007	11	City of Kyle Plum Creek Tributary 4 Sledge Rd. Improvement	Kyle	The proposed culvert improvement resulted in eight (7ft x 4ft) box culverts, needed to clear the roadway and to alleviate additional backwater flooding.	Infrastructure	1,149,000	0	0	0	0	0	0	0	0	0	0	0	0	1	0.57	0	0	10.00	1.00	0.10	0.10	No	0	0	2-year	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	1.32	5.25	6.57	575
083001306	8	Mallard Lane	Taylor	Proposed storm drainage system located along Summit Circle, Kingston Circle, Mallard Lane, and Greenlawn Drive. Approximately 2,000 linear ft.	Storm drain	1,620,000	2	0.60	5.71	0.57	2	0.31	6	1.85	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	< 2-Year	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	3.34	3.00	6.34	576
103000037	10	Lady Bird Golf Course Low Water Crossing - Flood Warning System	Fredericksburg	Install FEWS with automatic gates & flashers	Preparedness	28,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	6.25	6.25	577
103000039	10	Windmill Oaks Subdivision - Flood Warning System	Fredericksburg	FNB proposes to install FEWS with automatic gates & flashers	Preparedness	28,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	6.25	6.25	577
103000054	10	Portable Electronic Signs	La Ward	Portable electronic signs	Preparedness	56,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	6.25	6.25	577
073000019	7	Treadway & 27th Improvements	Abilene	Proposed green detention ponds and additional culvert barrels to reduce flooding of intersection of 27th St and Treadaway.	Infrastructure	1,828,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28.00	2.80	0.10	0.10	No	0	0	<2-YR	6	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.5-0.75 (moderate to high vulnerability)	0	Project delivers benefits in 2 wider benefit categories	0	Project will deliver a moderate level of environmental benefits (2-3 categories)	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	0	1.65	4.50	6.15	580
063000124	6	City of Cleveland Floodplain Ordinance Update	Cleveland	Adopt a land use ordinance which requires any structure within the 100-year floodplain to be elevated 2 feet.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	6.00	6.00	581
083001315	8	SH 36 Culverts	Gatesville	Construction of 2 additional culverts at crossing.	LWC upgrade	328,000	1	0.37	0	0	1	0.19	3	1.35	0	0	0	0	0	0	0	0	0	0	0	0	No	0	10	Unknown	0	<25% of project community affected	0	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	-	0	1.91	3.75	5.66	582
083001307	8	TH Johnson	Taylor	Proposed channel located south of TH Johnson Drive and discharging into Bull Branch, including approximately 500 feet of new concrete channel, and the installation of 3 RCB culverts at Crystal Circle	Channel	489,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	< 2-Year	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project will deliver a low level of environmental benefits (1 category)	3	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583
103000041	10	City of Eagle Lake Water Plan Backup Generator	Eagle Lake	Retrofit plant with backup generator	Preparedness	826,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583
103000044	10	Emergency Management System Backup Generators	Edna	Purchase/install 30 kW generator to maintain government	Preparedness	89,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583
103000045	10	City of Edna Safe Room Backup Generator	Edna	Purchase/install 100 kW generator to for Community Safe Room (triage center)	Preparedness	150,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583
103000046	10	City of Edna Sewer Lift Station Backup Generator	Edna	Purchase/install 30 kW generator to maintain WWTP	Preparedness	89,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
103000047	10	City of Ganado Sewer Lift Station Backup Generator	Ganado	Emergency generators for sewer lift stations	Preparedness	89,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583
103000048	10	Jackson County Courthouse Backup Generator	Jackson County	Purchase generator for courthouse	Preparedness	89,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583
103000050	10	City of Edna Hospital Backup Generator	Edna	Purchase permanent back-up generator for hospital	Preparedness	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	5.25	5.25	583
143000009	14	Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	Hudspeth County	Coordinate with Hudspeth County Commissioners, Road & Bridge Departments, Safety & Inspection Departments, & County Attorney to draft a floodplain ordinance (or modify existing subdivision ordinance) to regulate development standards in Hudspeth County.	Other	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	Unknown	0	<Null>	0	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Not applicable, non-structural FMP (regulatory)	0	Project will deliver a moderate level of environmental benefits (benefits in 2-3 categories)	6	<Null>	0	0	5.00	5.00	591
103000033	10	S Bowie Low Water Crossing - Flood Warning System	Fredericksburg	Install FEWS with automatic gates & flashers	Preparedness	28,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.75	4.75	592
103000038	10	W Travis Low Water Crossing - Flood Warning System	Fredericksburg	Install FEWS with automatic gates & flashers	Preparedness	28,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.75	4.75	592
103000040	10	Red Bud Trail - Flood Warning System	West Lake Hills	Install automatic warning system for Ullrich Water Treatment Plant	Preparedness	28,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.75	4.75	592
103000051	10	Various Streets - Flood Warning System	Menard	Purchase flood early warning system	Preparedness	310,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.75	4.75	592
063000132	6	City of Manvel GIS Database Improvements	Manvel	Improve GIS database to include repetitive loss properties areas and flooded structure data. Data to be used for future drainage infrastructure planning and to provide outreach and emergency services to residents in substantial risk zones.	Preparedness	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	4.50	4.50	596
063000136	6	Brazoria County NFIP Technical Material	Brazoria County	Place copies of FEMA Flood-related technical bulletins in County libraries.	Other	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	0	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	4.50	4.50	596
063000152	6	City of Galveston Land Use Mapping	Galveston	Develop proposed land use mapping to allow easier consideration of hazards.	Preparedness	11,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	Varies by Roa	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	4.50	4.50	596
113000015	11	City of San Marcos Improve Flood Warning Systems	San Marcos	Enhancing stream flow gage network by increasing number of gages throughout community by at least six	Preparedness	339,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.00	4.00	599
113000052	11	Kerr County Back-up Power Generators	Kerr County	Installing generators at critical facilities will help ensure physical safety for facility occupants and maintain electronic systems functionality during power outages. Portable generators will maintain additional systems functionality	Preparedness	806,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.00	4.00	599
113000060	11	City of Victoria Back-up Power Generators	Victoria	Install emergency generators and quick connects on all buildings, critical infrastructure, and government buildings.	Preparedness	551,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.00	4.00	599
113000062	11	City of Nixon Wastewater System Flood Improvements	Nixon	The project includes a new generator and SCADA system improvements at the city's WWTP and Water Well 6 and alleviates inundation at the WWTP and 8th lift stations.	Comprehensive	3,949,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	2	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.00	4.00	599
113000063	11	City of San Marcos Emergency Generators	San Marcos	Purchase and installation of generators for temporary sheltering efforts in all public facilities capable of housing citizens.	Preparedness	58,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.00	4.00	599
113000064	11	Victoria County Emergency Generators	Victoria County	Install emergency generators at critical facilities.	Preparedness	551,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	4.00	4.00	599
083001314	8	Arrowood Lane Culvert	Gatesville	Construction of arch culvert and channel improvements.	LWC upgrade	776,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	10	Unknown	0	<25% of project community affected	0	Life/injury risk percentage <20%	0	SVI between 0.5-0.75 (moderate to high vulnerability)	7	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	-	0	0	3.75	3.75	605
103000042	10	Beasley City Hall Backup Generator	Burnet	Emergency generator for VFW	Preparedness	83,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	3.75	3.75	605
103000043	10	Beasley City Fire Department Backup Generator	Beasley	Emergency generator for Fire Department	Preparedness	83,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	2	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	3.75	3.75	605

ID	Region	Flood mitigation project name	Sponsor	Description	Type	Estimated cost ($)	Removed structures raw	ArcSinh (weighted) removed structures	Percent of structures removed (Calculated)	Weighted, percent of structures removed (0-10)	Removed Res Structures Raw	ArcSinh (weighted) Res Structures Removed	Removed Population Raw	ArcSinh (weighted) Removed Population	Removed Critical Facilities Raw	ArcSinh (weighted) Removed Crit facilities	Removed LWC Raw	ArcSinh (weighted) Removed LWC	Removed Road Miles Raw	ArcSinh (weighted) Removed Road Miles	Ag Removed Raw	ArcSinh (weighted) Ag Removed	% Nature-Based Raw	% NBS, Normalized (0-10)	BCA Raw	BCA Score	Water Supply Raw	Water Supply Score	FMP Type Score	Pre-Project Ave Depth	Score 1	Community Need	Score 2	Life and Safety	Score 6	Social Vulnerability	Score 8	Multiple Benefit	Score 10	Environmental Benefit	Score 13	Mobility	Score 15	Subtotal Reported Data Weighted Score	Subtotal Project Details Weighted Score	Total Score	Rank
032000075	3	Village Creek (Dobson St (CR 714)) Safety Improvements	Burleson	Implement safety improvements including automatic closure gates with flashers on the north and south side of the floodplain, flood hazard signs and staff gauges at CR 714 along Village Creek in Burleson.	Preparedness	273,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	<2-yr	2	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	3.25	3.25	608
103000052	10	Jonestown Flood Warning System	Jonestown	Floodplain early warning system and local response plan	Preparedness	54,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	3	<25% of project community affected	1	Life/injury risk percentage <20%	2	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	3.25	3.25	608
063000139	6	City of Clear Lake Shores - Implement Stormwater Management Practices	Clear Lake Shores	The Stormwater management plan is focused on six minimum measures regarding what is being done to prevent stormwater pollution. Annual reporting and renewals are required to ensure compliance is met.	Preparedness	109,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	Unknown	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	0	3.00	3.00	610
113000035	11	City of Seguin Guadalupe Street Automatic Flood Gates	Seguin	Place automatic flood gates with vehicle detection on inside of flooded area to allow for egress.	Preparedness	115,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	2.50	2.50	611
113000089	11	Kendall County Cypress Creek FEWS Siren System	Kendall County	This project involves the installation of a siren system on a tower/pole located in the Cypress Creek watershed in Kendall County. Installation would include the siren components as well as power and telecomm connections.	Preparedness	20,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	NULL	0	<25% of project community affected	1	<Null>	0	SVI between 0.25-0.5 (low to moderate vulnerability)	4	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	2.50	2.50	611
113000041	11	City of Woodcreek Improvements to Brookside Drive Culvert Crossing	Woodcreek	The culvert opening will be increased to three 36" concrete pipes to match the culvert capacity just downstream at Brook Meadow Dr. and also involve some minimal re-grading of the stream flowline.	LWC upgrade	38,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10	0.10	No	0	10	2-year	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in 2 wider benefit categories	4	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.25	2.00	2.25	613
103000053	10	Steiner Ranch WWTP Backup Generator	Briarcliff	Purchase stand-by generator for WWTP	Preparedness	809,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	0	4	N/A	3	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project delivers benefits in only 1 wider benefit category	1	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0	2.25	2.25	614
113000042	11	City of Woodcreek Brookhollow Drive Drainage Improvements	Woodcreek	The proposed alternative consists of a rip rap ditch along the south side of Brookmeadow Drive, under Overbrook Court and down to Hog Creek. The capacity of the ditch would be enough to hold the most frequent flows	LWC upgrade	65,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.50	0.15	0.01	0.01	No	0	10	2-year	0	<25% of project community affected	1	<Null>	0	SVI between 0.01-0.25 (low vulnerability)	1	Project does not deliver any wider benefits	0	Project does not provide any environmental benefits	0	Project provides no change to major, minor, or emergency access routes in the project area.	0	0.10	1.00	1.10	615

Appendix B.3 Flood management strategies (FMS) with non-recurring, non-capital costs rankings

Flood management strategy (FMS) ranking criteria			Weighted value	Max values for score normalization
Reported data from FMS GIS feature classes	1	Estimated structures at 1 percent (100-year) flood risk (#)	10.0%	175,000
	2	Estimated population at 1 percent (100-year) flood risk (#)	10.0%	600,000
	3	Critical facilities at 1 percent (100-year) flood risk (#)	10.0%	2,500
	4	Low water crossings at flood risk (#)	10.0%	1,000
	5	Estimated road closures (#)	5.0%	7,500
	6	Estimated road miles at 1 percent (100-year) flood risk	10.0%	6,000
	7	Estimated farm & ranch land at 1 percent (100-year) flood risk (acres)	5.0%	2,500,000
	8	Structures removed from 1 percent (100-year) floodplain (#)	10.0%	9,500
	9	Residential structures removed from 1 percent (100-year) floodplain (#)	5.0%	2,550
	10	Estimated population removed from 1 percent (100-year) floodplain (#)	10.0%	35,000
	11	Percent nature-based solution (by cost)	7.5%	100
	12	Water supply benefit (Y/N)	5.0%	
	13	FMS project type (10 points) Flood measurement and warning (8 points) Regulatory and guidance (6 points) Education and outreach (4 points) Property acquisition and structural elevation (4 points) Infrastructure projects (2 points) Other	2.5%	
		Total	**100.0%**	

Note: Data utilized for generating this draft ranking for the state flood plan is from the adopted amended regional flood plans approved by the TWDB in March 2024.

Appendix B.3 Recommended flood management strategies (FMS) with non-recurring, non-capital costs rankings

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ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
062000015	6	Develop Applicable Plans and Studies to Address Hazard Mitigation in Galveston County	Galveston County	Review planning needs annually to include, but not be limited to, CEMP, debris management, stormwater management, master plan, drainage, drought, GIS mapping, complete study to locate areas prone to expansive soils and land subsidence, etc.	Regulatory and guidance	5,000	100,000	48,566	9.00	102,742	8.74	680	8.47	30	5.39	30	2.13	910	7.99	3,412.44	2.86	0	0	0	0	0	0	0	0	No	0	8	46.58	32
112000187	11	Property Acquisitions and Structural Elevation	Guadalupe Regional Flood Planning Group	Develop and implement a voluntary buyout or structural elevation assistance programs to eliminate repetitive loss structures and implementing programs to purchase/preserve open space to protect riparian corridors.	Property acquisition and structural elevation	1,250,000	1,250,000	27,069	8.54	62,638	8.39	136	6.58	661	9.46	0	0	935	8.02	360,251.31	4.37	0	0	0	0	0	0	0	0	No	0	4	46.35	33
112000190	11	Infrastructure Projects	Guadalupe Regional Flood Planning Group	Develop programs to preserve system functionality (storm drains, culverts, bridges); enhance riparian corridors & preserve floodplain capacity; and infrastructure improvements programs that identify and prioritize flood risk reduction projects	Infrastructure projects	2,000,000	21,611,000	27,069	8.54	62,638	8.39	136	6.58	661	9.46	0	0	935	8.02	360,251.31	4.37	0	0	0	0	0	0	0	0	No	0	4	46.35	33
152000034	15	Hidalgo County #12-1.1	Hidalgo County	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Flood measurement and warning	1,000	100,000	167,224	9.96	569,558	9.96	62	5.66	16	4.56	0	0	3,065	9.28	338,728.97	4.35	0	0	0	0	0	0	0	0	No	0	10	46.28	35
152000035	15	Hidalgo County #14-1.1	Hidalgo County	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	100,000	167,224	9.96	569,558	9.96	62	5.66	16	4.56	0	0	3,065	9.28	338,728.97	4.35	0	0	0	0	0	0	0	0	No	0	10	46.28	35
152000036	15	Hidalgo County #2-2.1	Hidalgo County	Incorporate Assessments of Hazards, Including Hurricane, Flood, Wild Land Fires, And Severe Storms, Into Site Selection And Design For New Buildings And When Siting Or Leasing County Facilities	Flood measurement and warning	1,000	25,000	167,224	9.96	569,558	9.96	62	5.66	16	4.56	0	0	3,065	9.28	338,728.97	4.35	0	0	0	0	0	0	0	0	No	0	10	46.28	35
032000097	3	Dallas County Open Space System Program and Dallas Trails Program	Dallas County	Adopt and implement Dallas County Open Space System Program and Dallas Trails Program.	Other	500,000	5,000,000	22,225	8.38	181,697	9.15	18	4.21	22	4.98	0	0	791	7.84	31,557.68	3.58	0	0	0	0	0	0	0	100	7.5	No	0	2	46.14	38
062000018	6	Galveston County-wide Education and Outreach	Galveston County	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	Education and Outreach	2,500	50,000	48,564	9.00	102,735	8.74	680	8.47	30	5.39	30	2.13	910	7.99	3,414.69	2.86	0	0	0	0	0	0	0	0	No	0	6	46.08	39
092000112	9	Howard County NFIP Application	Howard County	Application to join the NFIP	Other	5,000	30,000	1,372	6.20	3,981	6.42	1	1.03	20	4.85	0	0	196	6.36	35,444.84	3.62	343	6.63	165	3.40	1,248	7.01	0	0	No	0	2	46.02	40
092000113	9	Howard County DCM	Howard County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	1,372	6.20	3,981	6.42	1	1.03	20	4.85	0	0	196	6.36	35,444.84	3.62	343	6.63	165	3.40	1,248	7.01	0	0	No	0	2	46.02	40
152000033	15	Hidalgo County #11-1.2	Hidalgo County	Develop a An Inspection, Maintenance, And Enforcement Program To Ensure Continued Structural Integrity of Dams And Levees.	Regulatory and guidance	1,000	10,000	167,224	9.96	569,558	9.96	62	5.66	16	4.56	0	0	3,065	9.28	338,728.97	4.35	0	0	0	0	0	0	0	0	No	0	8	45.78	42
092000029	9	Gaines County NFIP Application	Andrews County	Application to join the NFIP.	Other	5,000	30,000	1,890	6.45	2,679	6.13	1	1.03	5	3.04	0	0	434	7.20	145,295.47	4.08	473	6.96	203	3.52	996	6.81	0	0	No	0	2	45.73	43
092000109	9	Gaines County DCM	Gaines County	Outreach Program: Discuss Drainage Criteria Manual	Other	75,000	100,000	1,890	6.45	2,679	6.13	1	1.03	5	3.04	0	0	434	7.20	145,295.47	4.08	473	6.96	203	3.52	996	6.81	0	0	No	0	2	45.73	43
152000083	15	Cameron County - Flood Warning System, planning, operation & maintenance	Cameron	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	96,099	9.53	310,632	9.53	34	4.95	2	1.90	1741	4.24	1,956	8.81	212,333.75	4.20	0	0	0	0	0	0	0	0	No	0	10	45.66	45
022000084	2	Regional Flood Warning System Study	Ark - Tex Council of Governments	Evaluate the potential for future flood warning systems in the region	Flood measurement and warning	250,000	250,000	13,438	7.99	51,360	8.24	159	6.77	116	7.17	0	0	1,924	8.79	180,986.31	4.15	0	0	0	0	0	0	0	0	No	0	10	45.60	46
062000055	6	Liberty County Floodplain Acquistion	Liberty County	Acquisition of property in the floodplain.	Property acquisition and structural elevation	75,000	750,000	48,570	9.00	102,755	8.74	681	8.47	30	5.39	30	2.13	910	7.99	3,412.02	2.86	0	0	0	0	0	0	0	0	No	0	4	45.58	47
062000025	6	Galveston County Stormproof/Retrofit Infrastructure	Galveston County	Stormproof/retrofit critical facilities and infrastructure for county-owned properties and unincorporated areas.	Infrastructure projects	250,000	5,000,000	48,564	9.00	102,739	8.74	680	8.47	30	5.39	30	2.13	909	7.99	3,415.79	2.86	0	0	0	0	0	0	0	0	No	0	4	45.58	48
042000052	4	Sabine Flood Measurement Gages	Sabine River Authority	Install flood measurement gages in Upper Sabine Basin	Flood measurement and warning	50,000	800,100	12,591	7.94	32,146	7.91	88	6.07	67	6.44	67	2.55	877	7.95	170,165.61	4.13	0	0	0	0	0	0	0	0	No	0	10	45.49	49
152000037	15	Hidalgo County #3-1.2	Hidalgo County	Enhance The Appropriate Websites To Provide Convenient Access To Most Current Hazard Maps.	Education and Outreach	1,000	50,000	167,224	9.96	569,558	9.96	62	5.66	16	4.56	0	0	3,065	9.28	338,728.97	4.35	0	0	0	0	0	0	0	0	No	0	6	45.28	50
022000083	2	Creation of Region Wide Stormwater Management Manual	Ark - Tex Council of Governments	Creation of stormwater management manual and assistance to Region 2 communities for adoption.	Regulatory and guidance	500,000	500,000	13,438	7.99	51,360	8.24	159	6.77	116	7.17	0	0	1,924	8.79	180,986.31	4.15	0	0	0	0	0	0	0	0	No	0	8	45.10	51
022000080	2	Turn Around/Don't Drown	Ark - Tex Council of Governments	Educate the public on the Turn-Around/Don't Drown program	Education and Outreach	100,000	100,000	13,438	7.99	51,360	8.24	159	6.77	116	7.17	0	0	1,924	8.79	180,986.31	4.15	0	0	0	0	0	0	0	0	No	0	6	44.60	52
022000082	2	Public NFIP Education	Ark - Tex Council of Governments	Educate the public on the NFIP program and the importance of purchasing flood insurance	Education and Outreach	100,000	100,000	13,438	7.99	51,360	8.24	159	6.77	116	7.17	0	0	1,924	8.79	180,986.31	4.15	0	0	0	0	0	0	0	0	No	0	6	44.60	52
092000032	9	Martin County NFIP Application	Andrews County	Application to join the NFIP.	Other	5,000	30,000	902	5.87	2,015	5.93	3	2.14	5	3.04	0	0	229	6.52	55,702.27	3.77	226	6.21	112	3.17	728	6.53	0	0	No	0	2	43.67	54
092000116	9	Martin County DCM	Martin County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	902	5.87	2,015	5.93	3	2.14	5	3.04	0	0	229	6.52	55,702.27	3.77	226	6.21	112	3.17	728	6.53	0	0	No	0	2	43.67	54
042000010	4	Orange County Drainage District Additional Gages And Warning Systems	Orange County Drainage District	Incorporation of additional rain gauges and flood sensors throughout jurisdiction.	Flood measurement and warning	100,000	200,000	16,974	8.17	26,881	7.78	276	7.41	22	4.98	22	1.97	364	7.02	17,171.21	3.39	0	0	0	0	0	0	0	0	No	0	10	43.22	56
042000003	4	Orange County Drainage District Flood Warning System	Orange County	Improvement of existing flood warning system	Flood measurement and warning	150,000	150,000	16,974	8.17	26,881	7.78	276	7.41	22	4.98	22	1.97	364	7.02	17,171.20	3.39	0	0	0	0	0	0	0	0	No	0	10	43.22	57
042000059	4	City of Kilgore Property Acquisition	Kilgore	Implementation of program to purchase properties and repetitive loss homes in floodplain areas to reserve them from development.	Property acquisition and structural elevation	50,000	64,351,368	517	5.44	1,305	5.62	3	2.14	3	2.39	3	0.95	45	4.79	3,000.08	2.82	22	3.84	22	2.22	75	4.49	100	7.5	No	0	4	43.19	58
012000060	1	Wichita County Ordinance Development	Wichita County	Update subdivision ordiance for enhanced consideration for floodplain management	Regulatory and guidance	100,000	100,000	3,986	7.04	10,515	7.11	72	5.84	174	7.70	267	3.27	193	6.34	49,700.41	3.73	0	0	0	0	0	0	0	0	No	0	8	43.02	59
032000134	3	City of Dallas Buyout of Repetitive Loss Properties	Dallas	Develop a buyout program for repetitive loss properties within the city.	Regulatory and guidance	5,000,000	50,000,000	11,792	7.89	89,527	8.64	64	5.70	299	8.41	0	0	444	7.23	7,391.49	3.11	0	0	0	0	0	0	0	0	No	0	8	42.98	60
042000001	4	Orange County Drainage District Design Criteria	Orange County	Update Design Criteria	Regulatory and guidance	50,000	50,000	16,974	8.17	26,881	7.78	276	7.41	22	4.98	22	1.97	364	7.02	17,171.20	3.39	0	0	0	0	0	0	0	0	No	0	8	42.72	61
052000053	5	Jefferson County Property Elevation	Jefferson County	FIF Application; aimed to elevate houses within county subject to inundation from flooding.	Property acquisition and structural elevation	500,000	1,110,000	12,869	7.96	40,765	8.08	316	7.57	22	4.98	22	1.97	474	7.30	33,019.38	3.60	0	0	0	0	0	0	0	0	No	0	4	42.45	62
122000010	12	Development of a Streamscaping Program for Flood Risk Management in Texas	San Antonio River Authority	Increase the number of public outreach and education activities to improve awareness of flood hazards and benefits of flood planning in the Flood Planning Region. Promote nature-based solution training	Education and Outreach	129,000	129,000	7,156	7.50	41,778	8.10	73	5.85	78	6.64	1237	4.06	194	6.35	956.45	2.45	0	0	0	0	0	0	0	0	No	0	6	42.45	63
092000010	9	Scurry County Stormwater Channel Maintenance Program	Borden County	Retain and maintain natural vegetation in stormwater channels	Other	5,000	30,000	606	5.56	1,754	5.83	1	1.03	10	3.94	0	0	76	5.35	11,692.57	3.26	152	5.80	81	2.98	537	6.26	25	1.875	No	0	2	42.40	64
032000061	3	Cooke County Acquisition of Repetitive Loss and Damaged Properties	Cooke County	Purchase and removal of damaged homes that are located in the floodplain. Buyout of repetitive flood loss properties in the Wilson Court area.	Property acquisition and structural elevation	500,000	5,000,000	1,328	6.18	2,077	5.95	6	2.93	32	5.47	0	0	81	5.42	40,878.87	3.67	30	4.16	30	2.40	90	4.65	0	0	No	0	4	41.82	65
042000004	4	Orange County Detention Ponds Throughout County	Orange County	Series of detention ponds to prevent flooding along IH 10, Hwy 12, Hwy 62, and Hwy 87 – the County's evacuation routes.	Infrastructure projects	500,000	44,000,000	16,974	8.17	26,881	7.78	276	7.41	22	4.98	22	1.97	364	7.02	17,171.20	3.39	0	0	0	0	0	0	0	0	No	0	4	41.72	66
052000045	5	Hardin County Voluntary Flood Buyout	Hardin County	Voluntary flood buyouts.	Property acquisition and structural elevation	90,000	4,000,000	3,678	6.97	10,528	7.11	25	4.59	13	4.29	13	1.69	136	5.97	743.24	2.37	0	0	0	0	0	0	100	7.5	No	0	4	41.50	67
042000008	4	Orange County Emergency Response Staging Area	Orange County Drainage District	Staging Area and "lily pads" for use during disaster events.	Other	10,000	10,000	16,974	8.17	26,881	7.78	276	7.41	22	4.98	22	1.97	364	7.02	17,171.21	3.39	0	0	0	0	0	0	0	0	No	0	2	41.22	68
032000038	3	Kaufman County Regulation Standards to Protect Open Space Flood-Prone Areas	Kaufman County	Conduct program in conjunction with local communities to incorporate regulatory standards to protect open space flood-prone areas	Regulatory and guidance	100,000	100,000	2,086	6.53	4,193	6.45	13	3.83	16	4.56	0	0	148	6.06	88,117.98	3.92	0	0	0	0	0	0	100	7.5	No	0	8	40.85	69
092000007	9	Scurry County Ordinance Update SFHA	Borden County	Increase freeboard requirements for structures in the SFHA; adopt a ""no-rise"" in BFE in the 100-year floodplain.	Other	75,000	100,000	606	5.56	1,754	5.83	1	1.03	10	3.94	0	0	76	5.35	11,692.57	3.26	152	5.80	81	2.98	537	6.26	0	0	No	0	2	40.52	70
092000016	9	Scurry County NFIP Application	Borden County	Application to join NFIP	Other	5,000	30,000	606	5.56	1,754	5.83	1	1.03	10	3.94	0	0	76	5.35	11,692.57	3.26	152	5.80	81	2.98	537	6.26	0	0	No	0	2	40.52	70
092000096	9	Scurry County New Development Criteria	Borden County	Require new public buildings to be sited on low risk parcels.	Other	5,000	30,000	606	5.56	1,754	5.83	1	1.03	10	3.94	0	0	76	5.35	11,692.49	3.26	152	5.80	81	2.98	537	6.26	0	0	No	0	2	40.52	72
092000097	9	Scurry County Flood Awareness Program	Borden County	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages	Other	5,000	30,000	606	5.56	1,754	5.83	1	1.03	10	3.94	0	0	76	5.35	11,692.49	3.26	152	5.80	81	2.98	537	6.26	0	0	No	0	2	40.52	72
092000034	9	Terry County DCM	Dawson County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	499	5.41	1,052	5.47	0	0	6	3.28	0	0	634	7.61	84,143.86	3.90	125	5.60	45	2.64	398	5.99	0	0	No	0	2	40.39	74
092000001	9	Andrews County DCM	Andrews County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	959	5.92	1,463	5.70	0	0	3	2.39	0	0	173	6.22	7,785.77	3.13	240	6.27	190	3.48	558	6.29	0	0	No	0	2	39.90	75
092000018	9	Andrews County NFIP Application	Andrews County	Application to join the NFIP.	Other	5,000	30,000	959	5.92	1,463	5.70	0	0	3	2.39	0	0	173	6.22	7,785.77	3.13	240	6.27	190	3.48	558	6.29	0	0	No	0	2	39.90	75
092000006	9	Mitchell County DCM	Borden County	Incorporate higher standards for hazard resistance in local application of the building code.	Other	75,000	100,000	344	5.12	737	5.21	2	1.69	11	4.07	0	0	108	5.72	16,713.84	3.38	86	5.22	51	2.71	237	5.52	0	0	No	0	2	39.15	77
092000008	9	Mitchell County Flood Insurance Policy Program	Borden County	Undertake an initiative to increase the number of flood insurance policies.	Other	5,000	30,000	344	5.12	737	5.21	2	1.69	11	4.07	0	0	108	5.72	16,713.84	3.38	86	5.22	51	2.71	237	5.52	0	0	No	0	2	39.15	77
092000009	9	Mitchell County Early Warning System	Borden County	Purchase and install a flood early warning system along flood-prone waterways in unincorporated areas of the county.	Other	5,000	30,000	344	5.12	737	5.21	2	1.69	11	4.07	0	0	108	5.72	16,713.84	3.38	86	5.22	51	2.71	237	5.52	0	0	No	0	2	39.15	77

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures raw	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized) raw	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalizatio n of select criteria)	Rank (with ArcSinh normalizatio n of select criteria)
132000042	13	San Patricio County Dam Failure Education Program	San Patricio County	San Patricio County Hazard Mitigation Action Plan - San Patricio County, Action #5: Develop and implement a dam failure hazard education program to provide information on the potential for dam failure and the areas at greatest risk.	Education and Outreach	50,000	50,000	5,577	7.30	10,683	7.12	23	4.50	13	4.29	913	3.90	288	6.77	30,916.99	3.58	0	0	0	0	0	0	0	0	No	0	6	38.95	80
052000043	5	Angelina County Property Acquisition	Angelina County	Acquire repetitive loss properties.	Property acquisition and structural elevation	500,000	2,100,000	1,201	6.10	8,420	6.95	11	3.63	19	4.79	19	1.89	66	5.20	165.36	1.88	0	0	0	0	0	0	100	7.5	No	0	4	38.94	81
032000138	3	City of Fort Worth Open Space Conservation	Fort Worth	Acquire open space to preserve floodplains and upland watershed areas.	Property acquisition and structural elevation	3,000,000	30,000,000	5,921	7.35	27,286	7.79	1	1.03	15	4.48	0	0	185	6.30	7,266.13	3.11	0	0	0	0	0	0	100	7.5	No	0	4	38.55	82
132000041	13	Bee County Emergency Warning System	Bee County, Beeville	COASTAL BEND MITIGATION ACTION PLAN - BE - 05: Emergency Warning and Public Information System, Bee County and the City of Beeville's capacity to communicate warnings and emergency information to residents is limited to a siren in Beeville's city limits.	Flood measurement and warning	250,000	250,000	1,617	6.33	6,275	6.74	27	4.68	34	5.55	399	3.47	113	5.77	10,462.88	3.22	0	0	0	0	0	0	0	0	No	0	10	38.28	83
092000035	9	Yoakum County NFIP Application	Gaines County	Application to join NFIP.	Other	5,000	30,000	543	5.48	799	5.27	0	0	2	1.90	0	0	292	6.78	63,670.60	3.81	136	5.69	65	2.85	328	5.81	0	0	No	0	2	38.09	84
092000128	9	Yoakum County DCM	Yoakum County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	543	5.48	799	5.27	0	0	2	1.90	0	0	292	6.78	63,670.60	3.81	136	5.69	65	2.85	328	5.81	0	0	No	0	2	38.09	84
072000060	7	Taylor County Gauge/Flood Barrier Program	Taylor County	Install automated creek rain gauges and automated barriers for flooded roadways.	Flood measurement and warning	150,000	150,000	11,167	7.84	25,896	7.75	11	3.63	72	6.54	0	0	245	6.59	7,516.34	3.12	0	0	0	0	0	0	0	0	No	0	10	37.98	86
092000015	9	Dawson County NFIP Application	Borden County	Application to join NFIP	Other	5,000	30,000	474	5.37	710	5.19	0	0	9	3.81	0	0	538	7.43	76,212.73	3.87	119	5.55	2	0.85	205	5.39	0	0	No	0	2	37.95	87
092000028	9	Dawson County DCM	Borden County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	474	5.37	710	5.19	0	0	9	3.81	0	0	538	7.43	76,212.73	3.87	119	5.55	2	0.85	205	5.39	0	0	No	0	2	37.95	87
152000082	15	City of Brownsville - Flood Warning System, planning, operation & maintenance	Brownsville	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	38,722	8.82	157,389	9.04	6	2.93	0	0	479	3.57	620	7.58	16,278.69	3.37	0	0	0	0	0	0	0	0	No	0	10	37.81	89
132000037	13	Citywide Stormwater System Inspection	Corpus Christi	Inspect the City's storm water infrastructure to determine needed repairs.	Other	250,000	250,000	18,577	8.24	61,330	8.37	114	6.37	0	0	2089	4.34	375	7.05	3,908.27	2.91	0	0	0	0	0	0	0	0	No	0	2	37.78	90
132000036	13	Jim Wells County Flood Warning System	Jim Wells County	A county wide flood warning system	Flood measurement and warning	250,000	250,000	2,398	6.64	8,685	6.97	9	3.40	13	4.29	624	3.71	201	6.38	25,815.62	3.52	0	0	0	0	0	0	0	0	No	0	10	37.41	91
132000030	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Mandate Freeboard on Structures to Reduce Flooding Damage	Jim Wells County	Jim Wells County will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses in order to produce a new ordinance, update its existing flood damage prevention ordinance, and / or update its zoning code.	Regulatory and guidance	200,000	200,000	2,398	6.64	8,685	6.97	9	3.40	13	4.29	624	3.71	201	6.38	25,815.62	3.52	0	0	0	0	0	0	0	0	No	0	8	36.91	92
072000004	7	City of Abilene Creek Gauge Program	Abilene	Install automated creek rain gauges and automated barriers for flooded road ways.	Flood measurement and warning	175,000	175,000	10,861	7.82	25,333	7.74	10	3.52	58	6.25	0	0	218	6.47	1,234.78	2.53	0	0	0	0	0	0	0	0	No	0	10	36.84	93
032000060	3	Collin County Property and Structures Buyout Program	Collin County	Develop and implement a buyout program for personal properties and structures located in the floodplain	Regulatory and guidance	500,000	5,000,000	2,842	6.77	17,576	7.48	26	4.64	55	6.18	0	0	146	6.04	34,153.61	3.61	0	0	0	0	0	0	0	0	No	0	8	36.73	94
042000053	4	Hunt County Flood Warning and Public Safety	Hunt County	Adopt and Promote the program of "Turn Around Don't Drown Campaign." Implement early warning program.	Flood measurement and warning	250,000	250,000	2,392	6.64	6,455	6.76	45	5.28	10	3.94	10	1.56	143	6.02	33,759.33	3.60	0	0	0	0	0	0	0	0	No	0	10	36.31	95
062000056	6	City of Galveston Floodplain Manager Increase	Galveston	Increase and maintain number of floodplain managers in the building division through training and certification.	Regulatory and guidance	500	10,000	21,858	8.37	64,300	8.40	509	8.13	0	0	0	0	409	7.14	260.88	2.03	0	0	0	0	0	0	0	0	No	0	8	36.08	96
032000069	3	Tarrant County Property Acquisition Program	Tarrant County	Create a Buyout Program for Repetitive Loss Properties	Regulatory and guidance	500,000	5,000,000	14,853	8.07	78,224	8.54	11	3.63	5	3.04	0	0	468	7.28	20,062.70	3.44	0	0	0	0	0	0	0	0	No	0	8	36.01	97
032000003	3	Addition of Low Water Crossing Signs and Gates - City of Irving	Irving	Identify and add low water crossing signs and gates to low water crossing areas as described in The Road to The Future Report.	Flood measurement and warning	25,000	250,000	4,589	7.15	40,893	8.08	31	4.85	29	5.34	0	0	84	5.46	1,387.41	2.57	0	0	0	0	0	0	0	0	No	0	10	35.94	98
072000005	7	City of Abilene Turn Around, Don't Drown	Abilene	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	Education and Outreach	50,000	50,000	10,861	7.82	25,333	7.74	10	3.52	58	6.25	0	0	218	6.47	1,234.78	2.53	0	0	0	0	0	0	0	0	No	0	6	35.84	99
052000125	5	OCDD Flood Infrastructure Improvements	Orange County Drainage District	Support regional efforts to plan, design, and construct large scale flood control / storm surge protection improvements	Infrastructure projects	200,000	3,000,000	5,007	7.22	11,929	7.20	36	5.02	20	4.85	20	1.92	136	5.97	346.02	2.12	0	0	0	0	0	0	0	0	No	0	4	35.30	100
062000034	6	Brazoria County Dam and Levee Failure Outreach and Education campaign	Brazoria County	Implement an outreach and education campaign to educate the public on mitigation techniques for dam and levee failure to reduce loss of life and property.	Education and Outreach	1,000	20,000	18,848	8.25	38,626	8.04	248	7.29	0	0	0	0	328	6.91	8,584.16	3.16	0	0	0	0	0	0	0	0	No	0	6	35.15	101
062000013	6	Brazoria County Increased Cost of Compliance Education	Brazoria County	Implement campaign on public education of ICC (Increased Cost of Compliance) coverage.	Education and Outreach	1,000	20,000	18,845	8.25	38,623	8.04	248	7.29	0	0	0	0	328	6.91	8,576.76	3.16	0	0	0	0	0	0	0	0	No	0	6	35.15	102
092000025	9	City of Snyder DCM	Scurry County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	447	5.32	1,634	5.78	1	1.03	3	2.39	0	0	21	3.98	60.08	1.55	112	5.49	66	2.86	486	6.17	0	0	No	0	2	35.08	103
062000057	6	City of Galveston SRL and RL Property Mitigation	Galveston	Elevation, acquisition or other mitigation of identified Repetitive Loss and Severe Repetitive Loss properties and structures damaged by flooding.	Property acquisition and structural elevation	8,000	80,000	21,858	8.37	64,300	8.40	509	8.13	0	0	0	0	409	7.14	260.88	2.03	0	0	0	0	0	0	0	0	No	0	4	35.08	104
032000068	3	City of Mansfield Property Acquisition Program	Mansfield	Acquire properties at risk of flooding and permanently remove them from special flood hazard areas.	Property acquisition and structural elevation	500,000	5,000,000	422	5.28	2,492	6.08	163	6.79	530	9.16	0	0	30	4.36	778.43	2.38	0	0	0	0	0	0	0	0	No	0	4	35.06	105
032000057	3	Johnson County Acquisition of Flood Prone Structures	Johnson County	Acquire, relocate, and/or elevate flood prone structures	Property acquisition and structural elevation	500,000	5,000,000	1,851	6.44	4,897	6.56	12	3.73	372	8.70	0	0	62	5.13	18,202.36	3.40	0	0	0	0	0	0	0	0	No	0	4	34.97	106
092000095	9	Snyder Flood Insurance Awareness Program	Scurry County	Implement a public awareness program to inform the public about the availability of flood insurance.	Other	5,000	30,000	445	5.32	1,633	5.78	1	1.03	3	2.39	0	0	21	3.98	41.68	1.43	112	5.49	66	2.86	485	6.16	0	0	No	0	2	34.96	107
032000059	3	Anderson County Floodplain Acquisition and Preservation Program	Anderson County	Acquire and preserve open spaces adjacent to floodplain areas.	Property acquisition and structural elevation	500,000	5,000,000	667	5.64	1,408	5.67	6	2.93	6	3.28	0	0	73	5.31	36,103.84	3.63	0	0	0	0	0	0	100	7.5	No	0	4	34.95	108
062000031	6	Brazoria County Structure Elevation	Brazoria County	Elevate structures in flood zone. Over 70% of these structures are pre-firm and do not meet current FEMA elevation standards. FEMA estimates that over 400 structures may be substantially damaged and must be elevated to meet current standards.	Property acquisition and structural elevation	3,000,000	60,000,000	18,848	8.25	38,626	8.04	248	7.29	0	0	0	0	328	6.91	8,584.16	3.16	0	0	0	0	0	0	0	0	No	0	4	34.65	109
062000032	6	Brazoria County Non-structural Mitigation / Land Preservation	Brazoria County	Up to 35,0000 acres of land could be purchased to help reduce the impacts of natrual hazards by converting the space to floodwater storage, groundwater recharge, erosion, drought mitigation, in the form of public green space.	Property acquisition and structural elevation	3,250,000	65,000,000	18,848	8.25	38,626	8.04	248	7.29	0	0	0	0	328	6.91	8,584.16	3.16	0	0	0	0	0	0	0	0	No	0	4	34.65	109
062000014	6	City of Galveston NFIP CRS Rating	Galveston	Maintain membership of the NFIP's CRS	Other	500	10,000	23,123	8.41	64,429	8.41	513	8.14	0	0	0	0	408	7.14	262.80	2.03	0	0	0	0	0	0	0	0	No	0	2	34.63	111
022000024	2	Lamar County NFIP Involvement	Lamar County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	1,644	6.34	5,441	6.64	33	4.92	15	4.48	0	0	222	6.49	42,830.90	3.68	0	0	0	0	0	0	0	0	No	0	8	34.55	112
152000006	15	Brownsville PUB Action #8	Brownsville	Develop program to annually remove buildup of silt in aras Resacas that become cutoff from the river and contributs to flooding during severe flood or hurricane event	Regulatory and guidance	1,000	20,000	38,734	8.82	157,388	9.04	12	3.73	0	0	0	0	618	7.58	16,275.91	3.37	0	0	0	0	0	0	0	0	No	0	8	34.54	113
152000007	15	City of Brownsville Action #2	Brownsville	Join the Community Rating System program to reduce risk and flood insurance premiums to residents	Regulatory and guidance	1,000	100,000	38,734	8.82	157,388	9.04	12	3.73	0	0	0	0	618	7.58	16,275.91	3.37	0	0	0	0	0	0	0	0	No	0	8	34.54	113
152000029	15	Edinburg #1-1.2	Edinburg	Develop a Reverse 9-1-1 System	Flood measurement and warning	1,000	250,000	16,985	8.17	89,221	8.64	15	3.99	1	1.16	0	0	287	6.76	5,997.40	3.04	0	0	0	0	0	0	0	0	No	0	10	34.27	115
152000030	15	Edinburg #7-1.1	Edinburg	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Flood measurement and warning	1,000	1,000	16,985	8.17	89,221	8.64	15	3.99	1	1.16	0	0	287	6.76	5,997.40	3.04	0	0	0	0	0	0	0	0	No	0	10	34.27	115
152000031	15	Edinburg #9-1.2	Edinburg	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	31,000	16,985	8.17	89,221	8.64	15	3.99	1	1.16	0	0	287	6.76	5,997.40	3.04	0	0	0	0	0	0	0	0	No	0	10	34.27	115
152000040	15	McAllen #11-1.1	McAllen	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Flood measurement and warning	1,000	1,000	26,851	8.53	132,724	8.92	12	3.73	0	0	0	0	468	7.28	11,587.71	3.26	0	0	0	0	0	0	0	0	No	0	10	34.23	118
152000041	15	McAllen #11-2.1	McAllen	Develop Emergency Notification Awareness System For Traveling Public Via Transportation System In The Event of Severe Weather In McAllen	Flood measurement and warning	1,000	500,000	26,851	8.53	132,724	8.92	12	3.73	0	0	0	0	468	7.28	11,587.71	3.26	0	0	0	0	0	0	0	0	No	0	10	34.23	118
152000042	15	McAllen #1-2.1	McAllen	Develop a plan to provide A Means of Disseminating Emergency Information To The Citizens of McAllen	Flood measurement and warning	1,000	500,000	26,851	8.53	132,724	8.92	12	3.73	0	0	0	0	468	7.28	11,587.71	3.26	0	0	0	0	0	0	0	0	No	0	10	34.23	118
132000006	13	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #1	Atascosa County	Place flood gauges upstream of flood-prone areas to alert citizens to quickly rising waters.	Flood measurement and warning	300,000	300,000	1,947	6.48	3,669	6.36	1	1.03	28	5.30	570	3.66	141	6.01	3,068.91	2.83	0	0	0	0	0	0	0	0	No	0	10	34.16	121
152000067	15	City of Edinburg - Flood Warning System, planning, operation & maintenance	Edinburg	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	16,984	8.17	89,218	8.64	13	3.83	1	1.16	0	0	287	6.76	5,997.10	3.04	0	0	0	0	0	0	0	0	No	0	10	34.11	122
022000070	2	Grayson County Flood Warning and Public Safety Improvements	Grayson County	Create an improved gauge notification system. Increase public awareness before occurrences and during flooding.	Flood measurement and warning	250,000	250,000	2,569	6.69	12,470	7.23	23	4.50	8	3.65	0	0	181	6.27	10,335.07	3.22	0	0	0	0	0	0	0	0	No	0	10	34.07	123
092000087	9	Runnels County Flood Awareness Program	Concho County	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.	Other	5,000	30,000	164	4.54	178	4.20	0	0	18	4.72	0	0	125	5.88	39,209.77	3.65	41	4.47	10	1.76	62	4.32	0	0	No	0	2	34.03	124
092000088	9	Runnels County Higher Standareds Program	Concho County	Adopt higher floodplain standards. Restrict future development in high risk areas.	Other	75,000	100,000	164	4.54	178	4.20	0	0	18	4.72	0	0	125	5.88	39,209.77	3.65	41	4.47	10	1.76	62	4.32	0	0	No	0	2	34.03	124

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures raw	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
092000003	9	Runnels County NFIP Application and compliance	Concho County	Join the NFIP. Examine local flood ordinance to ensure minimum NFIP standards are included for program compliance and to consider possible higher regulatory standards.	Other	5,000	30,000	164	4.54	178	4.20	0	0	18	4.72	0	0	125	5.88	39,196.92	3.65	41	4.47	10	1.76	62	4.32	0	0	No	0		2	34.03	126
092000119	9	Runnels County CRS Participation	Runnels County	Join the FEMA Community Rating System.	Other	5,000	30,000	164	4.54	178	4.20	0	0	18	4.72	0	0	125	5.88	39,196.92	3.65	41	4.47	10	1.76	62	4.32	0	0	No	0		2	34.03	126
072000017	7	City of Lubbock Turn Around, Don't Drown	Lubbock	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	Education and Outreach	50,000	50,000	4,959	7.21	17,998	7.49	9	3.40	28	5.30	0	0	170	6.21	4,139.05	2.92	0	0	0	0	0	0	0	0	No	0		6	34.03	128
052000046	5	Hardin County Voluntary Residential Structure Elevation	Hardin County	Voluntary elevations of flood prone properties in Hardin County.	Property acquisition and structural elevation	140,000	7,500,000	3,678	6.97	10,528	7.11	25	4.59	13	4.29	13	1.69	136	5.97	743.24	2.37	0	0	0	0	0	0	0	0	No	0		4	34.00	129
052000104	5	Hardin County Culverts, Ditches, and Channel	Hardin County	Establish plan to upgrade storm water capacity by installing/upgrading culverts and enlarging storm water channels.	Infrastructure projects	200,000	3,000,000	3,678	6.97	10,528	7.11	25	4.59	13	4.29	13	1.69	136	5.97	743.24	2.37	0	0	0	0	0	0	0	0	No	0		4	34.00	129
052000105	5	Hardin County Detention Ponds	Hardin County	Develop a program to construct water retention ponds to collect stormwater run-off, reduce flooding, and use as an alternate water source throughout Hardin County.	Infrastructure projects	200,000	1,000,000	3,678	6.97	10,528	7.11	25	4.59	13	4.29	13	1.69	136	5.97	743.24	2.37	0	0	0	0	0	0	0	0	No	0		4	34.00	129
052000106	5	Hardin County Elevate Roads and Bridges□	Hardin County	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	Infrastructure projects	200,000	10,000,000	3,678	6.97	10,528	7.11	25	4.59	13	4.29	13	1.69	136	5.97	743.24	2.37	0	0	0	0	0	0	0	0	No	0		4	34.00	129
022000012	2	Bowie County NFIP Involvement	Bowie County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	2,657	6.72	9,746	7.06	19	4.27	7	3.48	0	0	314	6.86	30,919.16	3.58	0	0	0	0	0	0	0	0	No	0		8	33.96	133
092000031	9	Lynn County DCM	Borden County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	340	5.11	352	4.68	1	1.03	0	0	0	0	152	6.09	23,560.42	3.49	85	5.21	51	2.71	123	4.93	0	0	No	0		2	33.76	134
092000076	9	Lynn County Portable Pumps Program	Lynn County	This action proposes purchasing portable pumps that can be deployed as needed to mitigate the potential impacts of future flood events.	Other	225,000	250,000	340	5.11	352	4.68	1	1.03	0	0	0	0	152	6.09	23,560.16	3.49	85	5.21	51	2.71	123	4.93	0	0	No	0		2	33.76	135
022000019	2	Grayson County NFIP Involvement	Grayson County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	2,569	6.69	12,470	7.23	23	4.50	8	3.65	0	0	181	6.27	10,335.07	3.22	0	0	0	0	0	0	0	0	No	0		8	33.57	136
022000017	2	Fannin County NFIP Involvement	Fannin County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	1,077	6.01	3,040	6.22	18	4.21	26	5.20	0	0	170	6.21	37,510.09	3.64	0	0	0	0	0	0	0	0	No	0		8	33.49	137
022000073	2	Fannin County Floodplain Manager	Fannin County	Apply for assistance in establishing a Certified Countywide Floodplain Manager position. Funding for the continuation of the position would be from permit fees and local budgets. The focus of this role would be to mitigate flooding and protect the flood	Regulatory and guidance	75,000	75,000	1,077	6.01	3,040	6.22	18	4.21	26	5.20	0	0	170	6.21	37,510.09	3.64	0	0	0	0	0	0	0	0	No	0		8	33.49	137
072000058	7	City of Lubbock Traffic Signal Mitigation	Lubbock	Replace regulatory and warning traffic signs, install breakaway poles within the City limits, and install pavement markings at intersections and school zones to mitigate flood velocity damage during flooding events.	Infrastructure projects	300,000	300,000	4,916	7.20	17,975	7.49	9	3.40	28	5.30	0	0	169	6.20	3,514.05	2.87	0	0	0	0	0	0	0	0	No	0		4	33.46	139
092000115	9	Irion County NFIP Application	Irion County	Join The NFIP.	Other	5,000	30,000	354	5.14	235	4.40	0	0	8	3.65	0	0	48	4.86	2,458.54	2.76	89	5.26	26	2.31	72	4.45	0	0	No	0		2	33.33	140
092000072	9	Irion County Flood Warning System	Irion County	Draft flood warning system	Other	5,000	30,000	354	5.14	235	4.40	0	0	8	3.65	0	0	48	4.86	2,458.44	2.76	89	5.26	26	2.31	72	4.45	0	0	No	0		2	33.33	141
092000073	9	Irion County Flood Insurance Education Program	Irion County	Establish education program regarding benefits of flood insurance as it pertains to elevating structures in the SFHA and in accordance with the local Floodplain Ordinance	Other	5,000	30,000	354	5.14	235	4.40	0	0	8	3.65	0	0	48	4.86	2,458.44	2.76	89	5.26	26	2.31	72	4.45	0	0	No	0		2	33.33	141
092000074	9	Irion County NFIP Compliance Evaluation	Irion County	Organize planning committee to review language of flood ordinance to ensure minimum NFIP compliance standards and develop higher regulatory standards for permitting in flood prone areas of the County.	Other	75,000	100,000	354	5.14	235	4.40	0	0	8	3.65	0	0	48	4.86	2,458.44	2.76	89	5.26	26	2.31	72	4.45	0	0	No	0		2	33.33	141
092000075	9	Irion County CTP Program	Irion County	Draft CTP program	Other	5,000	30,000	354	5.14	235	4.40	0	0	8	3.65	0	0	48	4.86	2,458.44	2.76	89	5.26	26	2.31	72	4.45	0	0	No	0		2	33.33	141
152000066	15	City of Harlingen - Flood Warning System, planning, operation & maintenance	Harlingen	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	17,519	8.20	73,788	8.50	14	3.91	0	0	0	0	327	6.90	6,829.92	3.09	0	0	0	0	0	0	0	0	No	0		10	33.10	145
092000063	9	Coke County NFIP Application	Coke County	Application to join the NFIP	Other	75,000	100,000	245	4.85	124	3.94	0	0	14	4.39	0	0	55	5.00	5,435.48	3.01	62	4.89	26	2.31	43	3.99	0	0	No	0		2	32.89	146
092000102	9	Coke County DCM	Coke County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	245	4.85	124	3.94	0	0	14	4.39	0	0	55	5.00	5,435.48	3.01	62	4.89	26	2.31	43	3.99	0	0	No	0		2	32.89	146
132000007	13	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #5	Atascosa County	Inventory of all low water crossing in the county and develop a prioritize projects in a COP for upgrades or replacement.	Infrastructure projects	60,000	60,000	1,947	6.48	3,669	6.36	1	1.03	28	5.30	570	3.66	141	6.01	3,068.91	2.83	0	0	0	0	0	0	0	0	No	0		4	32.66	148
132000009	13	Atascosa McMullen Hazard Mitigation Plan - Atascosa County Action #12	Atascosa County	Eastablish and implement a voluntary "acquistion and demo program" to address repetitive loss to floodprone properties.	Property acquisition and structural elevation	600,000	600,000	1,947	6.48	3,669	6.36	1	1.03	28	5.30	570	3.66	141	6.01	3,068.91	2.83	0	0	0	0	0	0	0	0	No	0		4	32.66	148
012000045	1	Dallam County NFIP Involvement	Dallam County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	890	5.86	1,401	5.67	2	1.69	22	4.98	22	1.97	178	6.25	91,033.79	3.93	0	0	0	0	0	0	0	0	No	0		8	32.36	150
052000138	5	City of Tyler Open Channel Improvements	Tyler	Implement a program to enclose open channels that are contributing to flooding. Priority locations are: 1) Ashmore subdivision between Ashmore and Salisbury and 2) Fleishel Ave. between 6th and 8th Streets.	Infrastructure projects	200,000	1,500,000	1,042	5.99	7,482	6.87	72	5.84	31	5.43	31	2.15	23	4.08	3.94	0.67	0	0	0	0	0	0	0	0	No	0		4	32.02	151
012000055	1	City of Canyon Acquire, Buyout, and Flood-Proofing Program	Canyon, Randall County	Develop a program to identify and either acquire (buy out/relocate) or elevate structures in the floodplain	Property acquisition and structural elevation	600,000	6,000,000	206	4.72	823	5.29	0	0	7	3.48	7	1.37	15	3.62	150.26	1.85	24	3.93	24	2.27	72	4.45	0	0	No	0		4	31.98	152
152000069	15	City of Mission - planning, operation & maintenance	Mission	Develop and Implement a planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	19,516	8.28	63,925	8.40	6	2.93	0	0	0	0	301	6.81	6,278.50	3.06	0	0	0	0	0	0	0	0	No	0		10	31.98	153
152000045	15	Mission #1-1.1	Mission	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	31,000	19,515	8.28	63,919	8.40	6	2.93	0	0	0	0	301	6.81	6,277.85	3.06	0	0	0	0	0	0	0	0	No	0		10	31.98	154
152000046	15	Mission #7-1.1	Mission	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Flood measurement and warning	1,000	8,500	19,515	8.28	63,919	8.40	6	2.93	0	0	0	0	301	6.81	6,277.85	3.06	0	0	0	0	0	0	0	0	No	0		10	31.98	154
092000053	9	Reagan County Sediment Cleanout Program	Reagan County	Adopt and implement a program for clearing debris from bridges, drains and culverts.	Other	5,000	30,000	161	4.52	200	4.28	0	0	2	1.90	0	0	39	4.64	13,306.96	3.30	41	4.47	19	2.13	64	4.35	25	1.875	No	0		2	31.97	156
042000039	4	City of Longview Property Acquisition Program	Longview	Implementation of program to purchase properties and severe loss-repetitive loss homes in floodplain areas to reserve them from development.	Property acquisition and structural elevation	100,000	100,000	1,379	6.21	10,126	7.08	9	3.40	0	0	0	0	41	4.69	294.67	2.07	0	0	0	0	0	0	100	7.5	No	0		4	31.95	157
032000043	3	Kaufman County Agreement to Monitor High Hazard Dams	Kaufman County, Terrell, Kemp, Kaufman	Develop a mutual aid agreement with the City of Terrell, City of Kemp, City of Kaufman to monitor High hazard dams with automated monitor to minimize potential dam failure of the structure	Other	300,000	300,000	2,086	6.53	4,193	6.45	13	3.83	16	4.56	0	0	148	6.06	88,117.98	3.92	0	0	0	0	0	0	0	0	No	0		2	31.85	158
042000005	4	Van Zandt County Wide Floodplain Development Regulations	Van Zandt County	Incorporate higher standards for flood hazard resiliency in local application of the building code.	Regulatory and guidance	10,000	10,000	1,080	6.01	1,471	5.71	13	3.83	9	3.81	9	1.50	79	5.39	26,372.45	3.52	0	0	0	0	0	0	0	0	No	0		8	31.77	159
032000093	3	Tarrant County Flood Education Program	Tarrant County	Conduct NFIP community workshops to provide information and incentives for property owners to acquire flood insurance.	Education and Outreach	50,000	50,000	14,853	8.07	78,224	8.54	1	1.03	2	1.90	0	0	468	7.28	20,062.70	3.44	0	0	0	0	0	0	0	0	No	0		6	31.77	160
032000035	3	Carrollton Targeted Flood Remediation	Carrollton	Plan for and establish City-owned stand-by contracts for targeted flood remediation of private homes if authorized by City Administration.	Regulatory and guidance	500,000	5,000,000	1,068	6.01	15,723	7.40	18	4.21	19	4.79	0	0	48	4.86	617.10	2.31	0	0	0	0	0	0	0	0	No	0		8	31.57	161
062000023	6	Expand Development of Emergency Notification System in Liberty County	Liberty County	Expand development of emergency notification system/work to establish public awareness of emergency notification process.	Education and Outreach	500	10,000	3,617	6.96	3,575	6.34	8	3.26	7	3.48	7	1.37	144	6.03	1,379.38	2.57	0	0	0	0	0	0	0	0	No	0		6	31.51	162
012000038	1	Hartley County NFIP Involvement	Hartley County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	111	4.23	209	4.31	5	2.72	61	6.32	63	2.51	83	5.44	91,162.87	3.93	0	0	0	0	0	0	0	0	No	0		8	31.46	163
052000044	5	Angelina County Property Elevation	Angelina County	Elevate properties in the floodplain.	Property acquisition and structural elevation	100,000	630,000	1,201	6.10	8,420	6.95	11	3.63	19	4.79	19	1.89	66	5.20	165.36	1.88	0	0	0	0	0	0	0	0	No	0		4	31.44	164
052000096	5	Angelina County Culvert Improvements	Angelina County	Develop plan to upgrade major culvert areas which are prone to flooding.	Infrastructure projects	63,000	2,000,000	1,201	6.10	8,420	6.95	11	3.63	19	4.79	19	1.89	66	5.20	165.36	1.88	0	0	0	0	0	0	0	0	No	0		4	31.44	164
012000052	1	City of Amarillo Gages for Playas	Amarillo, Randall County	Install gages on playa lakes	Flood measurement and warning	50,000	250,000	1,703	6.37	8,883	6.99	7	3.10	6	3.28	6	1.30	103	5.67	212.76	1.96	0	0	0	0	0	0	0	0	No	0		10	31.17	166
012000053	1	City of Amarillo Flood Warning System	Amarillo, Randall County	Implement flood warning system in the north side of town	Flood measurement and warning	50,000	250,000	1,703	6.37	8,883	6.99	7	3.10	6	3.28	6	1.30	103	5.67	212.76	1.96	0	0	0	0	0	0	0	0	No	0		10	31.17	166
092000122	9	Sterling County NFIP Application	Sterling County	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	179	4.61	180	4.21	0	0	7	3.48	0	0	30	4.36	2,288.69	2.73	45	4.57	24	2.27	69	4.42	0	0	No	0		2	31.13	168
092000123	9	Sterling County DCM	Sterling County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	179	4.61	180	4.21	0	0	7	3.48	0	0	30	4.36	2,288.69	2.73	45	4.57	24	2.27	69	4.42	0	0	No	0		2	31.13	168
092000124	9	Sterling County CTP Program	Sterling County	Draft CTP program	Other	5,000	30,000	179	4.61	180	4.21	0	0	7	3.48	0	0	30	4.36	2,288.69	2.73	45	4.57	24	2.27	69	4.42	0	0	No	0		2	31.13	168
032000098	3	Parker County Nature-Based Practices for Flood Control	Parker County, Hudson Oaks	Implement the use of green infrastructure	Other	175,000	500,000	1,953	6.48	6,748	6.79	0	0	1	1.16	0	0	61	5.11	25,501.05	3.51	0	0	0	0	0	0	100	7.5	No	0		2	31.06	171
062000052	6	City of League City Property Acquisition and Relocation	League City	Buying and removing property from the floodplain will reduce long-term, repetitive flood loss. The open space created by the removal of insured property will facilitate drainage and allow for the creation of recreation areas.	Property acquisition and structural elevation	30,000,000	300,000,000	5,251	7.25	13,675	7.30	25	4.59	2	1.90	2	0.75	105	5.69	1,308.19	2.55	0	0	0	0	0	0	0	0	No	0		4	31.04	172
062000042	6	Waller County Freeboard Requirement Update	Waller County	The county may increase its freeboard requirement to 24-in from 18-in above the base flood elevation. County may require that all new lots within a platted subdivision be located fully outside of the floodplain. Applicable to all floodplain development.	Regulatory and guidance	5,000	100,000	1,067	6.00	1,859	5.87	6	2.93	19	4.79	19	1.89	41	4.69	1,357.32	2.56	0	0	0	0	0	0	0	0	No	0		8	30.74	173
012000050	1	City of Amarillo Update Stormwater Criteria	Amarillo, Randall County	Update stormwater criteria based on recommendations identified in the 2019 Drainage Master Plan	Regulatory and guidance	100,000	100,000	1,703	6.37	8,883	6.99	7	3.10	6	3.28	6	1.30	103	5.67	212.76	1.96	0	0	0	0	0	0	0	0	No	0		8	30.67	174
012000051	1	City of Amarillo Develop Criteria for Playa Development	Amarillo, Randall County	Address sustainable playa development; establish modelling standard	Regulatory and guidance	100,000	100,000	1,703	6.37	8,883	6.99	7	3.10	6	3.28	6	1.30	103	5.67	212.76	1.96	0	0	0	0	0	0	0	0	No	0		8	30.67	174
152000055	15	Starr County Hazard Mitigation Plan Action #19	Starr County	Develop maintenance schedule for creeks within jurisdiction	Regulatory and guidance	50,000	50,000	1,233	6.12	5,035	6.58	0	0	371	8.70	0	0	33	4.46	2,352.04	2.74	0	0	0	0	0	0	0	0	No	0		8	30.60	176

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
062000065	6	Liberty County Regional Coordination	Liberty County	Work with adjoining counties regarding flooding and drainage issues.	Other	25,000	500,000	3,619	6.96	3,576	6.34	8	3.26	7	3.48	7	1.37	144	6.03	1,379.49	2.57	0	0	0	0	0	0	0	0	No	0	2	30.51	177
032000077	3	Cooke County Flood Education and Flood Insurance Public Awareness Program	Cooke County	Education of the public on the importance of Flood Insurance. "Turn Around Don't Drown" campaign.	Education and Outreach	50,000	50,000	1,328	6.18	2,077	5.95	7	3.10	17	4.64	0	0	81	5.42	40,878.87	3.67	0	0	0	0	0	0	0	No	0	6	30.46	178
092000022	9	City of Lamesa DCM	Dawson County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	184	4.63	495	4.93	0	0	6	3.28	0	0	12	3.39	51.15	1.50	46	4.59	46	2.65	132	5.00	0	0	No	0	2	30.46	179
092000030	9	Hockley County DCM	Lynn County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	44	3.51	851	5.31	3	2.14	2	1.90	0	0	42	4.72	1,350.75	2.56	11	3.14	4	1.23	216	5.44	0	0	No	0	2	30.44	180
092000046	9	City of Colorado City	Mitchell County	Establish, adopt, and implement a "green infrastructure" program for parks, nature preserves, greenbelts, etc.	Other	5,000	30,000	143	4.43	353	4.69	2	1.69	1	1.16	0	0	10	3.19	41.68	1.43	36	4.34	23	2.24	109	4.83	25	1.875	No	0	2	30.38	181
062000041	6	Waller County Flood Hazard Public Information Campaign	Waller County	Posting of signage at high profile locations and use of social media to communicate threats/concers. Flood gauges for common flooded road crossings. Burn ban signs.	Education and Outreach	1,000	20,000	1,067	6.00	1,859	5.87	6	2.93	19	4.79	19	1.89	41	4.69	1,357.32	2.56	0	0	0	0	0	0	0	0	No	0	6	30.24	182
032000045	3	Addison-Carrollton Debris Cleaning Program	Addison, Carrollton	Develop and implement a program for clearing debris from bridges, drains and culverts.	Other	100,000	100,000	1,081	6.02	16,581	7.44	18	4.21	19	4.79	0	0	49	4.88	617.10	2.31	0	0	0	0	0	0	0	No	0	2	30.14	183
152000077	15	City of San Benito - Flood Warning System, planning, operation & maintenance	San Benito	Develop and implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	5,217	7.25	15,210	7.37	3	2.14	0	0	50	2.39	99	5.63	3,047.30	2.83	0	0	0	0	0	0	0	No	0	10	30.11	184
092000083	9	Reagan County Flood Awareness Program	Reagan County	Develop flood education and awareness program; disseminate materials with new permits and place in the library at City Hall	Other	5,000	30,000	161	4.52	200	4.28	0	0	2	1.90	0	0	39	4.64	13,306.96	3.30	41	4.47	19	2.13	64	4.35	0	0	No	0	2	30.10	185
092000084	9	Reagan County CTP Program	Reagan County	Draft CTP program	Other	5,000	30,000	161	4.52	200	4.28	0	0	2	1.90	0	0	39	4.64	13,306.96	3.30	41	4.47	19	2.13	64	4.35	0	0	No	0	2	30.10	185
092000118	9	Reagan County DCM	Reagan County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	161	4.52	200	4.28	0	0	2	1.90	0	0	39	4.64	13,305.97	3.30	41	4.47	19	2.13	64	4.35	0	0	No	0	2	30.10	187
092000021	9	City of Brownfield DCM	Terry County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	243	4.85	535	4.98	0	0	1	1.16	0	0	17	3.76	348.69	2.12	61	4.88	31	2.42	212	5.42	0	0	No	0	2	30.08	188
092000064	9	Reagan County NFIP Application	Reagan County	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	161	4.52	200	4.28	0	0	2	1.90	0	0	39	4.64	13,305.97	3.30	40	4.45	19	2.13	64	4.35	0	0	No	0	2	30.07	189
132000040	13	Aransas County Flood Warning System	Aransas County	The county needs flood warning systems throughout the region.	Flood measurement and warning	250,000	250,000	3,334	6.90	4,790	6.55	4	2.46	0	0	548	3.64	103	5.67	571.30	2.28	0	0	0	0	0	0	0	0	No	0	10	30.00	190
152000049	15	Pharr #10-1.1	Pharr	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	5,000	16,963	8.17	62,907	8.39	2	1.69	0	0	0	0	198	6.37	3,349.11	2.86	0	0	0	0	0	0	0	No	0	10	29.98	191
152000050	15	Pharr #8-1.1	Pharr	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Flood measurement and warning	1,000	1,000	16,963	8.17	62,907	8.39	2	1.69	0	0	0	0	198	6.37	3,349.11	2.86	0	0	0	0	0	0	0	No	0	10	29.98	191
052000052	5	City of Sour Lake Voluntary Flood Buyout	Sour Lake	Voluntary flood buyouts.	Property acquisition and structural elevation	40,000	6,000,000	435	5.30	1,687	5.80	7	3.10	3	2.39	3	0.95	8	2.96	7.47	0.88	0	0	0	0	0	0	100	7.5	No	0	4	29.88	193
062000040	6	Waller County Drainage System Maintenance	Waller County	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding in all participating jurisdictions.	Infrastructure projects	125,000	2,500,000	1,067	6.00	1,859	5.87	6	2.93	19	4.79	19	1.89	41	4.69	1,357.32	2.56	0	0	0	0	0	0	0	0	No	0	4	29.74	194
132000028	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Restrict development in high hazard areas (City of Alice)	Alice	The City of Alice will re-evaluate all existing floodplain construction restrictions to identify strengths and weaknesses and update.	Regulatory and guidance	200,000	200,000	893	5.87	6,681	6.79	8	3.26	4	2.76	296	3.32	19	3.87	131.84	1.81	0	0	0	0	0	0	0	0	No	0	8	29.67	195
032000041	3	Dallas County Land Use Program	Richardson	Continue to develop and maintain special use parks and green belt areas as flooding mitigation strategies & further prohibiting development in the floodplain.	Regulatory and guidance	100,000	100,000	139	4.41	613	5.08	1	1.03	25	5.15	0	0	7	2.82	81.45	1.65	0	0	0	0	0	0	0	0	No	0	8	29.64	196
032000016	3	Additional Rain/Stream Gauges for 13 locations	Grand Prairie	West Fork Trinity River at MacArthur Blvd, Bowman Creek at Mirabella Blvd, Cottonwood Creek at Robinson Road, Johnson Creek at Duncan Perry Road, Foster Branch at Seeton Road, Mountain Creek at county road FM 661, Carrier Parkway underneath I-20, Robinson	Flood measurement and warning	25,000	250,000	442	5.31	3,471	6.32	8	3.26	19	4.79	0	0	40	4.67	1,927.26	2.68	0	0	0	0	0	0	0	0	No	0	10	29.52	197
032000017	3	Additional Low Water Crossing Flashing Lights and Automated Gates	Grand Prairie	Duncan Perry Road between Ave K and Sherwood Drive, Riverside Pkwy LWC (lights already in place need gates added), SW 3rd from Phillips Ct to Dickey Road (gates being added in September 2021)	Flood measurement and warning	25,000	250,000	442	5.31	3,471	6.32	8	3.26	19	4.79	0	0	40	4.67	1,927.26	2.68	0	0	0	0	0	0	0	0	No	0	10	29.52	197
132000039	13	Aransas County Wetlands Preservation Plan	Aransas County	Aransas County Texas Multi-Jurisdictinal Hazard Mitigation Action Plan - Action #4: Create a county-wide wetlands preservation plan	Regulatory and guidance	5,000,000	5,000,000	3,334	6.90	4,790	6.55	4	2.46	0	0	548	3.64	103	5.67	571.30	2.28	0	0	0	0	0	0	0	0	No	0	8	29.50	199
122000011	12	Automatic low water crossings and gauges	Kendall County	Add automatic low water crossings and gauges at various locations, providing real time flood information to the region. This would include development of a plan to identify locations, followed by installation.	Flood measurement and warning	100,000	100,000	628	5.59	1,812	5.85	5	2.72	21	4.92	147	2.96	12	3.39	42.73	1.44	0	0	0	0	0	0	0	0	No	0	10	29.36	200
022000014	2	Cass County NFIP Involvement	Cass County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	574	5.52	2,148	5.98	12	3.73	7	3.48	0	0	160	6.14	858.67	2.41	0	0	0	0	0	0	0	0	No	0	8	29.26	201
032000044	3	Rowlett Creek Tributary Maintenance Program	Sachse	Develop a maintenance program including routine channel maintenance and erosion control for Rowlett Creek Tributary (Stream 2D13). Keep creek and inlets clear of debris and overgrown vegetation.	Other	250,000	250,000	1,005	5.96	7,586	6.88	10	3.52	39	5.73	0	0	30	4.36	627.50	2.31	0	0	0	0	0	0	0	0	No	0	2	29.26	202
032000050	3	Hazard Hardening Retrofit for Polk County Facilities	Polk County, Corrigan, Goodrich, Livingston, Onalaska, Seven Oaks	Flood-proofing, impact resistant windows, storm shutter, roof strap, structural bracing, low-flow plumbing fixture, roll-up door reinforcement, grounding system, surge-protection, data back-up systems, plumbing reinforcement and insulation, heat resistant	Other	3,000,000	30,000,000	1,797	6.41	2,681	6.13	31	4.85	3	2.39	0	0	95	5.59	13,977.25	3.32	0	0	0	0	0	0	0	0	No	0	2	29.19	203
032000058	3	Acquisition of Repetitive Loss Properties in the Deep River Plantation Subdivision	Walker County	Acquire repetitive flood loss properties and properties prone to flooding in the Deep River Plantation Subdivision	Property acquisition and structural elevation	500,000	5,000,000	1,654	6.35	4,303	6.47	11	3.63	5	3.04	0	0	59	5.08	28,691.50	3.55	0	0	0	0	0	0	0	0	No	0	4	29.13	204
152000079	15	City of Weslaco - Flood Warning System, planning, operation & maintenance	Weslaco	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	8,435	7.62	40,076	8.07	3	2.14	0	0	0	0	148	6.06	1,823.82	2.66	0	0	0	0	0	0	0	0	No	0	10	29.04	205
132000038	13	Flood Mitigation Public Education	Aransas County	Design and implement a program for public education. The program will educate citizens on methods of hazard mitigation and risk reduction. To be incorporated into Aransas County's floodplain management program as part of CRS.	Education and Outreach	50,000	50,000	3,334	6.90	4,790	6.55	4	2.46	0	0	548	3.64	103	5.67	571.30	2.28	0	0	0	0	0	0	0	0	No	0	6	29.00	206
132000054	13	Aransas County Educational Signage Program	Aransas County	Aransas County Multi-Jurisdictional Floodplain Managment Plan - Action 3.1.e: Develop and install educatinal signage regarding flood safety to located along low areas of roadways likay to flood.	Education and Outreach	7,000	7,000	3,334	6.90	4,790	6.55	4	2.46	0	0	548	3.64	103	5.67	571.25	2.28	0	0	0	0	0	0	0	0	No	0	6	29.00	207
032000051	3	Acquire and Protect Red Oak Creek, Bentle Branch Creek, and Balcones Escarpment	Cedar Hill	Acquire areas in the floodplain and protect environmentally sensitive areas and convert them into open space land	Property acquisition and structural elevation	500,000	5,000,000	315	5.05	3,969	6.41	3	2.14	1	1.16	0	0	17	3.76	215.90	1.97	0	0	0	0	0	0	0	0	100	7.5	No	0	4	28.98	208
122000013	12	Shelter requirement for RV parks	Karnes County	Adopt and implement an ordinance to require RV Parks to provide shelter facilities.	Regulatory and guidance	10,000	10,000	336	5.10	422	4.81	0	0	19	4.79	757	3.81	59	5.08	14,495.40	3.33	0	0	0	0	0	0	0	0	No	0	8	28.92	209
022000028	2	Titus County NFIP Involvement	Titus County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	596	5.55	2,890	6.19	8	3.26	9	3.81	0	0	87	5.49	1,569.94	2.61	0	0	0	0	0	0	0	0	No	0	8	28.91	210
072000001	7	Bailey County NFIP Participation	Bailey County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	475	5.37	759	5.23	1	1.03	13	4.29	0	0	499	7.35	32,566.80	3.59	0	0	0	0	0	0	0	0	No	0	8	28.87	211
022000027	2	Red River County NFIP Involvement	Red River County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	391	5.22	374	4.73	5	2.72	16	4.56	0	0	157	6.12	24,045.00	3.49	0	0	0	0	0	0	0	0	No	0	8	28.84	212
092000020	9	City of Andrews DCM	Andrews County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	286	4.97	833	5.30	0	0	0	0	0	0	18	3.82	3.60	0.65	72	5.04	52	2.72	312	5.77	0	0	No	0	2	28.77	213
072000034	7	Haskell County NFIP Cross Train Program	Haskell County	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	Regulatory and guidance	25,000	25,000	788	5.77	708	5.18	1	1.03	15	4.48	0	0	226	6.51	59,647.61	3.79	0	0	0	0	0	0	0	0	No	0	8	28.76	214
062000049	6	City of Bellaire Flood Early Warning System	Bellaire	Develop Flood Early Warning System for the City of Bellaire to inform emergency responders and to assist residents in making safe decisions during major storm events.	Flood measurement and warning	7,500	150,000	5,879	7.34	25,741	7.75	71	5.82	0	0	0	0	71	5.28	0.15	0.05	0	0	0	0	0	0	0	0	No	0	10	28.74	215
132000027	13	City of Alice & Jim Wells County Multi-Hazard Mitigation Plan - Create a Buyout Program for Repetitive Loss Properties	Alice	This action will develop and implement a program to buyout repetitive loss properties to expand drainage systems.	Property acquisition and structural elevation	5,000,000	5,000,000	893	5.87	6,681	6.79	8	3.26	4	2.76	296	3.32	19	3.87	131.84	1.81	0	0	0	0	0	0	0	0	No	0	4	28.67	216
022000022	2	Hopkins County NFIP Involvement	Hopkins County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	702	5.68	5,081	6.59	5	2.72	3	2.39	0	0	148	6.06	8,634.53	3.16	0	0	0	0	0	0	0	0	No	0	8	28.60	217
092000047	9	City of Colorado City	Mitchell County	Provide how-to information to residents for install backflow valves to prevent reverse flow floods.	Other	5,000	30,000	143	4.43	353	4.69	2	1.69	1	1.16	0	0	10	3.19	41.68	1.43	36	4.34	23	2.24	109	4.83	0	0	No	0	2	28.51	218
092000004	9	Colorado City Ordinance Update SFHA regulation	Mitchell County	Increase freeboard requirements for permitting structures in the SFHA; Adopt no-rise in BFE	Other	5,000	30,000	143	4.43	353	4.69	2	1.69	1	1.16	0	0	10	3.19	37.86	1.40	36	4.34	23	2.24	109	4.83	0	0	No	0	2	28.48	219
092000023	9	City of Colorado City DCM	Mitchell County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	143	4.43	353	4.69	2	1.69	1	1.16	0	0	10	3.19	37.86	1.40	36	4.34	23	2.24	109	4.83	0	0	No	0	2	28.48	219
032000020	3	Anderson County Structure Permitting Requirement Update	Anderson County	Increase freeboard requirements for permitting structures in the SFHA; Adopt a "no-rise" in BFE in the 100-year floodplain; Update local flood ordinance to prohibit granting of variance in SFHA	Regulatory and guidance	100,000	100,000	667	5.64	1,408	5.67	6	2.93	6	3.28	0	0	73	5.31	36,103.84	3.63	0	0	0	0	0	0	0	0	No	0	8	28.45	221
092000036	9	Taylor County Detention Program	Coleman County	Adopt on-site retention basin program in conjunction with development to address excessive stormwater / firefighting water source.	Other	75,000	100,000	70	3.87	46	3.23	0	0	10	3.94	0	0	18	3.82	3,492.51	2.87	18	3.64	12	1.86	11	2.77	25	1.875	No	0	2	28.38	222

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
092000058	9	Taylor County Debris Clearing Program	Taylor County	Adopt and implement a program for clearing debris from bridges, drains and culverts.	Other	126,200	151,200	70	3.87	46	3.23	0	0	10	3.94	0	0	18	3.82	3,492.51	2.87	18	3.64	12	1.86	11	2.77	25	1.875	No	0	2	28.38	222
092000026	9	City of O'Donnell NFIP Application	Dawson County	Application to join the NFIP.	Other	5,000	30,000	284	4.97	250	4.44	1	1.03	0	0	0	0	10	3.19	97.30	1.71	71	5.03	46	2.65	97	4.72	0	0	No	0	2	28.24	224
062000033	6	City of Bellaire Flood Rescue Plan	Bellaire	Develop a plan to address rescues from both one-story and two-story homes. This includes evacuating disabled/physically impaired/elderly individuals from homes in advance of anticipated extreme rainfall events.	Regulatory and guidance	10,000	200,000	5,879	7.34	25,741	7.75	71	5.82	0	0	0	0	71	5.28	0.15	0.05	0	0	0	0	0	0	0	No	0	8	28.24	225
132000053	13	Aransas County Coastal Erosion Response Plan	Aransas County	Aransas County Texas Multi-Jurisdictinal Hazard Mitigation Action Plan - Action #9: Create an erosion response plan. New and existing buildings and infrastructure will benefit from coastal erosion protection	Other	2,650	2,650	3,334	6.90	4,790	6.55	4	2.46	0	0	548	3.64	103	5.67	571.25	2.28	0	0	0	0	0	0	0	No	0	2	28.00	226
122000019	12	Conservation Easement Program	Medina County	Develop a Conservation Easement Program.	Regulatory and guidance	50,000	50,000	362	5.16	444	4.85	1	1.03	25	5.15	292	3.31	15	3.62	2,208.25	2.72	0	0	0	0	0	0	0	0	No	0	8	27.85	227
012000036	1	Hutchinson County NFIP Involvement	Hutchinson County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	428	5.29	587	5.05	2	1.69	10	3.94	10	1.56	30	4.36	70,011.99	3.84	0	0	0	0	0	0	0	0	No	0	8	27.74	228
062000005	6	City of Bellaire Floodwater Public Awareness Initiatives☐	Bellaire	Periodically distribute messages to residents warning of dangers of walking or playing in floodwaters. Develop a plan with local schools to educate children to avoid walking, playing, or riding bicycles in floodwaters.	Education and Outreach	2,500	50,000	5,879	7.34	25,741	7.75	71	5.82	0	0	0	0	71	5.28	0.15	0.05	0	0	0	0	0	0	0	No	0	6	27.74	229
092000066	9	Concho County Flood Awareness Program	Concho County	Establish education program regarding benefits of flood insurance as it pertains to elevating structures in the SFHA and in accordance with the local Floodplain Ordinance	Other	5,000	30,000	103	4.17	77	3.60	0	0	4	2.76	0	0	24	4.12	12,260.43	3.28	26	4.01	13	1.91	19	3.26	0	0	No	0	2	27.61	230
092000044	9	Concho County CTP Program	Menard County	Develop Cooperating Technical Partners. The CTP Program is an innovative approach to creating partnerships between FEMA and participating NFIP communities	Other	5,000	30,000	103	4.17	77	3.60	0	0	4	2.76	0	0	24	4.12	12,259.07	3.28	26	4.01	13	1.91	19	3.26	0	0	No	0	2	27.61	231
092000104	9	Concho County NFIP Application	Concho County	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	103	4.17	77	3.60	0	0	4	2.76	0	0	24	4.12	12,259.07	3.28	26	4.01	13	1.91	19	3.26	0	0	No	0	2	27.61	231
092000105	9	Concho County DCM	Concho County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	103	4.17	77	3.60	0	0	4	2.76	0	0	24	4.12	12,259.07	3.28	26	4.01	13	1.91	19	3.26	0	0	No	0	2	27.61	231
062000061	6	City of Alvin Full Time Floodplain Administrator	Alvin	Hire a full-time floodplain administrator who can support CRS application, NFIP, mapping and community floodplain support. A dedicated employee could help the community obtain CRS status and full time flood plain support.	Regulatory and guidance	5,000	100,000	3,445	6.92	15,192	7.37	18	4.21	0	0	0	0	57	5.04	262.30	2.03	0	0	0	0	0	0	0	No	0	8	27.58	234
032000010	3	Rockwall County Warning Signs and Flood Control Gates	Rockwall County	Install automatic flood warning gates to prevent access into flooded areas. Install warning signs and flood control	Flood measurement and warning	25,000	250,000	411	5.26	1,553	5.74	3	2.14	15	4.48	0	0	34	4.49	4,484.99	2.95	0	0	0	0	0	0	0	No	0	10	27.56	235
152000085	15	City of Donna - Flood Warning System, planning, operation & maintenance	Donna	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	3,455	6.93	15,682	7.40	6	2.93	0	0	0	0	61	5.11	1,935.24	2.68	0	0	0	0	0	0	0	No	0	10	27.54	236
152000078	15	City of San Juan - Flood Warning System, planning, operation & maintenance	San Juan	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	6,407	7.41	24,358	7.71	2	1.69	0	0	0	0	94	5.58	1,610.65	2.62	0	0	0	0	0	0	0	No	0	10	27.51	237
032000074	3	City of Hurst Buyout Program	Hurst	107 total structures across the Lorean, Valley View, and Walker watersheds	Property acquisition and structural elevation	2,500,000	25,000,000	287	4.98	1,276	5.60	6	2.93	6	3.28	0	0	9	3.08	17.99	1.16	107	5.45	0	0	0	0	0	0	No	0	4	27.47	238
072000035	7	Jones County Tax Incentive Program	Jones County	Consider program of tax incentives for development of low-hazard land parcels.	Other	25,000	25,000	1,145	6.06	1,118	5.51	2	1.69	8	3.65	0	0	189	6.32	47,148.86	3.71	0	0	0	0	0	0	0	No	0	2	27.45	239
072000038	7	Knox County NFIP Participation	Knox County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	968	5.93	1,310	5.62	4	2.46	2	1.90	0	0	130	5.92	33,293.22	3.60	0	0	0	0	0	0	0	No	0	8	27.43	240
012000040	1	Donley County NFIP Involvement	Donley County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	219	4.76	525	4.97	2	1.69	9	3.81	9	1.50	46	4.81	76,552.17	3.87	0	0	0	0	0	0	0	No	0	8	27.42	241
042000062	4	Van Zandt County Flood Safety Improvements and Education	Van Zandt County	Educate community on the dangers of low water crossings	Education and Outreach	50,000	50,000	1,080	6.01	1,471	5.71	0	0	9	3.81	9	1.50	79	5.39	24,554.30	3.50	0	0	0	0	0	0	0	No	0	6	27.42	242
022000021	2	Harrison County NFIP Involvement	Harrison County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	898	5.87	2,056	5.94	6	2.93	5	3.04	0	0	97	5.61	255.00	2.02	0	0	0	0	0	0	0	No	0	8	27.41	243
132000002	13	Review and Adoption of Updated Building Codes	Hondo	Review and Adoption of Updated Building Codes	Regulatory and guidance	100,000	100,000	592	5.54	2,211	6.00	3	2.14	5	3.04	67	2.55	15	3.62	1,095.85	2.49	0	0	0	0	0	0	0	No	0	8	27.38	244
132000003	13	Subdivision Ordinance Revision	Hondo	Create new Subdivision Ordinance and development standards to ensure the city is proactive in our regulatory practices and to ensure that the standards align with flood hazard mitigation strategies.	Regulatory and guidance	100,000	100,000	592	5.54	2,211	6.00	3	2.14	5	3.04	67	2.55	15	3.62	1,095.85	2.49	0	0	0	0	0	0	0	No	0	8	27.38	244
132000004	13	Update City's Flood Hazard Mitigation Ordinance	Hondo	Update the City's Flood Hazard Mitigation Ordinance to ensure proper regulation of NFIP requirements and to implement higher standards of floodplain management.	Regulatory and guidance	100,000	100,000	592	5.54	2,211	6.00	3	2.14	5	3.04	67	2.55	15	3.62	1,095.85	2.49	0	0	0	0	0	0	0	No	0	8	27.38	244
092000055	9	Taylor County	Runnels County	Establish, adopt, and implement a "green infrastructure" program for parks, nature preserve, greenbelts, etc.	Other	5,000	30,000	70	3.87	46	3.23	0	0	10	3.94	0	0	18	3.82	3,492.16	2.87	18	3.64	12	1.86	11	2.77	10	0.75	No	0	2	27.25	247
032000012	3	Creek Level Monitoring Systems and Weather Stations Installation	Mansfield	Install creek level monitoring systems and weather stations	Flood measurement and warning	25,000	250,000	422	5.28	2,492	6.08	4	2.46	12	4.18	0	0	30	4.36	778.52	2.38	0	0	0	0	0	0	0	No	0	10	27.25	248
072000029	7	Crosby County NFIP Participation	Crosby County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	279	4.95	325	4.63	2	1.69	6	3.28	0	0	350	6.97	45,936.11	3.70	0	0	0	0	0	0	0	No	0	8	27.23	249
152000021	15	San Benito Action #13	San Benito	Adopt higher standards into the flood damage prevention ordinance to limit floodplain development and provide higher protection to structures in the floodplain	Regulatory and guidance	1,000	10,000	5,217	7.25	15,207	7.37	3	2.14	0	0	0	0	98	5.62	3,046.17	2.82	0	0	0	0	0	0	0	No	0	8	27.20	250
152000025	15	Alamo #5-1.1	Alamo	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Flood measurement and warning	1,000	2,000	4,822	7.19	14,357	7.33	4	2.46	0	0	0	0	71	5.28	936.84	2.44	0	0	0	0	0	0	0	No	0	10	27.20	251
152000051	15	Alamo # 4-1.2	Alamo	Develop a plan to Provide Traffic Control And Evacuation Assistance During Emergency Situations	Flood measurement and warning	1,000	10,000	4,822	7.19	14,357	7.33	4	2.46	0	0	0	0	71	5.28	936.84	2.44	0	0	0	0	0	0	0	No	0	10	27.20	251
152000080	15	City of Alamo - Planning, operation & maintenance	Alamo	Develop and Implement a planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	4,823	7.19	14,358	7.33	4	2.46	0	0	0	0	71	5.28	935.94	2.44	0	0	0	0	0	0	0	No	0	10	27.20	253
092000093	9	Schleicher County Flood Insurance Education Program	Schleicher County	Draft flood insurance education program	Other	5,000	30,000	99	4.14	191	4.25	0	0	2	1.90	0	0	17	3.76	1,263.99	2.54	25	3.97	10	1.76	62	4.32	0	0	No	0	2	27.13	254
092000094	9	Schleicher County CTP Program	Schleicher County	Develop a Cooperating Technical Partners program with FEMA to facilitate FEMA Mapping updates.	Other	5,000	30,000	99	4.14	191	4.25	0	0	2	1.90	0	0	17	3.76	1,263.99	2.54	25	3.97	10	1.76	62	4.32	0	0	No	0	2	27.13	254
092000120	9	Schleicher County NFIP Application	Schleicher County	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	99	4.14	191	4.25	0	0	2	1.90	0	0	17	3.76	1,263.99	2.54	25	3.97	10	1.76	62	4.32	0	0	No	0	2	27.13	254
092000121	9	Schleicher County DCM	Schleicher County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	75,000	100,000	99	4.14	191	4.25	0	0	2	1.90	0	0	17	3.76	1,263.99	2.54	25	3.97	10	1.76	62	4.32	0	0	No	0	2	27.13	254
032000027	3	Rockwall County Flood Prevention Ordinance	Rockwall County	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain	Regulatory and guidance	100,000	100,000	411	5.26	1,553	5.74	3	2.14	15	4.48	0	0	34	4.49	4,484.99	2.95	0	0	0	0	0	0	0	No	0	8	27.06	258
022000029	2	Upshur County NFIP Involvement	Upshur County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	425	5.28	2,262	6.01	10	3.52	3	2.39	0	0	91	5.54	611.72	2.30	0	0	0	0	0	0	0	No	0	8	27.05	259
022000079	2	Upshur County NFIP	Upshur County	The County Hazard Mitigation Officer will assist those cities within the county that are not participating in NFIP to take appropriate actions to qualify for and maintain participation in NFIP to have 100% participation within the county	Regulatory and guidance	100,000	100,000	425	5.28	2,262	6.01	10	3.52	3	2.39	0	0	91	5.54	611.72	2.30	0	0	0	0	0	0	0	No	0	8	27.05	259
062000062	6	City of Pearland SRL and RL Property Acquisition	Pearland	Continue working with County and State officials to identify repetitive loss and severe repetitive loss properties, and pursue mitigation projects to reduce risk.	Property acquisition and structural elevation	10,000	100,000	4,791	7.18	11,939	7.20	22	4.44	0	0	0	0	76	5.35	137.47	1.82	0	0	0	0	0	0	0	No	0	4	27.00	261
032000006	3	Houston County Stream and Rain Gauge Installation	Houston County	Install stream and rain gauges in flood prone areas and waterways as part of new alert notification system	Flood measurement and warning	25,000	250,000	142	4.43	113	3.87	5	2.72	18	4.72	0	0	110	5.74	4,592.96	2.96	0	0	0	0	0	0	0	No	0	10	26.93	262
132000001	13	Education and Outreach	Hondo	Create a public outreach program to educate the community on the benefits of building code enforcement and flood hazard mitigation strategies. Also, coordinate regionally regarding flood early warning systems currently implemented in our region.	Education and Outreach	375,000	375,000	592	5.54	2,211	6.00	3	2.14	5	3.04	67	2.55	15	3.62	1,095.85	2.49	0	0	0	0	0	0	0	No	0	6	26.88	263
032000088	3	Kaufman County Flood Education Program	Kaufman County	Conduct countywide outreach to educate residents on flood hazards, mitigation techniques and promote availability of NFIP flood insurance.	Education and Outreach	50,000	50,000	2,086	6.53	4,193	6.45	0	0	3	2.39	0	0	148	6.06	88,117.98	3.92	0	0	0	0	0	0	0	No	0	6	26.85	264
032000065	3	Leon County Property Acquisition Program	Leon County	Acquire any repetitive loss structures located below the high hazard dams and homes located in the floodplain.	Property acquisition and structural elevation	500,000	5,000,000	428	5.29	636	5.11	6	2.93	5	3.04	0	0	100	5.64	54,925.91	3.76	0	0	0	0	0	0	0	No	0	4	26.77	265
032000046	3	Navarro County Waterways Clearing	Corsicana	Develop a maintenance program to clear waterways of debris and prevent further collection of debris in waterways	Other	75,000	75,000	487	5.39	1,647	5.79	6	2.93	33	5.51	0	0	27	4.25	797.49	2.39	0	0	0	0	0	0	0	No	0	2	26.75	266
062000001	6	City of Bellaire Roadway and Drainage Improvements☐	Bellaire	Perform engineering services in support of the local drainage asset management planning, to repair or reconstruct antiquated local drainage and associated road infrastructure. Including design of storm sewers, roadways, and overland storage/conveyance.	Other	150,000	3,000,000	5,879	7.34	25,741	7.75	71	5.82	0	0	0	0	71	5.28	0.15	0.05	0	0	0	0	0	0	0	No	0	2	26.74	267
062000002	6	City of Bellaire Non-Structural Flood Risk Reduction Strategies☐	Bellaire	Conduct planning and outreach efforts to identify residents interested in buy-out, home elevation, or flood proofing programs, and develop plans or grant applications to support interested parties.☐	Other	2,500	50,000	5,879	7.34	25,741	7.75	71	5.82	0	0	0	0	71	5.28	0.15	0.05	0	0	0	0	0	0	0	No	0	2	26.74	267

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
062000003	6	City of Bellaire Drainage Requirements and Flood Damage Prevention Ordinance ☐	Bellaire	Develop updates to Bellaire's residential and non-residential drainage requirements and the City's flood damage prevention ordinance, in alignment with Bellaire's broader flood risk management goals and objectives.	Other	2,500	50,000	5,879	7.34	25,741	7.75	71	5.82	0	0	0	0	71	5.28	0.15	0.05	0	0	0	0	0	0	0	0	No	0	2	26.74	267
062000004	6	City of Bellaire Surrounding Area Drainage Improvements☐	Bellaire	Partner with surrounding municipalities/governmental agencies to identify drainage improvements (conveyance or detention) which could minimize extreme event sheet flow entering into Bellaire.	Other	5,000	100,000	5,879	7.34	25,741	7.75	71	5.82	0	0	0	0	71	5.28	0.15	0.05	0	0	0	0	0	0	0	0	No	0	2	26.74	267
152000024	15	Alamo # 4-1.1	Alamo	Develop plan to create A Working Evacuation List For Emergency Situations. Prioritize Flood Prone Areas	Regulatory and guidance	1,000	1,000	4,822	7.19	14,357	7.33	4	2.46	0	0	0	0	71	5.28	936.84	2.44	0	0	0	0	0	0	0	0	No	0	8	26.70	271
012000042	1	Deaf Smith County NFIP Involvement	Deaf Smith County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	120	4.29	271	4.50	0	0	18	4.72	25	2.03	76	5.35	54,135.30	3.76	0	0	0	0	0	0	0	0	No	0	8	26.65	272
012000033	1	Carson County NFIP Involvement	Carson County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	87	4.04	190	4.24	4	2.46	10	3.94	12	1.65	36	4.55	43,317.89	3.69	0	0	0	0	0	0	0	0	No	0	8	26.58	273
032000090	3	Parker County Flood and Dam Education	Weatherford, Hudson Oaks, Aledo, Parker County	Create and implement a community-wide educational campaign to educate residents about the NFIP and dam safety	Education and Outreach	50,000	50,000	1,953	6.48	6,748	6.79	7	3.10	0	0	0	0	61	5.11	25,501.05	3.51	0	0	0	0	0	0	0	0	No	0	6	26.51	274
092000037	9	Taylor County New Ordinance - Wetlands and Watershed Ordinance	Coleman County	Adopt wetlands development regulations; Implement a Comprehensive Watershed Ordinance for new development.	Other	5,000	30,000	70	3.87	46	3.23	0	0	10	3.94	0	0	18	3.82	3,492.51	2.87	18	3.64	12	1.86	11	2.77	0	0	No	0	2	26.50	275
092000059	9	Taylor County Gauge/Flood Barrier Program	Taylor County	Install automated creek rain gauges and automated barriers for flooded roadways.	Other	126,200	151,200	70	3.87	46	3.23	0	0	10	3.94	0	0	18	3.82	3,492.51	2.87	18	3.64	12	1.86	11	2.77	0	0	No	0	2	26.50	275
092000056	9	Taylor County	Runnels County	Create and implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real agents and insurance agents and place in local libraries.	Other	5,000	30,000	70	3.87	46	3.23	0	0	10	3.94	0	0	18	3.82	3,492.16	2.87	18	3.64	12	1.86	11	2.77	0	0	No	0	2	26.50	277
092000057	9	Taylor County	Runnels County	Update FIS and FIRM maps once BLE is available	Other	5,000	30,000	70	3.87	46	3.23	0	0	10	3.94	0	0	18	3.82	3,492.16	2.87	18	3.64	12	1.86	11	2.77	0	0	No	0	2	26.50	277
022000052	2	City of Sherman Emergency Alerts	City of Sherman	Maintain and Operate Early Alert System - an outdoor warning system composed of nine sirens throughout the City. Public announcements through the reverse telephonic system and through broadcasting local cable channels.	Flood measurement and warning	250,000	250,000	772	5.75	7,004	6.82	5	2.72	2	1.90	0	0	39	4.64	380.56	2.15	0	0	0	0	0	0	0	0	No	0	10	26.48	279
032000070	3	Walker County Voluntary Buyout Program	Walker County, New Waverly, Riverside	The county and partnering jurisdictions will begin a voluntary buyout program for insured severe repetitive loss properties that are in the floodplain	Regulatory and guidance	500,000	5,000,000	100	4.15	70	3.53	11	3.63	16	4.56	0	0	59	5.08	24,089.45	3.51	0	0	0	0	0	0	0	0	No	0	8	26.46	280
032000094	3	Van Zandt County Flood Safety Improvements and Education	Van Zandt County	Educate community on the dangers of low water crossings	Education and Outreach	50,000	50,000	506	5.42	461	4.88	11	3.63	5	3.04	0	0	37	4.58	18,020.58	3.40	0	0	0	0	0	0	0	0	No	0	6	26.45	281
152000065	15	Willacy County Drainage District No.1 - WCDD1 pump station improvements	Willacy County Drainage District 1	Perform assessment of pump station to make it flood proof and resilient.	Infrastructure projects	80,000	500,000	808	5.79	2,189	5.99	0	0	99	6.96	0	0	22	4.03	1,987.49	2.69	0	0	0	0	0	0	0	0	No	0	4	26.45	282
152000076	15	City of Palmview - Planning, operation & maintenance	Palmview	Develop and Implement a planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	3,778	7.00	11,495	7.17	4	2.46	0	0	0	0	55	5.00	506.50	2.24	0	0	0	0	0	0	0	0	No	0	10	26.38	283
152000048	15	Palmview #7-1.1	Palmview	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	31,000	3,774	6.99	11,496	7.17	4	2.46	0	0	0	0	55	5.00	506.72	2.24	0	0	0	0	0	0	0	0	No	0	10	26.38	284
012000037	1	Moore County NFIP Involvement	Moore County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	75	3.93	228	4.37	4	2.46	10	3.94	13	1.69	29	4.32	38,661.18	3.65	0	0	0	0	0	0	0	0	No	0	8	26.37	285
012000043	1	Wheeler County NFIP Involvement	Wheeler County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	191	4.66	210	4.32	4	2.46	4	2.76	4	1.09	65	5.18	70,021.96	3.84	0	0	0	0	0	0	0	0	No	0	8	26.30	286
052000099	5	Cherokee County Culvert Upgrades	Cherokee County	Develop plan to upgrade major culvert areas which are prone to flooding.	Infrastructure projects	80,000	2,000,000	672	5.64	1,382	5.66	1	1.03	10	3.94	10	1.56	49	4.88	919.82	2.44	0	0	0	0	0	0	0	0	No	0	4	26.16	287
072000061	7	Nolan County Warning System	Nolan County	Install county-wide outdoor warning sirens for any emergency of natural and/or man-made hazardous events. The warning sirens would be strategically placed in the following locations within the County: Cities of Sweetwater, Roscoe, Blackwell, Nolan, Mary	Flood measurement and warning	375,000	375,000	264	4.91	412	4.80	1	1.03	21	4.92	0	0	41	4.69	9,929.29	3.21	0	0	0	0	0	0	0	0	No	0	10	26.06	288
032000140	3	City of Grand Prairie CIP Program	Grand Prairie	Improvement projects throughout the City of Grand Prairie	Infrastructure projects	48,600,000	243,000,000	442	5.31	3,471	6.32	3	2.14	10	3.94	0	0	40	4.67	1,927.26	2.68	0	0	0	0	0	0	0	0	No	0	4	26.06	289
032000087	3	Jack County Flood Education	Jack County	Implement a flood awareness program by providing FEMA / NFIP materials to mortgage lenders, real estate agents and insurance agents	Education and Outreach	50,000	50,000	116	4.27	117	3.90	13	3.83	16	4.56	0	0	55	5.00	5,105.56	2.99	0	0	0	0	0	0	0	0	No	0	6	26.05	290
092000098	9	Sterling Flood Insurance Education Program	Sterling County	Draft flood insurance education program	Other	5,000	30,000	132	4.37	156	4.10	0	0	7	3.48	0	0	5	2.46	1.59	0.40	33	4.25	22	2.22	57	4.25	0	0	No	0	2	26.03	291
092000099	9	Sterling TADD Program	Sterling County	Establish public awareness program regarding dangers of driving across low water crossings through Turn Around Don't Drown.	Other	5,000	30,000	132	4.37	156	4.10	0	0	7	3.48	0	0	5	2.46	1.59	0.40	33	4.25	22	2.22	57	4.25	0	0	No	0	2	26.03	291
032000022	3	Flood Protection Ordinance Updates	Corinth, Hickory Creek, Lake Dallas, Little Elm, Shady Shores, The Colony	Develop and Implement a City and Town flood protection ordinance	Regulatory and guidance	100,000	100,000	381	5.20	1,062	5.47	22	4.44	2	1.90	0	0	31	4.39	1,613.81	2.62	0	0	0	0	0	0	0	0	No	0	8	26.03	293
152000074	15	City of Mercedes - Planning, operation & maintenance	Mercedes	Develop and Implement a planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	4,021	7.04	13,568	7.29	1	1.03	0	0	0	0	77	5.36	2,751.16	2.79	0	0	0	0	0	0	0	0	No	0	10	26.03	294
152000043	15	Mercedes #11-1.1	Mercedes	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	25,000	4,021	7.04	13,565	7.29	1	1.03	0	0	0	0	77	5.36	2,751.87	2.79	0	0	0	0	0	0	0	0	No	0	10	26.03	295
092000024	9	City of Seminole DCM	Gaines County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	108	4.21	332	4.64	0	0	1	1.16	0	0	12	3.39	13.81	1.08	27	4.05	18	2.10	118	4.90	0	0	No	0	2	26.02	296
022000009	2	City of Sherman NFIP Involvement	City of Sherman	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	772	5.75	7,004	6.82	5	2.72	2	1.90	0	0	39	4.64	380.56	2.15	0	0	0	0	0	0	0	0	No	0	8	25.98	297
062000012	6	City of Alvin CRS Application	Alvin	Apply and once accepted maintain and/or improve CRS status. Cost is time, data and preparation of a CRS application. Benefit, if approved homeowner with flood insurance could receive a discount based on the City's CRS score.	Other	1,250	25,000	3,428	6.92	15,209	7.37	18	4.21	0	0	0	0	52	4.94	176.13	1.90	0	0	0	0	0	0	0	0	No	0	2	25.85	298
052000055	5	City of Nacogdoches Study and Ranking of Repetitive Loss Structures	Nacogdoches	Analyze flood-prone properties in the City of Nacogdoches and identify appropriate mitigation options for each repetitive loss structure.	Property acquisition and structural elevation	100,000	327,000	446	5.32	5,331	6.63	1	1.03	0	0	0	0	14	3.55	4.43	0.71	0	0	0	0	0	0	100	7.5	No	0	4	25.74	299
152000064	15	City of South Padre Island - SPI Sand Dune restoration/protection program	South Padre Island	Establish Beach Protection/replenishing program. Build up dunes to protect against tidal surge	Infrastructure projects	120,000	720,000	1,189	6.09	3,379	6.30	0	0	126	7.27	0	0	18	3.82	16.59	1.14	0	0	0	0	0	0	0	0	No	0	4	25.62	300
062000051	6	Maintain Drainage Systems and Culverts in City of Friendswood	Friendswood	Clean & recut drainage ditches, complete work orders related to conveyance systems. Pursue sub-regional drainage improvements.	Infrastructure projects	70,000	1,400,000	1,680	6.36	4,640	6.53	2	1.69	5	3.04	5	1.20	38	4.61	18.37	1.17	0	0	0	0	0	0	0	0	No	0	4	25.61	301
032000135	3	City of Fort Worth HROM Program	Fort Worth	Implement a Hazardous Roadway Overtopping Mitigation (HROM) Program to prioritize hazardous roadway overtopping and identify acceptable, affordable, and effective solutions for construction to maximize impact of available funding and reduce risks.	Infrastructure projects	3,500,000	35,000,000	5,921	7.35	27,286	7.79	0	0	0	0	0	0	185	6.30	7,266.13	3.11	0	0	0	0	0	0	0	0	No	0	4	25.54	302
152000073	15	City of Los Fresnos - Flood Warning System, planning, operation & maintenance	Los Fresnos	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	1,659	6.35	7,463	6.87	3	2.14	0	0	4	1.09	27	4.25	566.61	2.28	0	0	0	0	0	0	0	0	No	0	10	25.47	303
092000049	9	Nolan County	Scurry County	Implement a program for clearing debris from drains, culverts and watershed streams for the purposes of flood reduction and to enhance water run-off throughout the County.	Other	5,000	30,000	90	4.07	23	2.74	0	0	5	3.04	0	0	21	3.98	3,888.31	2.90	23	3.89	4	1.23	7	2.37	10	0.75	No	0	2	25.46	304
042000035	4	City of Longview Flood Mitigation Training Program	Longview	Seek state and FEMA sponsored training in flood mitigation for key personnel.	Regulatory and guidance	2,000	2,000	1,379	6.21	10,126	7.08	9	3.40	0	0	0	0	41	4.69	294.67	2.07	0	0	0	0	0	0	0	0	No	0	8	25.45	305
042000041	4	City of Longview Dam Development	Longview	Promote FEMA-recommended construction methods for any new dam	Regulatory and guidance	10,000	10,000	1,379	6.21	10,126	7.08	9	3.40	0	0	0	0	41	4.69	294.67	2.07	0	0	0	0	0	0	0	0	No	0	8	25.45	305
042000013	4	City of Greenville NFIP Participation	Greenville	Increase NFIP Participation. Greenville participates in the NFIP program and needs to strongly encourage through education additional residents and businesses to purchase and maintain flood insurance.	Regulatory and guidance	10,000	10,000	429	5.29	5,509	6.65	28	4.73	0	0	0	0	26	4.21	1,338.85	2.56	0	0	0	0	0	0	0	0	No	0	8	25.43	307
152000047	15	Palmview #5-1.1	Palmview	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Education and Outreach	1,000	1,000	3,774	6.99	11,496	7.17	4	2.46	0	0	0	0	55	5.00	506.72	2.24	0	0	0	0	0	0	0	0	No	0	6	25.38	308
032000024	3	Freestone County Flood Damage Prevention Ordinance	Freestone County	Develop and Implement a Flood Damage Prevention Ordinance	Regulatory and guidance	100,000	100,000	557	5.50	389	4.76	3	2.14	2	1.90	0	0	91	5.54	21,752.58	3.46	0	0	0	0	0	0	0	0	No	0	8	25.29	309
152000032	15	Hidalgo #5-1.1	Hidalgo	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Education and Outreach	1,000	5,000	3,776	6.99	14,338	7.33	2	1.69	0	0	0	0	54	4.98	1,875.23	2.67	0	0	0	0	0	0	0	0	No	0	6	25.17	310
032000141	3	Drainage improvement projects throughout the City of Hurst.	Hurst	Drainage improvement projects throughout the City of Hurst. One improvement includes a detention pond.	Infrastructure projects	3,600,000	18,000,000	289	4.98	1,281	5.61	10	3.52	39	5.73	0	0	9	3.08	18.09	1.16	0	0	0	0	0	0	0	0	No	0	4	25.09	311
042000034	4	City of Longview Flood Awareness Program	Longview	Promote the "Turn Around Don't Drown" campaign, in partnership with DPS.	Education and Outreach	10,000	10,000	1,379	6.21	10,126	7.08	9	3.40	0	0	0	0	41	4.69	294.67	2.07	0	0	0	0	0	0	0	0	No	0	6	24.95	312
032000073	3	Town Creek Warren Park Extension (Property Acquisition Program)	Burleson	Create a buyout program	Regulatory and guidance	500,000	5,000,000	269	4.93	1,305	5.62	3	2.14	10	3.94	0	0	18	3.82	1,045.64	2.48	0	0	0	0	0	0	0	0	No	0	8	24.92	313
032000018	3	Grayson County Flood Warning and Public Safety Improvements	Grayson County	Create improved gauge notification system. Increased Public Awareness prior to occurrences and during flooding.	Flood measurement and warning	25,000	250,000	436	5.30	541	4.99	5	2.72	1	1.16	0	0	43	4.74	21,311.44	3.46	0	0	0	0	0	0	0	0	No	0	10	24.87	314
022000018	2	Franklin County NFIP Involvement	Franklin County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	455	5.34	2,507	6.09	1	1.03	5	3.04	0	0	39	4.64	1,573.33	2.61	0	0	0	0	0	0	0	0	No	0	8	24.75	315

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalizatio n of select criteria)	Rank (with ArcSinh normalizatio n of select criteria)
032000071	3	Wise County Repetitive Flood Loss Buyout Program	Wise County	Develop a buyout program for repetitive flood loss areas within the county	Regulatory and guidance	500,000	5,000,000	1,118	6.04	1,558	5.75	2	1.69	0	0	0	0	100	5.64	35,896.37	3.62	0	0	0	0	0	0	0	0	No	0	8	24.75	316
032000084	3	Hill County Flooding Education and Outreach Program	Hill County	Develop a coordinated education, outreach, and training program to inform and educate the public about the dangers of flooding and how to prevent flood damages to property.	Education and Outreach	50,000	50,000	127	4.34	109	3.85	5	2.72	18	4.72	0	0	24	4.12	24,901.61	3.51	0	0	0	0	0	0	0	0	No	0	6	24.74	317
092000033	9	Nolan County Ordinance Update SFHA	Scurry County	Adopt higher standards for new construction, increase freeboard requirements for structures in the SFHA; adopt a "no-rise" in BFE in the 100-year floodplain. Update local flood ordinance to prohibit granting of variance in SFHA; Include "cumulative	Other	75,000	100,000	90	4.07	23	2.74	0	0	5	3.04	0	0	21	3.98	3,888.38	2.90	23	3.89	4	1.23	7	2.37	0	0	No	0	2	24.71	318
092000060	9	Nolan County Warning Siren Program	Nolan County	Install county-wide outdoor warning sirens for any emergency of natural and/or man-made hazardous events. The warning sirens would be strategically placed in the following locations within the County: Cities of Sweetwater, Roscoe, Blackwell, Nolan, Maryn	Other	342,972	367,972	90	4.07	23	2.74	0	0	5	3.04	0	0	21	3.98	3,888.38	2.90	23	3.89	4	1.23	7	2.37	0	0	No	0	2	24.71	318
092000079	9	Nolan County Flood Awareness Program	Scurry County	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.	Other	5,000	30,000	90	4.07	23	2.74	0	0	5	3.04	0	0	21	3.98	3,888.31	2.90	23	3.89	4	1.23	7	2.37	0	0	No	0	2	24.71	320
032000052	3	Ten Mile Creek Comprehensive Loss Reduction Program	Lancaster	Develop a comprehensive loss reduction program, involving buy outs and relocation in areas along Ten Mile Creek to reduce losses and repetitive damages. Buyout structures that are in the floodplain. Land Acquisition for repetitive loss structures	Property acquisition and structural elevation	500,000	5,000,000	316	5.05	3,800	6.38	3	2.14	14	4.39	0	0	13	3.47	561.83	2.28	0	0	0	0	0	0	0	0	No	0	4	24.70	321
052000051	5	City of Silsbee Voluntary Flood Buyout	Silsbee	Voluntary flood buyouts.	Property acquisition and structural elevation	40,000	6,000,000	87	4.04	780	5.25	2	1.69	3	2.39	3	0.95	2	1.54	1.20	0.33	0	0	0	0	0	0	100	7.5	No	0	4	24.69	322
042000054	4	Rockwall County Warning Signs and Flood Control Gates	Rockwall County	Install automatic flood warning gates to prevent access into flooded areas. Install warning signs and flood control	Flood measurement and warning	250,000	250,000	191	4.66	673	5.15	0	0	11	4.07	11	1.61	15	3.62	2,828.89	2.80	0	0	0	0	0	0	0	0	No	0	10	24.41	323
032000009	3	Leon County Local Flood Warning System	Leon County	This action proposes a local flood warning system to reduce the potential impacts of future flood events	Flood measurement and warning	25,000	250,000	77	3.95	50	3.29	6	2.93	5	3.04	0	0	100	5.64	5,218.71	3.00	0	0	0	0	0	0	0	0	No	0	10	24.34	324
092000110	9	Glasscock County NFIP Application	Glasscock County	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	141	4.42	74	3.57	0	0	0	0	0	0	34	4.49	25,211.56	3.51	36	4.34	0	0	21	3.35	0	0	No	0	2	24.18	325
092000111	9	Glasscock County DCM	Glasscock County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	141	4.42	74	3.57	0	0	0	0	0	0	34	4.49	25,211.56	3.51	36	4.34	0	0	21	3.35	0	0	No	0	2	24.18	325
032000047	3	Weatherford Biannual Dam Inspection Program	Weatherford	Create and implement a biannual inspection program to inspect the city-owned dams to help prevent dam failure	Other	50,000	50,000	520	5.44	2,170	5.98	5	2.72	6	3.28	0	0	18	3.82	759.01	2.37	0	0	0	0	0	0	0	0	No	0	2	24.11	327
072000016	7	City of Levelland Turn Around, Don't Drown	Levelland	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	Education and Outreach	50,000	50,000	1,277	6.15	4,738	6.54	5	2.72	0	0	0	0	46	4.81	718.18	2.36	0	0	0	0	0	0	0	0	No	0	6	24.07	328
032000139	3	City of Burleson Flood Warning and Safety Improvements	Burleson	Safety improvements at SE Tarrant Ave, N Warren St, SW Johnson Ave, and SE Newton Dr. Safety improvements may include, but are not limited to, high-water warning flashers, staff gauges, flood hazard signs, and additional light fixtures.	Flood measurement and warning	50,000	500,000	113	4.25	462	4.88	8	3.26	19	4.79	0	0	4	2.23	372.21	2.14	0	0	0	0	0	0	0	0	No	0	10	24.04	329
152000044	15	Mercedes #9-1.1	Mercedes	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Other	1,000	1,000	4,021	7.04	13,565	7.29	1	1.03	0	0	0	0	77	5.36	2,751.87	2.79	0	0	0	0	0	0	0	0	No	0	2	24.03	330
072000033	7	Garza County NFIP Participaton	Garza County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	158	4.51	315	4.60	0	0	11	4.07	0	0	98	5.62	10,113.48	3.21	0	0	0	0	0	0	0	0	No	0	8	24.02	331
012000044	1	Sherman County NFIP Involvement	Sherman County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	21	2.93	26	2.82	3	2.14	9	3.81	10	1.56	57	5.04	44,312.84	3.69	0	0	0	0	0	0	0	0	No	0	8	23.99	332
052000056	5	San Augustine County Acquisition and Conversion of Flood Prone Properties	San Augustine County	Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset.	Property acquisition and structural elevation	100,000	530,000	64	3.80	146	4.06	0	0	2	1.90	2	0.75	13	3.47	41.61	1.43	0	0	0	0	0	0	100	7.5	No	0	4	23.91	333
042000055	4	Rockwall County Flood Prevention Ordinance	Rockwall County	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain	Regulatory and guidance	100,000	100,000	191	4.66	673	5.15	0	0	11	4.07	11	1.61	15	3.62	2,828.89	2.80	0	0	0	0	0	0	0	0	No	0	8	23.91	334
032000082	3	Grayson County Flood Insurance and Flood Safety Education Program	Grayson County	Educate residents on NFIP program and importance of purchasing flood insurance. Turn Around Don't Drown Campaign. Educate property owners near high hazard dams of potential dam failure. Better inform residents of mitigation activities to implement in h	Education and Outreach	50,000	50,000	436	5.30	541	4.99	5	2.72	1	1.16	0	0	43	4.74	21,311.44	3.46	0	0	0	0	0	0	0	0	No	0	6	23.87	335
062000048	6	City of Manvel Propery Acquisition	Manvel	Acquire Repetitive Loss (RL) and Severe Repetitive Loss (SRL) properties in the 100-year flood plain, as identified by FEMA and NFIP.	Property acquisition and structural elevation	170,000	1,700,000	1,250	6.13	6,741	6.79	8	3.26	0	0	0	0	43	4.74	178.80	1.91	0	0	0	0	0	0	0	0	No	0	4	23.83	336
152000084	15	City of Combes - Flood Warning System, planning, operation & maintenance	Combes	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	928	5.90	2,347	6.04	2	1.69	0	0	14	1.73	14	3.55	845.45	2.41	0	0	0	0	0	0	0	0	No	0	10	23.82	337
032000034	3	City of Sachse Parks Construction Along Low Lying Areas	Sachse	Establish city parks along low-lying areas	Other	100,000	1,000,000	71	3.88	240	4.41	0	0	6	3.28	0	0	4	2.23	253.78	2.02	0	0	0	0	0	0	100	7.5	No	0	2	23.82	338
032000064	3	Terrell Property Acquisition Program	Terrell	Acquire high risk and repetitive flood-prone structures	Property acquisition and structural elevation	500,000	5,000,000	156	4.50	836	5.30	6	2.93	6	3.28	0	0	23	4.08	1,654.74	2.63	0	0	0	0	0	0	0	0	No	0	4	23.71	339
022000071	2	City of Bonham Floodplain Manager	City of Bonham	Establish a floodplain manager for the city to regulate floodplain development and provide public information concerning flood areas.	Regulatory and guidance	75,000	75,000	151	4.47	1,898	5.89	3	2.14	16	4.56	0	0	8	2.96	91.23	1.69	0	0	0	0	0	0	0	0	No	0	8	23.70	340
152000081	15	City of Alton - Flood Warning System, planning, operation & maintenance	Alton	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	3,163	6.86	9,859	7.06	0	0	0	0	0	0	43	4.74	1,060.61	2.48	0	0	0	0	0	0	0	0	No	0	10	23.65	341
152000054	15	Starr County Hazard Mitigation Plan Action #10	Starr County	Retrofit community center as shelter for flooding events. (Roma)	Infrastructure projects	200,000	2,000,000	629	5.59	2,519	6.09	0	0	104	7.02	0	0	8	2.96	8.48	0.92	0	0	0	0	0	0	0	0	No	0	4	23.58	342
032000100	3	City of Euless Stream Bank Protection Program	Euless	Develop a plan to reduce stream bank erosion impacts due to flooding along specific creeks	Other	250,000	250,000	191	4.66	3,321	6.29	18	4.21	7	3.48	0	0	7	2.82	70.75	1.61	0	0	0	0	0	0	0	0	No	0	2	23.55	343
052000048	5	City of Lumberton Voluntary Flood Buyout	Lumberton	Voluntary flood buyouts.	Property acquisition and structural elevation	90,000	6,000,000	235	4.82	658	5.13	0	0	1	1.16	1	0.46	4	2.23	22.87	1.24	0	0	0	0	0	0	100	7.5	No	0	4	23.54	344
152000056	15	City of Laguna Vista - Laguna Vista Establish/Join Drainage District	Laguna Vista	Develop strategy to secure funding to become/join drainage district	Other	50,000	100,000	1,162	6.07	2,130	5.97	0	0	60	6.30	0	0	14	3.55	17.09	1.15	0	0	0	0	0	0	0	0	No	0	2	23.53	345
042000006	4	Rockwall Countywide Flood Awareness Program	Rockwall County	Develop a public education and awareness website to educate and inform Rockwall County residents/businesses about the natural hazards and the potential ways to mitigate them and the ecological and societal benefits of flooding.	Education and Outreach	2,775	2,775	191	4.66	673	5.15	0	0	11	4.07	11	1.61	15	3.62	3,040.43	2.82	0	0	0	0	0	0	0	0	No	0	6	23.43	346
022000016	2	Delta County NFIP Involvement	Delta County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	121	4.30	85	3.67	2	1.69	8	3.65	0	0	42	4.72	14,658.01	3.33	0	0	0	0	0	0	0	0	No	0	8	23.37	347
032000063	3	Grayson County Buyout of Repetitive Flood Properties	Grayson County	Buyout of repetitive flood properties, which includes any structures found to be located in flood areas that aren't incorporated in NFIP areas.	Property acquisition and structural elevation	500,000	5,000,000	436	5.30	541	4.99	5	2.72	1	1.16	0	0	43	4.74	21,311.44	3.46	0	0	0	0	0	0	0	0	No	0	4	23.37	348
132000047	13	Sinton Flood Mitigation Policy	Sinton	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #2: Adopt higher floodplain standards above the minimum requirements to provide a ddtional flood protection to new development.	Regulatory and guidance	100,000	100,000	762	5.74	2,145	5.98	2	1.69	0	0	87	2.68	15	3.62	69.11	1.60	0	0	0	0	0	0	0	0	No	0	8	23.31	349
032000011	3	Chambers Creek Stream Flow Monitoring System	Everman	Implement a Stream Flow Monitoring system that will allow for historical tracking and constant monitoring of water levels to assist with early warnings to residents	Flood measurement and warning	25,000	250,000	272	4.93	1,006	5.43	4	2.46	8	3.65	0	0	6	2.65	86.03	1.67	0	0	0	0	0	0	0	0	No	0	10	23.30	350
012000035	1	Roberts County NFIP Involvement	Roberts County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	90	4.07	55	3.36	2	1.69	5	3.04	5	1.20	21	3.98	91,030.60	3.93	0	0	0	0	0	0	0	0	No	0	8	23.27	351
052000054	5	Liberty County Property Acquisition	Liberty County	Acquire property located in the floodplain including properties located in subdivisions along the Trinity River.	Property acquisition and structural elevation	500,000	2,140,000	116	4.27	143	4.04	1	1.03	0	0	0	0	7	2.82	1,525.71	2.60	0	0	0	0	0	0	100	7.5	No	0	4	23.26	352
022000026	2	Morris County NFIP Involvement	Morris County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	234	4.82	419	4.81	6	2.93	2	1.90	0	0	38	4.61	395.02	2.16	0	0	0	0	0	0	0	0	No	0	8	23.22	353
032000142	3	Drainage improvement projects throughout the City of Garland.	Garland	Drainage improvement projects throughout the City of Garland. Some alternatives include detention ponds.	Infrastructure projects	21,000,000	105,000,000	1,005	5.96	7,586	6.88	5	2.72	0	0	0	0	30	4.36	627.50	2.31	0	0	0	0	0	0	0	0	No	0	4	23.22	354
062000064	6	Mitigate Repetitive Flood Claim & Severe Repetitive Loss Properties in Galveston County	Galveston County	Grant funding through HMGP may be used to mitigate RFC and SRL properties. Mitigation option will be implemented with property owners as funding and opportunities arise.	Property acquisition and structural elevation	1,500,000	30,000,000	829	5.81	1,455	5.70	8	3.26	1	1.16	1	0.46	31	4.39	37.85	1.40	0	0	0	0	0	0	0	0	No	0	4	23.18	355
072000032	7	Floyd County NFIP Participation	Floyd County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	116	4.27	99	3.78	0	0	4	2.76	0	0	255	6.64	28,586.62	3.55	0	0	0	0	0	0	0	0	No	0	8	22.99	356
012000047	1	Ochiltree County NFIP Involvement	Ochiltree County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	369	5.17	533	4.98	1	1.03	1	1.16	1	0.46	31	4.39	48,149.86	3.72	0	0	0	0	0	0	0	0	No	0	8	22.92	357
092000017	9	Borden County DCM	Borden County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	69	3.86	20	2.64	0	0	2	1.90	0	0	26	4.21	10,470.01	3.23	18	3.64	2	0.85	5	2.07	0	0	No	0	2	22.88	358
012000056	1	City of Canyon Flood Warning Gages	Canyon, Randall County	Install flood warning gages to protect Canyon citizens and downstream communities	Flood measurement and warning	50,000	250,000	206	4.72	823	5.29	0	0	7	3.48	7	1.37	15	3.62	150.26	1.85	0	0	0	0	0	0	0	0	No	0	10	22.83	359
092000014	9	Borden County NFIP Application	Borden County	Application to join NFIP.	Other	5,000	30,000	69	3.86	20	2.64	0	0	2	1.90	0	0	26	4.21	10,470.01	3.23	17	3.58	2	0.85	5	2.07	0	0	No	0	2	22.83	360
012000031	1	Hardeman County NFIP Involvement	Hardeman County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	43	3.49	133	3.99	0	0	6	3.28	6	1.30	54	4.98	59,006.80	3.79	0	0	0	0	0	0	0	0	No	0	8	22.82	361

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
132000048	13	Floodplain Management Training	Sinton	San Patricio County Hazard Mitigation Action Plan - City of Sinton, Action #14: Cross train building inspectors in floodplain management requirements.	Education and Outreach	75,000	75,000	762	5.74	2,145	5.98	2	1.69	0	0	87	2.68	15	3.62	69.11	1.60	0	0	0	0	0	0	0	0	No	0	6	22.81	362
132000046	13	Portland Flood Mitigation Policy	Portland	San Patricio County Hazard Mitigation Action Plan - City of Portland, Action #4: Adopt higher floodplain standards above the minimum requirements to provide a additional flood protection to new development.	Regulatory and guidance	100,000	100,000	285	4.97	600	5.07	3	2.14	0	0	87	2.68	19	3.87	267.55	2.04	0	0	0	0	0	0	0	0	No	0	8	22.76	363
042000047	4	City of Royse City Floodplain Management Ordinances	Royse City	Update Flood Prevention ordinance, adopting a "no-rise" in Base Flood Elevation in the 100-year floodplain.	Regulatory and guidance	10,000	10,000	131	4.36	424	4.82	0	0	8	3.65	8	1.44	19	3.87	1,450.97	2.58	0	0	0	0	0	0	0	0	No	0	8	22.73	364
042000048	4	City of Royse City "StormReady" Program	Royse City	Achieve certification by the National Weather Service as a "StormReady" Community.	Regulatory and guidance	10,000	10,000	131	4.36	424	4.82	0	0	8	3.65	8	1.44	19	3.87	1,450.97	2.58	0	0	0	0	0	0	0	0	No	0	8	22.73	364
092000041	9	Cochran County Drainage Mainace	Hockley County	Create a maintenance program for the ditches and culverts throughout Cochran	Other	23,000	48,000	23	3.00	53	3.33	0	0	0	0	0	0	144	6.03	15,614.36	3.35	6	2.53	3	1.07	13	2.92	0	0	No	0	2	22.73	366
092000042	9	Cochran County Inundation Awareness	Hockley County	Develop programs for school students, civic groups, and the general public about the dangers of flash flooding in the county; to include printed materials placed throughout the county	Other	5,000	30,000	23	3.00	53	3.33	0	0	0	0	0	0	144	6.03	15,614.36	3.35	6	2.53	3	1.07	13	2.92	0	0	No	0	2	22.73	366
092000043	9	Cochran County DCM	Hockley County	Develop, Pass, and Enforce a Commissioners Court Order prohibiting any dumping in ditches and culverts throughout Cochran County to ensure that flood waters don't accumulate and flood roadways or buildings.	Other	75,000	100,000	23	3.00	53	3.33	0	0	0	0	0	0	144	6.03	15,614.36	3.35	6	2.53	3	1.07	13	2.92	0	0	No	0	2	22.73	366
092000101	9	Cochran County NFIP Application	Cochran County	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	23	3.00	53	3.33	0	0	0	0	0	0	144	6.03	15,614.36	3.35	6	2.53	3	1.07	13	2.92	0	0	No	0	2	22.73	366
092000062	9	Cochran County Road Signs Program	Cochran County	Purchase trailer mounted dynamic road signs to warn motorists of a potential hazard or dangers on or near the roadway, which could be rapidly positioned by County personnel before, during or after an event.	Other	23,000	48,000	23	3.00	53	3.33	0	0	0	0	0	0	144	6.03	15,614.11	3.35	6	2.53	3	1.07	13	2.92	0	0	No	0	2	22.73	370
062000027	6	Walker County Public Information and Awareness	Walker County	Purchase high water (flood) indicators for low water river crossing for county roads.	Flood measurement and warning	25,000	122,720	505	5.42	545	5.00	1	1.03	2	1.90	2	0.75	25	4.17	180.47	1.91	0	0	0	0	0	0	0	0	No	0	10	22.67	371
032000004	3	Richardson Flood Warning and Public Safety Improvements	Richardson	Monitor streams and waterways for potential flooding problems including installation of gages, sensors, and precipitation measuring sites.	Flood measurement and warning	25,000	250,000	139	4.41	613	5.08	1	1.03	25	5.15	0	0	7	2.82	81.45	1.65	0	0	0	0	0	0	0	0	No	0	10	22.64	372
042000030	4	City of Kilgore "StormReady" Program	Kilgore	Obtain awareness materials from Texas Floodplain Management Association for distribution to the public. Post public awareness content on social media platforms prior to and during flooding.	Education and Outreach	5,000	5,000	296	5.00	870	5.33	3	2.14	3	2.39	3	0.95	15	3.62	95.78	1.70	0	0	0	0	0	0	0	0	No	0	6	22.63	373
152000022	15	South Padre Island #13	South Padre Island	Adopt higher floodplain standards in local floodplain ordinance	Regulatory and guidance	1,000	5,000	1,847	6.43	5,905	6.70	2	1.69	0	0	0	0	35	4.52	23.87	1.25	0	0	0	0	0	0	0	0	No	0	8	22.61	374
152000023	15	South Padre Island #3	South Padre Island	Adoption erosion control ordinance and prohibit development in high-hazard areas	Regulatory and guidance	1,000	5,000	1,847	6.43	5,905	6.70	2	1.69	0	0	0	0	35	4.52	23.87	1.25	0	0	0	0	0	0	0	0	No	0	8	22.61	374
022000081	2	Flood Safety Awareness Education	City of Denison	Educate the public on flood safety	Education and Outreach	50,000	50,000	355	5.14	3,266	6.28	2	1.69	2	1.90	0	0	29	4.32	107.31	1.74	0	0	0	0	0	0	0	0	No	0	6	22.58	376
052000098	5	Chambers County Property Protection	Chambers County	Project will clear obstacles, widen and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding throughout all participating jurisdictions	Infrastructure projects	200,000	1,000,000	1,175	6.08	1,431	5.69	0	0	0	0	0	0	162	6.15	36,932.59	3.63	0	0	0	0	0	0	0	0	No	0	4	22.55	377
012000034	1	Hemphill County NFIP Involvement	Hemphill County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	101	4.16	76	3.59	0	0	6	3.28	6	1.30	30	4.36	77,405.32	3.87	0	0	0	0	0	0	0	0	No	0	8	22.55	378
152000013	15	Port Isabel Action #21	Port Isabel	Develop a plan to use the internet and social media to warn citizens of disasters and extreme weather on a regular basis as well as how to prepare for such events and mitigate damages	Flood measurement and warning	1,000	500	1,736	6.39	5,912	6.70	1	1.03	0	0	0	0	25	4.17	85.99	1.67	0	0	0	0	0	0	0	0	No	0	10	22.45	379
152000014	15	Port Isabel Action #25	Port Isabel	Develop an early warning system for residents to notify of natural disasters	Flood measurement and warning	1,000	100,000	1,736	6.39	5,912	6.70	1	1.03	0	0	0	0	25	4.17	85.99	1.67	0	0	0	0	0	0	0	0	No	0	10	22.45	379
052000116	5	City of Sour Lake Channel Improvements	Sour Lake	Establish criteria and standards for installing large concrete channels, box culvert, concrete pipe, and/or mechanisms as needed to mitigate drainage ditch erosion and improve water capacity and conveyance.	Infrastructure projects	60,000	500,000	435	5.30	1,687	5.80	7	3.10	3	2.39	3	0.95	8	2.96	7.47	0.88	0	0	0	0	0	0	0	0	No	0	4	22.38	381
052000117	5	City of Sour Lake Drainage Outfalls	Sour Lake	Advance a plan to rectify, enlarge, and maintain outfall channels for the City of Sour Lake, including excavating interior roadside ditches.	Infrastructure projects	60,000	1,000,000	435	5.30	1,687	5.80	7	3.10	3	2.39	3	0.95	8	2.96	7.47	0.88	0	0	0	0	0	0	0	0	No	0	4	22.38	381
052000118	5	City of Sour Lake Stormwater Detention	Sour Lake	Establish criteria and standards to construct water retention ponds to collect stormwater run-off and reduce flooding.	Infrastructure projects	100,000	7,000,000	435	5.30	1,687	5.80	7	3.10	3	2.39	3	0.95	8	2.96	7.47	0.88	0	0	0	0	0	0	0	0	No	0	4	22.38	381
032000067	3	City of Kennedale Property Acquisition Program - Village Creek	Kennedale	Acquire all private property located within the Village Creek 100-year floodplain in the City of Kennedale	Property acquisition and structural elevation	500,000	5,000,000	167	4.55	2,438	6.07	4	2.46	12	4.18	0	0	4	2.23	146.46	1.84	0	0	0	0	0	0	0	0	No	0	4	22.33	384
012000054	1	City of Canyon Establish Stormwater Utility Fee	Canyon, Randall County	Perform stormwater utility rate evaluation and implement a stormwater utility fee to create a dedicated funding source for stormwater projects and storm sewer maintenance	Regulatory and guidance	200,000	200,000	206	4.72	823	5.29	0	0	7	3.48	7	1.37	15	3.62	150.26	1.85	0	0	0	0	0	0	0	0	No	0	8	22.33	385
012000058	1	City of Canyon Floodplain Regulation and Higher Standards (CRS)	Canyon, Randall County	Evaluate existing ordinances and development criteria and update as necessary to implement protective floodplain management standards and consider CRS participation	Regulatory and guidance	100,000	100,000	206	4.72	823	5.29	0	0	7	3.48	7	1.37	15	3.62	150.26	1.85	0	0	0	0	0	0	0	0	No	0	8	22.33	385
072000022	7	City of Plainview Turn Around, Don't Drown	Plainview	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	Education and Outreach	50,000	50,000	980	5.94	2,836	6.17	0	0	2	1.90	0	0	31	4.39	725.75	2.36	0	0	0	0	0	0	0	0	No	0	6	22.27	387
092000126	9	Upton County NFIP Application	Upton County	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	41	3.45	23	2.74	0	0	1	1.16	0	0	34	4.49	6,036.39	3.05	11	3.14	4	1.23	8	2.49	0	0	No	0	2	22.24	388
092000127	9	Upton County DCM	Upton County	Outreach Program: Discuss Stormwater Criteria Design Manual	Other	75,000	100,000	41	3.45	23	2.74	0	0	1	1.16	0	0	34	4.49	6,036.39	3.05	11	3.14	4	1.23	8	2.49	0	0	No	0	2	22.24	388
022000025	2	Marion County NFIP Involvement	Marion County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	313	5.04	452	4.86	4	2.46	1	1.16	0	0	48	4.86	137.31	1.82	0	0	0	0	0	0	0	0	No	0	8	22.21	390
062000016	6	Waller County Elevation Certificate Requirement	Waller County	Require and maintain FEMA elevation certificates for all new/improved building in the special flood hazard area (SFHA).	Regulatory and guidance	2,500	50,000	505	5.42	545	5.00	1	1.03	2	1.90	2	0.75	25	4.17	180.47	1.91	0	0	0	0	0	0	0	0	No	0	8	22.17	391
022000013	2	Camp County NFIP Involvement	Camp County	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	256	4.89	619	5.09	4	2.46	1	1.16	0	0	30	4.36	359.05	2.13	0	0	0	0	0	0	0	0	No	0	8	22.08	392
012000046	1	Lipscomb County NFIP Involvement	Lipscomb County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	100	4.15	78	3.61	0	0	6	3.28	6	1.30	20	3.93	66,275.20	3.82	0	0	0	0	0	0	0	0	No	0	8	22.08	393
062000039	6	City of Santa Fe Stormproof/retrofit New Critical Infrastructure	Santa Fe	New construction and existing critical facilities and infrastructure should include advanced mitigation techniques.	Regulatory and guidance	250,000	5,000,000	400	5.24	748	5.22	1	1.03	9	3.81	9	1.50	4	2.23	12.12	1.03	0	0	0	0	0	0	0	0	No	0	8	22.07	394
092000071	9	City of Mertzon Local Ordinance Evaluation	Mertzon	Examine local flood ordinance to ensure minimum NFIP standards are included for program compliance and to consider possible higher regulatory standards.	Other	5,000	30,000	96	4.12	83	3.65	0	0	4	2.76	0	0	2	1.54	0.69	0.21	24	3.93	11	1.81	25	3.51	0	0	No	0	2	22.02	395
092000114	9	City of Mertzon NFIP Application	Mertzon	Join The NFIP.	Other	5,000	30,000	96	4.12	83	3.65	0	0	4	2.76	0	0	2	1.54	0.69	0.21	24	3.93	11	1.81	25	3.51	0	0	No	0	2	22.02	395
152000011	15	Port Isabel Action #11	Port Isabel	Update floodplain management ordinances to include higher standards required to join the CRS program; Join the CRS program upon adoption of ordinance	Regulatory and guidance	1,000	500	1,736	6.39	5,912	6.70	1	1.03	0	0	0	0	25	4.17	85.99	1.67	0	0	0	0	0	0	0	0	No	0	8	21.95	397
152000012	15	Port Isabel Action #12	Port Isabel	Adopt NFIP model ordinance with higher floodplain standards	Regulatory and guidance	1,000	500	1,736	6.39	5,912	6.70	1	1.03	0	0	0	0	25	4.17	85.99	1.67	0	0	0	0	0	0	0	0	No	0	8	21.95	397
032000092	3	Tarrant County Flood Education	River Oaks	Provide flood risk and mitigation risk mapping materials for property owners in floodplains. Include mitigation techniques	Education and Outreach	65,000	65,000	8	2.17	10	2.14	163	6.79	530	9.16	0	0	0	0	0.48	0.15	0	0	0	0	0	0	0	0	No	0	6	21.93	399
132000055	13	Aransas Pass Flood Mitigation Policy	Aransas Pass	Incorporate higher floodplain management standards into City of Aransas Pass comprehensive plan update.	Regulatory and guidance	81,000	81,000	914	5.88	2,022	5.93	0	0	0	0	138	2.92	32	4.43	4.77	0.73	0	0	0	0	0	0	0	0	No	0	8	21.90	400
152000058	15	Cameron County Drainage District No. 5 - Cameron County Levee Certification	Cameron County Drainage District 5	Coordinate with all on-going FIFs in Cameron County, provide a summary analysis for internal drainage and submit Levee Certfiaction to FEMA. Utilize BWC data for application. Manage review process and coordinate between County, IBWC, and FEMA.	Other	250,000	250,000	469	5.36	4,213	6.46	0	0	68	6.46	0	0	7	2.82	0.62	0.19	0	0	0	0	0	0	0	0	No	0	2	21.79	401
012000041	1	Armstrong County NFIP Involvement	Armstrong County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	24	3.03	13	2.33	0	0	14	4.39	27	2.07	25	4.17	56,990.50	3.77	0	0	0	0	0	0	0	0	No	0	8	21.76	402
032000075	3	Anderson County Flood Education Program	Anderson County	Coordinate and implement a natural hazards public awareness campaign. Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.	Education and Outreach	50,000	50,000	667	5.64	1,408	5.67	0	0	0	0	0	0	73	5.31	36,103.84	3.63	0	0	0	0	0	0	0	0	No	0	6	21.74	403
072000003	7	Callahan County NFIP Coordination Program	Callahan County	County NFIP Compliance program to coordinate and assist local jurisdictions with reviewing the NFIP components to ensure continued compliance.	Regulatory and guidance	25,000	25,000	81	3.99	86	3.68	0	0	12	4.18	0	0	56	5.02	3,073.51	2.83	0	0	0	0	0	0	0	0	No	0	8	21.70	404
152000086	15	City of Elsa - Flood Warning System, planning, operation & maintenance	Elsa	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	1,733	6.38	6,973	6.82	0	0	0	0	0	0	24	4.12	157.23	1.86	0	0	0	0	0	0	0	0	No	0	10	21.69	405
062000043	6	Install Outdoor Early warning System in Walker County	Walker County	Install Outdoor Early warning System to provide citizens early warning of an impending disaster, or an event that would affect the life and/or property of the citizens.	Education and Outreach	42,500	850,000	505	5.42	545	5.00	1	1.03	2	1.90	2	0.75	25	4.17	180.46	1.91	0	0	0	0	0	0	0	0	No	0	6	21.67	406
062000044	6	Walker County Public Hazard Information and Awareness Campaign	Walker County	The county and participating jurisdiction will create and implement an education campaign to educate the public on mitigation techniques for all hazards.	Education and Outreach	1,000	20,000	505	5.42	545	5.00	1	1.03	2	1.90	2	0.75	25	4.17	180.46	1.91	0	0	0	0	0	0	0	0	No	0	6	21.67	406

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalizatio n of select criteria)	Rank (with ArcSinh normalizatio n of select criteria)
062000045	6	Retrofit and Harden the Emergency Operations Center Serving Walker County	Walker County	Retrofit and harden the Emergency Operations Center serving Walker county including city of Huntsville, New Waverly, and Riverside.	Education and Outreach	200,000	4,000,000	505	5.42	545	5.00	1	1.03	2	1.90	2	0.75	25	4.17	180.46	1.91	0	0	0	0	0	0	0	0	No	0	6	21.67	406
042000032	4	City of Kilgore Flood Infrastructure Inspection and Maintenance Program	Kilgore	Investigate the current condition of culverts, headwalls, and repairs to culverts and headwalls□	Other	30,000	30,000	296	5.00	870	5.33	3	2.14	3	2.39	3	0.95	15	3.62	95.78	1.70	0	0	0	0	0	0	0	0	No	0	2	21.63	409
152000071	15	City of La Feria - Flood Warning System, planning, operation & maintenance	La Feria	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	1,411	6.22	3,148	6.25	0	0	0	0	0	0	28	4.29	703.15	2.35	0	0	0	0	0	0	0	0	No	0	10	21.61	410
032000066	3	City of Fate Floodplain Acquisition and Preservation Program	Fate	Acquire, reuse, and preserve open spaces adjacent to floodplain areas to reduce the impacts of flooding	Property acquisition and structural elevation	500,000	500,000	13	2.55	51	3.30	2	1.69	2	1.90	0	0	2	1.54	230.52	1.99	0	0	0	0	0	0	100	7.5	No	0	4	21.48	411
152000010	15	Port Isabel Action #10	Port Isabel	Prepare local evacuation plan	Education and Outreach	1,000	500	1,736	6.39	5,912	6.70	1	1.03	0	0	0	0	25	4.17	85.99	1.67	0	0	0	0	0	0	0	0	No	0	6	21.45	412
072000020	7	City of Munday NFIP Participation	Munday	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	690	5.66	1,065	5.48	4	2.46	0	0	0	0	20	3.93	182.70	1.91	0	0	0	0	0	0	0	0	No	0	8	21.44	413
052000059	5	Trinity County Buyout Program Implementation	Trinity County	Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.	Property acquisition and structural elevation	25,000	100,000	32	3.26	15	2.43	0	0	1	1.16	1	0.46	22	4.03	68.39	1.59	0	0	0	0	0	0	100	7.5	No	0	4	21.43	414
012000059	1	City of Canyon Installation of LWC Gates on Flood-Prone Roadways	Canyon, Randall County	Barrier installation keeps the public from entering high-water areas during flooding events.	Infrastructure projects	200,000	1,000,000	206	4.72	823	5.29	0	0	7	3.48	7	1.37	15	3.62	150.26	1.85	0	0	0	0	0	0	0	0	No	0	4	21.33	415
032000048	3	Richland Hills Semi-Annual Levee Inspections	Richland Hills	Prepare an inspection program of the levee to look for any maintenance problems or levee failure issues	Other	50,000	50,000	404	5.24	1,882	5.88	2	1.69	15	4.48	0	0	7	2.82	3.51	0.64	0	0	0	0	0	0	0	0	No	0	2	21.25	416
092000081	9	City of Big Lake Flood Warning System	Reagan County	Implement an education program to inform and notify residents of evacuation routes and dangers of driving into flooded roads and low-water crossings	Other	5,000	30,000	68	3.85	138	4.02	0	0	2	1.90	0	0	2	1.54	0.10	0.03	17	3.58	12	1.86	40	3.93	0	0	No	0	2	21.20	417
092000082	9	City of Big Lake CTP Program	Reagan County	Draft CTP program	Other	5,000	30,000	68	3.85	138	4.02	0	0	2	1.90	0	0	2	1.54	0.10	0.03	17	3.58	12	1.86	40	3.93	0	0	No	0	2	21.20	417
062000053	6	City of Santa Fe - Harden Existing Critical Facilites and Infrastructure	Santa Fe	Harden existing critical facilites and infrastructure. Specifically City Hall, Maintenance Building, Library, and Community Center.	Infrastructure projects	100,000	2,000,000	400	5.24	748	5.22	1	1.03	9	3.81	9	1.50	4	2.23	12.12	1.03	0	0	0	0	0	0	0	0	No	0	4	21.07	419
062000054	6	City of Santa Fe - Drainge System Maintenance	Santa Fe	Keep areas of concern free of unnecessary debris as needed. Implement and maintain tree, vegetation trimming/removal near, infrastructure, drainage systems and roadside areas.	Infrastructure projects	250	5,000	400	5.24	748	5.22	1	1.03	9	3.81	9	1.50	4	2.23	12.12	1.03	0	0	0	0	0	0	0	0	No	0	4	21.07	419
052000058	5	Shelby County Property Acquisition	Shelby County	Acquire flood prone/repetitive loss properties and convert to open space, parks, boating access, trails, agricultural projects, and/or as a general community asset	Property acquisition and structural elevation	25,000	100,000	15	2.67	8	1.98	0	0	4	2.76	4	1.09	5	2.46	56.07	1.53	0	0	0	0	0	0	100	7.5	No	0	4	20.99	421
032000014	3	Colleyville Flood Warning System	Colleyville	Enhance high water warning system by adding automatic gates on the streets that normally flood	Flood measurement and warning	25,000	250,000	156	4.50	735	5.21	2	1.69	4	2.76	0	0	5	2.46	131.85	1.81	0	0	0	0	0	0	0	0	No	0	10	20.93	422
012000057	1	City of Canyon Stream and Culvert Maintenance	Canyon, Randall County	Perform stream and culvert maintenance	Other	50,000	100,000	206	4.72	823	5.29	0	0	7	3.48	7	1.37	15	3.62	150.26	1.85	0	0	0	0	0	0	0	0	No	0	2	20.83	423
032000133	3	City of Tehuacana NFIP Floodplain Ordinance	Tehuacana	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	3	1.42	2	1.03	277	7.42	145	7.46	0	0	0	0	30.06	1.33	0	0	0	0	0	0	0	0	No	0	8	20.66	424
062000017	6	Develop Program to Optimize Operation of the Flood Gates at Second Cut Outlet in City of Kemah	Kemah	Develop program to integrate with the Harris County Flood Control District for the purpose of optimizing the operation of the flood gates at second cut outlet.	Regulatory and guidance	5,000	100,000	560	5.50	2,792	6.16	7	3.10	0	0	0	0	13	3.47	0.59	0.18	0	0	0	0	0	0	0	0	No	0	8	20.42	425
122000020	12	City of Floresville Floodplain Ordinance and Development Code Update	Floresville	Create a floodplain ordinance and update development code	Regulatory and guidance	100,000	100,000	107	4.20	161	4.13	3	2.14	2	1.90	31	2.15	4	2.23	74.57	1.62	0	0	0	0	0	0	0	0	No	0	8	20.36	426
152000027	15	Edcouch #5-1.1	Edcouch	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Flood measurement and warning	1,000	2,000	953	5.92	3,652	6.36	0	0	0	0	0	0	16	3.69	168.10	1.89	0	0	0	0	0	0	0	0	No	0	10	20.35	427
152000028	15	Edcouch #7-1.1	Edcouch	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	25,000	953	5.92	3,652	6.36	0	0	0	0	0	0	16	3.69	168.10	1.89	0	0	0	0	0	0	0	0	No	0	10	20.35	427
152000017	15	Primera Action #8	Primera	Develop an early warning system to new areas of the jurisdiction to alert residents of impending severe weather	Flood measurement and warning	1,000	75,000	947	5.91	3,020	6.22	0	0	0	0	0	0	12	3.39	605.49	2.30	0	0	0	0	0	0	0	0	No	0	10	20.32	429
152000070	15	City of Primera - planning, operation & maintenance	Primera	Develop and Implement a planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	945	5.91	3,019	6.22	0	0	0	0	0	0	12	3.39	604.29	2.30	0	0	0	0	0	0	0	0	No	0	10	20.32	430
032000101	3	Lewisville Storm Water Utility Fee	Lewisville	Conduct a study to evaluate the implementation of levying a storm water fee for developers to fund developments to the storm water drainage systems	Regulatory and guidance	200,000	200,000	314	5.05	3,793	6.38	0	0	0	0	0	0	32	4.43	868.67	2.42	0	0	0	0	0	0	0	0	No	0	8	20.28	431
152000060	15	City of Progreso - Progreso Storm Ditch improvement Equipment	Progreso	Develop maintenance plan and identify funding strategy to acquire heavy equipment (dozer, long reach excavator) for ditch cleaning operations	Other	50,000	50,000	248	4.86	811	5.28	0	0	46	5.95	0	0	4	2.23	31.27	1.34	0	0	0	0	0	0	0	0	No	0	2	20.16	432
052000126	5	Polk County Facilities Hazard Hardening Retrofit	Polk County	Activities may include but are not limited to: flood proofing, impact resistant windows, storm shutters, roof straps, structural bracing, low-flow plumbing fixtures, roll-up door reinforcement, grounding systems, and surge-protection.	Infrastructure projects	200,000	1,500,000	84	4.01	368	4.72	0	0	8	3.65	8	1.44	17	3.76	62.19	1.56	0	0	0	0	0	0	0	0	No	0	4	20.15	433
052000127	5	Polk County Flood Infrastructure Improvements	Polk County	Implement program to elevate and reinforce roadways and bridges prone to inundation from flooding. Projects may include general road elevation; upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings.	Infrastructure projects	200,000	2,000,000	84	4.01	368	4.72	0	0	8	3.65	8	1.44	17	3.76	62.19	1.56	0	0	0	0	0	0	0	0	No	0	4	20.15	433
152000068	15	City of La Villa - planning, operation & maintenance	La Villa	Develop and Implement a planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	508	5.42	1,880	5.88	2	1.69	0	0	0	0	7	2.82	118.42	1.77	0	0	0	0	0	0	0	0	No	0	10	20.09	435
152000039	15	La Villa #8-1.1	La Villa	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	Flood measurement and warning	1,000	31,000	509	5.43	1,881	5.88	2	1.69	0	0	0	0	7	2.82	117.64	1.77	0	0	0	0	0	0	0	0	No	0	10	20.09	436
152000020	15	Rio Hondo Action #4	Rio Hondo	Adopt ASCE24-05 Flood Resistant Design and Construction to reduce flooding caused by Storm Surge	Regulatory and guidance	1,000	2,000,000	874	5.85	3,926	6.41	0	0	0	0	0	0	15	3.62	398.52	2.17	0	0	0	0	0	0	0	0	No	0	8	20.04	437
122000016	12	Citizen flood education outreach	Floresville	Educate citizens about mitigation strategies prior to any flood conditions, including dangers of debris flooding roads and how to best floodproof homes and businesses.	Education and Outreach	10,000	10,000	107	4.20	161	4.13	3	2.14	2	1.90	31	2.15	4	2.23	74.57	1.62	0	0	0	0	0	0	0	0	No	0	6	19.86	438
152000026	15	Edcouch #3-1.1	Edcouch	Complete Activities Required To Be A Nflp Participating Community	Regulatory and guidance	1,000	5,000	953	5.92	3,652	6.36	0	0	0	0	0	0	16	3.69	168.10	1.89	0	0	0	0	0	0	0	0	No	0	8	19.85	439
152000015	15	Primera Action #1	Primera	Amend subdivision ordinances to require retention or detention ponds in any new subdivision	Regulatory and guidance	1,000	5,000	947	5.91	3,020	6.22	0	0	0	0	0	0	12	3.39	605.49	2.30	0	0	0	0	0	0	0	0	No	0	8	19.82	440
152000016	15	Primera Action #10	Primera	Adopt higher floodplain standards such as freeboard and cumulative substantial damage	Regulatory and guidance	1,000	5,000	947	5.91	3,020	6.22	0	0	0	0	0	0	12	3.39	605.49	2.30	0	0	0	0	0	0	0	0	No	0	8	19.82	440
032000096	3	City of Chico NFIP Education Program	Chico	Distribute information to downstream property owners educating homeowners about the National Flood Insurance Program.	Education and Outreach	50,000	50,000	0	0	0	0	369	7.75	387	8.75	0	0	2	1.54	0.00	0	0	0	0	0	0	0	0	0	No	0	6	19.54	442
062000028	6	City of Bayou Vista Severe Weather Warning Systems	Bayou Vista	Purchase and install severe weather warning systems	Flood measurement and warning	1,750	35,000	1,121	6.04	1,476	5.71	3	2.14	0	0	0	0	8	2.96	0.00	0	0	0	0	0	0	0	0	0	No	0	10	19.34	443
012000039	1	Briscoe County NFIP Involvement	Briscoe County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	36	3.35	23	2.74	0	0	2	1.90	2	0.75	45	4.79	64,354.15	3.81	0	0	0	0	0	0	0	0	No	0	8	19.34	444
032000028	3	San Jacinto County Ordinance to Control Location of Development	San Jacinto County, Shepherd, Coldspring, Point Blank	Strengthen ordinance(s)/code(s) to control location of development, especially in low lying flood hazard areas	Regulatory and guidance	100,000	100,000	270	4.93	875	5.33	4	2.46	0	0	0	0	7	2.82	74.03	1.62	0	0	0	0	0	0	0	0	No	0	8	19.16	445
032000078	3	Glenn Heights-Seagoville-Wilmer Flood Safety Improvements and Education	Glenn Heights, Seagoville, Wilmer	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program	Education and Outreach	50,000	50,000	440	5.31	1,610	5.77	0	0	0	0	0	0	18	3.82	2,059.09	2.70	0	0	0	0	0	0	0	0	No	0	6	19.10	446
152000038	15	La Villa #6-1.1	La Villa	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	Education and Outreach	1,000	1,000	509	5.43	1,881	5.88	2	1.69	0	0	0	0	7	2.82	117.64	1.77	0	0	0	0	0	0	0	0	No	0	6	19.09	447
052000049	5	City of Rose Hill Acres Voluntary Flood Buyout	Rose Hill Acres	Voluntary flood buyouts.	Property acquisition and structural elevation	90,000	5,000,000	134	4.38	278	4.52	0	0	0	0	0	0	2	1.54	0.22	0.07	0	0	0	0	0	0	100	7.5	No	0	4	19.00	448
072000031	7	Fisher County NFIP Participation	Fisher County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	120	4.29	89	3.70	0	0	0	0	0	0	89	5.52	23,747.18	3.49	0	0	0	0	0	0	0	0	No	0	8	19.00	449
032000023	3	Hill County Flooding Regulations Update	Hill County	Catalog, evaluate, and update any floodplain regulations within the City to comply with the latest FEMA regulations.	Regulatory and guidance	100,000	100,000	127	4.34	109	3.85	0	0	1	1.16	0	0	24	4.12	24,901.61	3.51	0	0	0	0	0	0	0	0	No	0	8	18.97	450
062000026	6	Implement Stormwater Management Plan in City of Bayou Vista	Bayou Vista	Implement stormwater management plan to improve drainage during flood and other weather events.	Regulatory and guidance	1,250	25,000	1,121	6.04	1,476	5.71	3	2.14	0	0	0	0	8	2.96	0.00	0	0	0	0	0	0	0	0	0	No	0	8	18.84	451
042000058	4	Kaufman County Agreement to Monitor High Hazard Dams	Kaufman County	Develop a mutual aid agreement with the City of Terrell, City of Kemp, City of Kaufman to monitor High hazard dams with automated monitor to minimize potential dam failure of the structure	Flood measurement and warning	300,000	300,000	79	3.97	100	3.79	0	0	3	2.39	3	0.95	5	2.46	2,566.50	2.77	0	0	0	0	0	0	0	0	No	0	10	18.82	452

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
092000089	9	City of Ballinger Flood Awareness Program	Runnels County	Implement program to cross-train Building Inspectors and Code Enforcement officer regarding NFIP Compliance regulations pertaining to permitting and inspections.	Other	5,000	30,000	13	2.55	127	3.96	0	0	0	0	0	0	15	3.62	99.60	1.72	4	2.13	1	0.52	32	3.73	0	0	No	0	2	18.72	453
092000090	9	City of Ballinger DCM	Runnels County	Consider stormwater criteria for infrastructure and floodplain ordinances to avoid new exposure to flood hazards.	Other	75,000	100,000	13	2.55	127	3.96	0	0	0	0	0	0	15	3.62	99.60	1.72	4	2.13	1	0.52	32	3.73	0	0	No	0	2	18.72	453
092000091	9	City of Ballinger NFIP Cross-Train Program	Runnels County	Establish a hazard mitigation library or hazard information center for use by local residents and schools to educate the public about the top natural hazards affecting the CVCOG region.	Other	8,000	33,000	13	2.55	127	3.96	0	0	0	0	0	0	15	3.62	99.60	1.72	4	2.13	1	0.52	32	3.73	0	0	No	0	2	18.72	453
152000018	15	Rancho Viejo Action #3	Rancho Viejo	Adopt the International Building Code (IBC) and International Residental Code (IRC); revise and update regulatory floodplain maps; adopt higher standards in floodplain ordinances including freeboard, no-rise in the floodplain, cumulative substantial dam	Regulatory and guidance	1,000	5,000	633	5.60	1,980	5.92	0	0	0	0	0	0	10	3.19	228.28	1.99	0	0	0	0	0	0	0	0	No	0	8	18.69	456
062000046	6	City of Cleveland Drainage Maintenance	Cleveland	Removal of debris, silt and vegetation obstacles in drainageways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	Infrastructure projects	250,000	5,000,000	261	4.90	1,037	5.46	0	0	1	1.16	1	0.46	27	4.25	28.88	1.31	0	0	0	0	0	0	0	0	No	0	4	18.54	457
072000062	7	Buffalo Springs Lake Warning System	Buffalo Springs	Flood Warning signals - Sponsor Wish List.	Flood measurement and warning	50,000	50,000	228	4.80	285	4.53	0	0	1	1.16	0	0	8	2.96	1,195.47	2.52	0	0	0	0	0	0	0	0	No	0	10	18.47	458
032000081	3	Fannin County Flood Insurance Education	Fannin County	Develop and distribute information about the availability and need for flood insurance. Public awareness of NFIP.	Education and Outreach	50,000	50,000	139	4.41	93	3.73	5	2.72	1	1.16	0	0	4	2.23	1,782.62	2.65	0	0	0	0	0	0	0	0	No	0	6	18.40	459
042000057	4	Kaufman County Regulation Standards to Protect Open Space Flood-Prone Areas	Kaufman County	Conduct program in conjunction with local communities to incorporate regulatory standards to protect open space flood-prone areas	Regulatory and guidance	100,000	100,000	79	3.97	100	3.79	0	0	3	2.39	3	0.95	5	2.46	2,566.50	2.77	0	0	0	0	0	0	0	0	No	0	8	18.32	460
152000019	15	Rancho Viejo Action #11	Rancho Viejo	Update website with maps and information including StormReady data and links; Mail educational brochures to residents in hazard-prone areas on mitigation measures to reduce damages.	Education and Outreach	1,000	5,000	633	5.60	1,980	5.92	0	0	0	0	0	0	10	3.19	228.28	1.99	0	0	0	0	0	0	0	0	No	0	6	18.19	461
122000014	12	Public Education & Outreach	LaCoste	Create a program to educate the public about specific mitigation actions for flooding hazards	Education and Outreach	35,000	35,000	170	4.57	263	4.48	0	0	5	3.04	23	1.99	4	2.23	1.33	0.36	0	0	0	0	0	0	0	0	No	0	6	18.16	462
072000036	7	Kent County NFIP Cross Train Program	Kent County	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	Regulatory and guidance	25,000	25,000	38	3.39	3	1.30	1	1.03	4	2.76	0	0	41	4.69	3,243.91	2.85	0	0	0	0	0	0	0	0	No	0	8	18.02	463
012000030	1	Cottle County NFIP Involvement	Cottle County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	7	2.07	3	1.30	0	0	5	3.04	5	1.20	33	4.46	71,380.67	3.85	0	0	0	0	0	0	0	0	No	0	8	17.92	464
062000050	6	City of Bayou Vista Management Practices for Securing Windblown Debris in Canals	Bayou Vista	Debris generated by many hazards if the level of intensity allows. Implement plan to remove debris throughout the canal system especially since Bayou Vista is a residential canal community.	Infrastructure projects	5,000	100,000	1,122	6.04	1,476	5.71	3	2.14	0	0	0	0	8	2.96	0.00	0	0	0	0	0	0	0	0	0	No	0	4	17.84	465
032000110	3	City of Combine NFIP Floodplain Ordinance	Combine	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	202	4.70	514	4.95	0	0	2	1.90	0	0	3	1.94	701.34	2.35	0	0	0	0	0	0	0	0	No	0	8	17.84	466
042000060	4	Kaufman County Flood Education Program	Kaufman County	Conduct countywide outreach to educate residents on flood hazards, mitigation techniques and promote availability of NFIP flood insurance.	Education and Outreach	50,000	50,000	79	3.97	100	3.79	0	0	3	2.39	3	0.95	5	2.46	2,566.50	2.77	0	0	0	0	0	0	0	0	No	0	6	17.82	467
092000085	9	City of Miles Flood Awareness Program	Runnels County	Draft flood awareness program	Other	5,000	30,000	9	2.27	99	3.78	0	0	2	1.90	0	0	3	1.94	21.91	1.23	3	1.85	2	0.85	24	3.47	0	0	No	0	2	17.77	468
072000063	7	Dredging Canyon Lakes	Lubbock	Dredging Canyon Lakes	Infrastructure projects	250,000	2,750,000	75	3.93	70	3.53	0	0	16	4.56	0	0	9	3.08	58.97	1.55	0	0	0	0	0	0	0	0	No	0	4	17.64	469
072000039	7	Scurry County NFIP Participation	Scurry County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	13	2.55	23	2.74	0	0	6	3.28	0	0	18	3.82	6,805.37	3.09	0	0	0	0	0	0	0	0	No	0	8	17.47	470
092000103	9	Town of Bronte Flood Insurance Awareness Program	Bronte	Develop flood insurance and awareness program; disseminate materials with new permits and place in the library at City Hall.	Other	5,000	30,000	38	3.39	20	2.64	0	0	2	1.90	0	0	2	1.54	6.05	0.81	10	3.04	4	1.23	7	2.37	0	0	No	0	2	17.42	471
032000095	3	Walker County Floodplain Regulatory Awareness Public Information Campaign	Walker County	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness	Education and Outreach	50,000	50,000	19	2.85	23	2.74	2	1.69	0	0	0	0	59	5.08	24,327.89	3.50	0	0	0	0	0	0	0	0	No	0	6	17.36	472
122000017	12	Updating floodplain ordinances and development code	La Vernia	Updating floodplain ordinances and development code	Regulatory and guidance	50,000	50,000	153	4.48	568	5.03	0	0	0	0	26	2.05	4	2.23	62.16	1.56	0	0	0	0	0	0	0	0	No	0	8	17.36	473
022000031	2	City of Commerce CRS Involvement	City of Commerce	Become an NFIP Community Rating System (CRS) Community	Regulatory and guidance	100,000	100,000	79	3.97	1,179	5.55	1	1.03	0	0	0	0	10	3.19	66.46	1.59	0	0	0	0	0	0	0	0	No	0	8	17.33	474
032000015	3	Haslet Flood Warning System	Haslet	Install flood warning devices to low water crossing.	Flood measurement and warning	25,000	250,000	39	3.41	103	3.81	1	1.03	4	2.76	0	0	2	1.54	527.87	2.26	0	0	0	0	0	0	0	0	No	0	10	17.30	475
132000057	13	Duval County Master Plan- Adopt and Enforce Design Standards and Ordinances in Freer	Duval County	Adopt and enforce design standards and ordinances for new construction projects. Separate design standards exclusively about drainage should be considered.	Regulatory and guidance	100,000	100,000	259	4.90	343	4.67	0	0	0	0	38	2.25	5	2.46	10.36	0.98	0	0	0	0	0	0	0	0	No	0	8	17.26	476
122000006	12	Strengthen floodplain management ordinances	Poth	Adopt higher floodplain standards for new development	Regulatory and guidance	25,000	25,000	69	3.86	100	3.79	0	0	5	3.04	25	2.03	2	1.54	9.76	0.96	0	0	0	0	0	0	0	0	No	0	8	17.22	477
052000092	5	Anderson County Culvert Improvements	Anderson County	Widen culverts to mitigate against future drainage issues that lead to flooding.	Infrastructure projects	100,000	3,000,000	69	3.86	73	3.56	0	0	2	1.90	2	0.75	22	4.03	348.31	2.12	0	0	0	0	0	0	0	0	No	0	4	17.22	478
052000093	5	Anderson County Dam Inspection and Maintenance Program	Anderson County	Work with dam owners to keep dams in excellent condition by visiting dam locations and doing inspections with owners to ensure that dams are properly maintained and failure possibilities are greatly reduced.	Infrastructure projects	10,500	2,000,000	69	3.86	73	3.56	0	0	2	1.90	2	0.75	22	4.03	348.31	2.12	0	0	0	0	0	0	0	0	No	0	4	17.22	478
052000113	5	City of Silsbee Detention, Culverts, Ditches and Channels	Silsbee	Develop plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	100,000	1,500,000	87	4.04	780	5.25	2	1.69	3	2.39	3	0.95	2	1.54	1.20	0.33	0	0	0	0	0	0	0	0	No	0	4	17.19	480
052000114	5	City of Silsbee Drainage Ditches	Silsbee	Develop a program to upgrade drainage ditches and explore converting necessary ditches into curb / sewer construction.	Infrastructure projects	100,000	1,000,000	87	4.04	780	5.25	2	1.69	3	2.39	3	0.95	2	1.54	1.20	0.33	0	0	0	0	0	0	0	0	No	0	4	17.19	480
052000115	5	City of Silsbee Flood Mitigation for Hendrix Development	Silsbee	Explore, plan, and implement flood mitigation strategies within the Hendrix Development.	Infrastructure projects	100,000	5,000,000	87	4.04	780	5.25	2	1.69	3	2.39	3	0.95	2	1.54	1.20	0.33	0	0	0	0	0	0	0	0	No	0	4	17.19	480
152000075	15	City of Palmhurst - Flood Warning System, planning, operation & maintenance	Palmhurst	Develop and implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	246	4.86	879	5.34	0	0	0	0	0	0	4	2.23	456.63	2.21	0	0	0	0	0	0	0	0	No	0	10	17.13	483
132000060	13	Duval County Master Plan- Adopt and Enforce Design Standards and Ordinances in San Diego	Duval County, Jim Wells County	Adopt and enforce design standards and ordinances for new construction projects. Separate design standards exclusively about drainage should be considered.	Regulatory and guidance	100,000	100,000	210	4.73	489	4.92	0	0	0	0	57	2.46	6	2.65	0.81	0.24	0	0	0	0	0	0	0	0	No	0	8	17.01	484
062000035	6	Amending Grimes County Floodplain Ordinance	Grimes County	Prohibit the building of any new structures located down-stream of high hazard dams by amending the floodplain ordinance.	Regulatory and guidance	1,000	20,000	145	4.44	95	3.75	0	0	1	1.16	1	0.46	11	3.29	151.27	1.85	0	0	0	0	0	0	0	0	No	0	8	16.95	485
032000056	3	San Jacinto County Voluntary Property Acquisition & Elevation Program	Shepherd, San Jacinto County	Pursue voluntary acquisition projects for flood prone properties. Elevate homes in low lying or flood prone areas.	Property acquisition and structural elevation	500,000	5,000,000	139	4.41	702	5.18	3	2.14	0	0	0	0	6	2.65	54.92	1.52	0	0	0	0	0	0	0	0	No	0	4	16.90	486
122000015	12	Public education and outreach	La Vernia	Implement public education and outreach programs to educate citizens about mitigation against (flood) hazards; seek partnership with county neighboring communities and San Antonio River Authority.	Education and Outreach	5,000	5,000	153	4.48	568	5.03	0	0	0	0	26	2.05	4	2.23	62.16	1.56	0	0	0	0	0	0	0	0	No	0	6	16.86	487
032000036	3	Sunnyvale Floodplain Preservation Program	Sunnyvale	Restrict future development in high risk areas.	Regulatory and guidance	100,000	100,000	54	3.67	164	4.14	0	0	2	1.90	0	0	6	2.65	1,002.14	2.46	0	0	0	0	0	0	0	0	No	0	8	16.82	488
052000119	5	Houston County Drainage Culvert Upgrades	Houston County	Develop a plan to expand/upgrade drainage culverts to prevent flooded roadways and add signage in low-water crossings.	Infrastructure projects	25,000	3,000,000	17	2.76	16	2.48	0	0	7	3.48	7	1.37	20	3.93	116.87	1.77	0	0	0	0	0	0	0	0	No	0	4	16.79	489
052000120	5	Houston County Flood Infrastructure Maintenance	Houston County	Clear debris from bridges, box culverts, and drainage systems throughout unincorporated county.	Infrastructure projects	121,000	2,000,000	17	2.76	16	2.48	0	0	7	3.48	7	1.37	20	3.93	116.87	1.77	0	0	0	0	0	0	0	0	No	0	4	16.79	489
052000121	5	City of Grapeland Critical Facilites Flood-Proofing	Houston County	Flood proof critical facilities to the 500-year flood that are located in flood-prone areas of the city.	Infrastructure projects	100,000	1,000,000	17	2.76	16	2.48	0	0	7	3.48	7	1.37	20	3.93	116.87	1.77	0	0	0	0	0	0	0	0	No	0	4	16.79	489
052000122	5	City of Kennard Ditch Maintenance Program	Kennard	Implement program to routinely remove debris from drainage ways and roadside ditches to prevent back up of flood velocity and improve conveyance of stream during flood events.	Infrastructure projects	50,000	1,000,000	17	2.76	16	2.48	0	0	7	3.48	7	1.37	20	3.93	116.87	1.77	0	0	0	0	0	0	0	0	No	0	4	16.79	489
152000072	15	City of La Joya - Flood Warning System, planning, operation & maintenance	La Joya	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	Flood measurement and warning	600,000	5,000,000	210	4.73	503	4.94	0	0	0	0	0	0	5	2.46	358.89	2.13	0	0	0	0	0	0	0	0	No	0	10	16.76	493
122000007	12	Education Signage	Poth	Install educational signage such as "Turn around don't drown" at high risk low water crossings.	Education and Outreach	5,000	5,000	69	3.86	100	3.79	0	0	5	3.04	25	2.03	2	1.54	9.76	0.96	0	0	0	0	0	0	0	0	No	0	6	16.72	494
122000009	12	Early warning system education	Poth	Alert the population through education material, media and other methods about enrolling in the early warning system	Education and Outreach	5,000	5,000	69	3.86	100	3.79	0	0	5	3.04	25	2.03	2	1.54	9.76	0.96	0	0	0	0	0	0	0	0	No	0	6	16.72	494
132000024	13	Aransosa McMullen Hazard Mitigation Plan - City of Poteet Action #2	Poteet	Increase local enforcement of the flood damage prevention ordinance by hiring a more full time staff	Regulatory and guidance	530,000	530,000	259	4.90	471	4.89	0	0	0	0	35	2.21	5	2.46	0.76	0.23	0	0	0	0	0	0	0	0	No	0	8	16.69	496
052000057	5	San Augustine County Structure Elevation	San Augustine County	Elevate existing flood prone structures above the base flood elevation to reduce flood losses. Flood proof historical structures at risk from flooding.	Property acquisition and structural elevation	100,000	318,000	64	3.80	146	4.06	0	0	2	1.90	2	0.75	13	3.47	41.61	1.43	0	0	0	0	0	0	0	0	No	0	4	16.41	497

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures raw	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
052000129	5	San Augustine County Bridge Improvements	San Augustine County	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	Infrastructure projects	200,000	2,000,000	64	3.80	146	4.06	0	0	2	1.90	2	0.75	13	3.47	41.61	1.43	0	0	0	0	0	0	0	0	No	0	4	16.41	497
052000130	5	San Augustine County Culvert Upgrades	San Augustine County	Establish a plan to upgrade culverts in county extent. Actions can include but are not limited to: installing/upgrading culverts and headwalls; and enlarging storm water ditches and canals.	Infrastructure projects	200,000	2,000,000	64	3.80	146	4.06	0	0	2	1.90	2	0.75	13	3.47	41.61	1.43	0	0	0	0	0	0	0	0	No	0	4	16.41	497
052000131	5	San Augustine County Facilities Hazard Hardening Retrofit	San Augustine County	Actions can include but are not limited to: installing window screens, storm shutters, window film reinforcements, roof straps, and flood proofing.	Infrastructure projects	200,000	1,500,000	64	3.80	146	4.06	0	0	2	1.90	2	0.75	13	3.47	41.61	1.43	0	0	0	0	0	0	0	0	No	0	4	16.41	497
052000132	5	San Augustine County Detention and Retention Pond Construction	San Augustine County	Construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire.	Infrastructure projects	105,000	3,000,000	64	3.80	146	4.06	0	0	2	1.90	2	0.75	13	3.47	41.61	1.43	0	0	0	0	0	0	0	0	No	0	4	16.41	497
032000099	3	Krugerville waterways stabilization program	Krugerville	Develop waterways stabilization program	Other	297,500	850,000	28	3.15	89	3.70	3	2.14	11	4.07	0	0	2	1.54	28.49	1.31	0	0	0	0	0	0	0	0	No	0	2	16.41	502
122000008	12	Digital signage for communication	Poth	Coordinate with school district to use sign on US 181 for emergency info and safety directions during hazard events.	Education and Outreach	5,000	5,000	69	3.86	100	3.79	0	0	5	3.04	12	1.65	2	1.54	9.76	0.96	0	0	0	0	0	0	0	0	No	0	6	16.34	503
092000065	9	City of Robert Lee Flood Insurance Awareness Program	Coke County	Establish public awareness program regarding availability of flood insurance by disseminating brochures in public places, such as City Hall.	Other	5,000	30,000	42	3.47	37	3.07	0	0	0	0	0	0	2	1.54	1.12	0.31	11	3.14	8	1.63	9	2.59	0	0	No	0	2	16.25	504
032000005	3	Timber Creek Flood Warning System Installation	Lewisville	Purchase and Install Flood Warning Systems in Key Areas Along Timber Creek	Flood measurement and warning	25,000	250,000	140	4.41	475	4.90	1	1.03	0	0	0	0	3	1.94	38.14	1.41	0	0	0	0	0	0	0	0	No	0	10	16.19	505
132000044	13	Odem Flood Mitigation Policy	Odem	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #5: Adopt higher floodplain standards above the minimum requirements to provide a ddtional flood protection to new development.	Regulatory and guidance	100,000	100,000	137	4.40	293	4.55	0	0	0	0	18	1.86	3	1.94	38.44	1.41	0	0	0	0	0	0	0	0	No	0	8	16.16	506
032000137	3	Mobile City NFIP Floodplain Ordinance	Mobile City	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	64	5.70	299	8.41	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	16.11	507
092000092	9	El Dorado Flood Awareness Program	Schleicher County	Promote flood education and dangers of driving into flooded roadways through Turn Around Don't Drown program.	Other	5,000	30,000	20	2.89	173	4.18	0	0	0	0	0	0	1	0.94	1.42	0.37	5	2.35	2	0.85	45	4.03	0	0	No	0	2	16.10	508
052000110	5	City of Lumberton Culverts, Ditches, and Channels	Lumberton	Develop plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	100,000	3,000,000	235	4.82	658	5.13	0	0	1	1.16	1	0.46	4	2.23	22.86	1.24	0	0	0	0	0	0	0	0	No	0	4	16.04	509
062000036	6	Grimes County Property Acquisition	Grimes County	Per NFIP participation, the acquisition of structures located in the 100-year flood plain and in dam inundation areas.	Property acquisition and structural elevation	9,500	95,000	145	4.44	95	3.75	0	0	1	1.16	1	0.46	11	3.29	151.27	1.85	0	0	0	0	0	0	0	0	No	0	4	15.95	510
062000037	6	Property Acquisition Down-Stream of High Hazard Dams in Grimes County	Grimes County	Acquire homes located down-stream of high hazard dams.	Property acquisition and structural elevation	100,000	1,000,000	145	4.44	95	3.75	0	0	1	1.16	1	0.46	11	3.29	151.27	1.85	0	0	0	0	0	0	0	0	No	0	4	15.95	510
032000054	3	Montague County Property Acquisition and Land Preservation Program	Montague County	Acquire and preserve open space adjacent to floodplain areas.	Property acquisition and structural elevation	500,000	5,000,000	0	0	0	0	0	0	3	2.39	0	0	57	5.04	0.00	0	0	0	0	0	0	0	100	7.5	No	0	4	15.93	512
012000025	1	Perryton NFIP Involvement	Perryton	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	304	5.02	479	4.90	0	0	0	0	0	0	7	2.82	18.13	1.16	0	0	0	0	0	0	0	0	No	0	8	15.90	513
132000059	13	Duval County Master Plan- Clean and Maintain Drainage Infrastructure in San Diego	Duval County, Jim Wells County	Clear, clean, and maintain current stormwater drainage infrastructure such as curbs and gutters on roads, culverts, ditches, inlets, and outfalls into San Diego Creek.	Other	205,000	205,000	207	4.72	482	4.91	0	0	0	0	57	2.46	6	2.65	3.55	0.64	0	0	0	0	0	0	0	0	No	0	2	15.89	514
152000001	15	Bayview Action #19	Bayview	Upgrade the Town's website to include local information on hazards, risks, mitigation, protective actions, and applicable ordinances	Flood measurement and warning	1,000	10,000	93	4.09	287	4.54	0	0	0	0	0	0	4	2.23	1,068.81	2.49	0	0	0	0	0	0	0	0	No	0	10	15.85	515
152000061	15	City of Indian Lake - Indian lake Drainage Infrastructure Funding Study	Indian Lake	Develop Plan for funding for future drainage infrastructure	Other	25,000	250,000	207	4.72	535	4.98	0	0	3	2.39	0	0	3	1.94	24.50	1.26	0	0	0	0	0	0	0	0	No	0	2	15.79	516
132000058	13	Duval County Master Plan- Procure Easements for Drainage Infrastructure in Freer	Duval County	Significant structures in Freer's drainage system are on private property, and the city does not have an access or maintenance easement. Freer should procure easements to these locations so structures can be maintained without private party involvement.	Other	20,000	20,000	259	4.90	343	4.67	0	0	0	0	38	2.25	5	2.46	10.36	0.98	0	0	0	0	0	0	0	0	No	0	2	15.76	517
052000123	5	Liberty County Drainage Projects	Liberty County	The county will work with partnering jurisdictions and engineers in order to implement drainage projects throughout the county- including adding ditches, detention ponds and detention basins in identified locations throughout the county.	Infrastructure projects	200,000	2,000,000	116	4.27	143	4.04	1	1.03	0	0	0	0	7	2.82	1,525.71	2.60	0	0	0	0	0	0	0	0	No	0	4	15.76	518
032000089	3	Montague County Flood Education	Montague County	Implement a flood awareness program by providing FEMA / NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.	Education and Outreach	50,000	50,000	0	0	0	0	18	4.21	22	4.98	0	0	57	5.04	0.00	0	0	0	0	0	0	0	0	0	No	0	6	15.73	519
132000045	13	Odem Flood Awareness Program	Odem	San Patricio County Hazard Mitigation Action Plan - City of Odem, Action #15: Implement a flood awareness program by providing FEMA/NFIP materials to mortgage lenders, real estate agents and insurance agents and place them in local libraries.	Education and Outreach	50,000	50,000	137	4.40	293	4.55	0	0	0	0	18	1.86	3	1.94	38.44	1.41	0	0	0	0	0	0	0	0	No	0	6	15.66	520
052000143	5	Van Zandt County Drainage Capacity Upgrades	Van Zandt County	Establish a plan to increase Drainage Capacity; possible actions include installing French Drains, Building Elevation, and Upgrading Undersized Pipe under State Hwy for Water to Run into Creek.	Infrastructure projects	200,000	2,000,000	217	4.76	233	4.39	0	0	0	0	0	0	13	3.47	231.80	1.99	0	0	0	0	0	0	0	0	No	0	4	15.61	521
052000144	5	Van Zandt County Flood Infrastructure Maintenance	Van Zandt County	Adopt and Implement a Program for Clearing Debris from Bridges, Drains and Culverts. Reduce damages caused by flooding by maintaining or restoring drainage capacity.	Infrastructure projects	26,000	2,000,000	217	4.76	233	4.39	0	0	0	0	0	0	13	3.47	231.80	1.99	0	0	0	0	0	0	0	0	No	0	4	15.61	521
052000145	5	Van Zandt County Road Elevation	Van Zandt County	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	Infrastructure projects	200,000	2,000,000	217	4.76	233	4.39	0	0	0	0	0	0	13	3.47	231.80	1.99	0	0	0	0	0	0	0	0	No	0	4	15.61	521
032000091	3	Livingston Flood Damage Mitigation Educational Program	Livingston	Establish an educational program to teach citizens how to mitigate flood damage to their property	Education and Outreach	60,000	60,000	140	4.41	233	4.39	0	0	0	0	0	0	12	3.39	132.80	1.81	0	0	0	0	0	0	0	0	No	0	6	15.50	524
152000002	15	Bayview Action #7	Bayview	Approve and Adopt FEMA Flood Insurance Rate Maps	Regulatory and guidance	1,000	1,000	93	4.09	287	4.54	0	0	0	0	0	0	4	2.23	1,068.81	2.49	0	0	0	0	0	0	0	0	No	0	8	15.35	525
152000003	15	Bayview Action #8	Bayview	Develop cooperative agreement with state and county to address flood risk to roadways leading in and out of town -- outside of jurisdictional boundaries	Regulatory and guidance	1,000	1,000	93	4.09	287	4.54	0	0	0	0	0	0	4	2.23	1,068.81	2.49	0	0	0	0	0	0	0	0	No	0	8	15.35	525
152000004	15	Bayview Action #9	Bayview	Participate in the National Flood Insurance Program	Regulatory and guidance	1,000	1,000	93	4.09	287	4.54	0	0	0	0	0	0	4	2.23	1,068.81	2.49	0	0	0	0	0	0	0	0	No	0	8	15.35	525
132000049	13	Taft Flood Awareness Program	Taft	San Patricio County Hazard Mitigation Action Plan - City of Taft, Action #11: Educate community on the dangers of tow water crossings through the installation of warning signs and promotion of " Turn Around, Don't Drown" program	Education and Outreach	25,000	25,000	89	4.06	180	4.21	0	0	0	0	34	2.19	2	1.54	99.32	1.72	0	0	0	0	0	0	0	0	No	0	6	15.21	528
152000008	15	Indian Lake Action #11	Indian Lake	Adopt revised floodplain ordinance to include model ordinance language and higher NFIP standards such as freeboard	Regulatory and guidance	1,000	500	238	4.83	599	5.06	0	0	0	0	0	0	3	1.94	26.75	1.29	0	0	0	0	0	0	0	0	No	0	8	15.12	529
032000143	3	Infrastructure improvements throughout the City of Terrell.	Terrell	Infrastructure improvements throughout the City of Terrell such as storm drain updates, channel improvements, culvert improvements, railroad crossing upsizing, and street improvements. One improvement includes enhancing a channel with natural grass.	Infrastructure projects	5,800,000	29,000,000	27	3.13	262	4.47	3	2.14	0	0	0	0	5	2.46	118.99	1.77	0	0	0	0	0	0	0	0	No	0	4	14.97	530
152000053	15	Starr County Hazard Mitigation Plan Action #6	Starr County	Building a shelter within a community to serve for flood situations in Rio Grande City.	Infrastructure projects	500,000	10,000,000	97	4.13	377	4.73	0	0	11	4.07	0	0	1	0.94	0.00	0	0	0	0	0	0	0	0	0	No	0	4	14.87	531
032000085	3	Houston County Flood Insurance and Dam Education Program	Houston County	Develop and implement NFIP public education program for residents affected by high flood risk areas. Educate the Public on mitigation activities that can help protect their properties in the event of structural failures and extreme flooding.	Education and Outreach	50,000	50,000	0	0	0	0	5	2.72	18	4.72	0	0	110	5.74	0.00	0	0	0	0	0	0	0	0	0	No	0	6	14.67	532
042000026	4	City of Gladewater Flood Awareness Program	Gladewater	Develop and implement a public education campaign to inform the public about mitigation actions they can take to make their family and home safer. Put information and links to outside resources on city websites and facebook pages.	Education and Outreach	10,000	10,000	146	4.45	225	4.36	0	0	0	0	0	0	4	2.23	307.57	2.08	0	0	0	0	0	0	0	0	No	0	6	14.62	533
042000027	4	City of Gladewater Flood Awareness Program	Gladewater	Develop and implement the "Turn Around, Don't Drown Program"	Education and Outreach	10,000	10,000	146	4.45	225	4.36	0	0	0	0	0	0	4	2.23	307.57	2.08	0	0	0	0	0	0	0	0	No	0	6	14.62	533
152000005	15	Indian Lake Action #2	Indian Lake	Educate property owners about residential mitigation measures for all natural hazards such as the need to elevate structures, implementing residential mitigation measures, install retaining walls, and avoid building in high hazard areas	Education and Outreach	1,000	500	238	4.83	599	5.06	0	0	0	0	0	0	3	1.94	26.75	1.29	0	0	0	0	0	0	0	0	No	0	6	14.62	535
152000009	15	Indian Lake Action #9	Indian Lake	Prepare and advertise local evacuation plan and procedures	Education and Outreach	1,000	500	238	4.83	599	5.06	0	0	0	0	0	0	3	1.94	26.75	1.29	0	0	0	0	0	0	0	0	No	0	6	14.62	535
072000055	7	Lake Stamford Improvements	Haskell County	Expand spillway	Infrastructure projects	400,000	400,000	181	4.62	146	4.06	0	0	0	0	0	0	5	2.46	1,008.98	2.47	0	0	0	0	0	0	0	0	No	0	4	14.60	537

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
032000030	3	Town of Westlake's Floodplain Mitigation Ordinances Review	Westlake	Review and enhance the Town of Westlake's floodplain mitigation ordinances and policies as needed	Regulatory and guidance	100,000	100,000	17	2.76	114	3.88	0	0	3	2.39	0	0	2	1.54	235.65	2.00	0	0	0	0	0	0	0	0	No	0	8	14.57	538
032000080	3	Fannin County Flood Safety Education	Fannin County	Education programs such as "Turn around Don't Drown." Work with local newspaper to run flood safety information. Public education via water bills, social media, and webpage to promote flood safety.	Education and Outreach	50,000	50,000	139	4.41	93	3.73	0	0	0	0	0	0	4	2.23	1,782.62	2.65	0	0	0	0	0	0	0	0	No	0	6	14.52	539
092000067	9	Crockett County Flood Warning Systen	Schleicher County	Enhance early warning system. Assist water district with rainfall observer. Educate community on dangers of low water crossings.	Other	5,000	30,000	9	2.27	99	3.78	0	0	0	0	0	0	1	0.94	5.35	0.77	3	1.85	2	0.85	24	3.47	0	0	No	0	2	14.42	540
092000068	9	Crockett County Flood Insurance Awareness Program	Schleicher County	Establish public awareness program regarding availability of flood insurance by disseminating brochures in public places, such as City Hall.	Other	5,000	30,000	9	2.27	99	3.78	0	0	0	0	0	0	1	0.94	5.35	0.77	3	1.85	2	0.85	24	3.47	0	0	No	0	2	14.42	540
092000107	9	Crockett County DCM	Crockett County	Outreach Program: Discuss Drainage Criteria Manual	Other	75,000	100,000	9	2.27	99	3.78	0	0	0	0	0	0	1	0.94	5.35	0.77	3	1.85	2	0.85	24	3.47	0	0	No	0	2	14.42	540
132000043	13	Ingleside on the Bay Flood Mitigation Policy	Ingleside on the Bay	San Patricio County Hazard Mitigation Action Plan - City of Ingleside on the Bay, Action #11: Adopt ASFPM's "No Adverse Impact" policy to mitigate local flooding.	Regulatory and guidance	100,000	100,000	157	4.50	232	4.39	0	0	0	0	20	1.92	2	1.54	0.00	0	0	0	0	0	0	0	0	0	No	0	8	14.35	543
042000018	4	City of Grand Saline "StormReady" Program	Grand Saline	Obtain certification in the National Weather Service StormReady Program.	Regulatory and guidance	10,000	10,000	82	4.00	178	4.20	1	1.03	0	0	0	0	2	1.54	24.30	1.26	0	0	0	0	0	0	0	0	No	0	8	14.02	544
052000140	5	Trinity County Flood Infrastructure Upgrades	Trinity County	Within the county, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals	Infrastructure projects	200,000	2,000,000	32	3.26	15	2.43	0	0	1	1.16	1	0.46	22	4.03	68.39	1.59	0	0	0	0	0	0	0	0	No	0	4	13.93	545
052000141	5	Trinity County Flood-prone Infrastructure Upgrades	Trinity County	Develop a program to upgrade flood infrastructure in the county. May include general roadway elevation upgrading culverts and installing headwalls; upgrades and reinforcement of bridges and bridge footings; etc.	Infrastructure projects	200,000	2,000,000	32	3.26	15	2.43	0	0	1	1.16	1	0.46	22	4.03	68.39	1.59	0	0	0	0	0	0	0	0	No	0	4	13.93	545
072000051	7	Fisher County Flood Protection Dam	Fisher County	Flood protection dams north of Rotan	Infrastructure projects	75,000	75,000	40	3.43	39	3.11	0	0	0	0	0	0	13	3.47	2,685.55	2.78	0	0	0	0	0	0	0	0	No	0	4	13.80	547
032000130	3	Providence Village NFIP Floodplain Ordinance	Providence Village	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	35	3.33	184	4.22	0	0	2	1.90	0	0	1	0.94	30.07	1.33	0	0	0	0	0	0	0	0	No	0	8	13.71	548
032000042	3	Houston County Maintenance Program	Houston County	Develop a maintenance program to clear debris from bridges, box culverts, and drainage systems throughout. Implement program to clear debris from flood-prone areas, bridges, drains and culverts to prevent overtopping and backup during flash floods	Other	100,000	100,000	0	0	0	0	5	2.72	18	4.72	0	0	110	5.74	0.00	0	0	0	0	0	0	0	0	No	0	2	13.67	549
042000028	4	City of Gladewater Flood Infrastructure Maintenance Program	Gladewater	Implement program to remove debris from drainage culverts when needed to alleviate potential flooding hazards	Other	20,000	20,000	146	4.45	225	4.36	0	0	0	0	0	0	4	2.23	307.57	2.08	0	0	0	0	0	0	0	0	No	0	2	13.62	550
032000026	3	Leon County Floodplain Construction Restrictions Re-Evaluation	Leon County	This action proposes a re-evaluation of all existing floodplain construction restrictions to identify strengths and weaknesses in order to reduce future damages during flood events	Regulatory and guidance	100,000	100,000	0	0	0	0	6	2.93	5	3.04	0	0	100	5.64	0.00	0	0	0	0	0	0	0	0	0	No	0	8	13.61	551
052000134	5	Shelby County Detention and Retention Pond Construction	Shelby County	Establish a plan and necessary standards to construct storm water detention/retention ponds at strategic locations for improved stormwater storage to hold storm water run-off and as a mitigation measure for drought and wildfire	Infrastructure projects	200,000	3,000,000	15	2.67	8	1.98	0	0	4	2.76	4	1.09	5	2.46	56.07	1.53	0	0	0	0	0	0	0	0	No	0	4	13.49	552
052000135	5	Shelby County Drainage Upgrades	Shelby County	Establish a plan to upgrade stormwater conveyance capacity via drainage improvement projects	Infrastructure projects	200,000	2,000,000	15	2.67	8	1.98	0	0	4	2.76	4	1.09	5	2.46	56.07	1.53	0	0	0	0	0	0	0	0	No	0	4	13.49	552
052000136	5	Shelby County Facilities Hazard Hardening Retrofit	Shelby County	Establish a plan to storm-harden and/or retrofit existing and newly constructed critical facilities	Infrastructure projects	200,000	2,000,000	15	2.67	8	1.98	0	0	4	2.76	4	1.09	5	2.46	56.07	1.53	0	0	0	0	0	0	0	0	No	0	4	13.49	552
052000137	5	Shelby County Roadway/Bridge Elevation	Shelby County	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	Infrastructure projects	200,000	2,000,000	15	2.67	8	1.98	0	0	4	2.76	4	1.09	5	2.46	56.07	1.53	0	0	0	0	0	0	0	0	No	0	4	13.49	552
072000007	7	City of Anson NFIP Cross Train Program	Anson	Cross-train Code Officers and Building Inspectors regarding permitting, inspection, and record-keeping requirements of the NFIP Program.	Regulatory and guidance	25,000	25,000	53	3.65	349	4.68	0	0	0	0	0	0	3	1.94	11.92	1.03	0	0	0	0	0	0	0	0	No	0	8	13.30	556
042000043	4	City of Hideaway Floodplain Development Regulations	Hideaway	Mandate 2 FT Freeboard on Hideaway Lakes Dams	Regulatory and guidance	10,000	10,000	249	4.87	364	4.71	0	0	0	0	0	0	1	0.94	4.35	0.71	0	0	0	0	0	0	0	0	No	0	8	13.22	557
062000066	6	Warren Ranch Preservation	Coastal Prairie Conservancy	Acquisition of remaining private interest stake in the 6,004-acre Warren Ranch for floodplain preservation and conservation. Place a conservation easement on the Ranch to conserve ag and natural habitat.	Property acquisition and structural elevation	5,000,000	50,000,000	0	0	0	0	0	0	2	1.90	2	0.75	0	0	239.60	2.00	0	0	0	0	0	0	100	7.5	No	0	4	13.15	558
012000022	1	Sinnett NFIP Involvement	Sinnett	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	67	3.84	47	3.25	0	0	1	1.16	1	0.46	3	1.94	1.68	0.42	0	0	0	0	0	0	0	0	No	0	8	13.05	559
092000125	9	Town of Meadow NFIP Application	Meadow	Application to join NFIP. Encourage adopting minimum FEMA Standards	Other	5,000	30,000	14	2.61	9	2.07	0	0	0	0	0	0	2	1.54	267.89	2.04	4	2.13	1	0.52	3	1.63	0	0	No	0	2	13.02	560
122000001	12	Study the San Antonio River and its tributes	Falls City	When the San Antonio River floods, the city is cutoff from the rest of the county (hospital and EMS) with islands lasting over a week. Install stream gauges and develop a study to identify solutions to flooding. SARA completed a study but County official	Regulatory and guidance	250,000	250,000	37	3.37	53	3.33	0	0	0	0	21	1.94	1	0.94	27.73	1.30	0	0	0	0	0	0	0	0	No	0	8	12.89	561
042000025	4	City of Fate Flood Infrastructure Maintenance☐	Fate	Develop and implement a county-wide pre-disaster debris removal and monitoring contracts☐	Other	100,000	100,000	21	2.93	128	3.96	0	0	1	1.16	1	0.46	3	1.94	164.16	1.88	0	0	0	0	0	0	0	0	No	0	2	12.82	562
042000042	4	City of Hideaway Flood Awareness Program	Hideaway	Conduct public outreach to educate homeowners on flood mitigation measures for their homes.	Education and Outreach	10,500	10,500	249	4.87	364	4.71	0	0	0	0	0	0	1	0.94	4.35	0.71	0	0	0	0	0	0	0	0	No	0	6	12.72	563
042000044	4	City of Hideaway Flood Awareness Program	Hideaway	Public Awareness of Evacuation Routes from rising water from dam failure.	Education and Outreach	10,500	10,500	249	4.87	364	4.71	0	0	0	0	0	0	1	0.94	4.35	0.71	0	0	0	0	0	0	0	0	No	0	6	12.72	563
092000027	9	City of Wellman NFIP Applicaton	Terry County	Application to join the NFIP.	Other	5,000	30,000	9	2.27	99	3.78	0	0	0	0	0	0	0	0	0.00	0	3	1.85	2	0.85	24	3.47	0	0	No	0	2	12.71	565
092000069	9	City of Goldsmith TADD Program	Ector County	Promote Turn Around Don't Drown (TADD)	Other	5,000	30,000	9	2.27	99	3.78	0	0	0	0	0	0	0	0	0.00	0	3	1.85	2	0.85	24	3.47	0	0	No	0	2	12.71	565
092000077	9	City of Westbrook TADD Program	Mitchell County	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" (TADD) Program.	Other	5,000	30,000	9	2.27	99	3.78	0	0	0	0	0	0	0	0	0.00	0	3	1.85	2	0.85	24	3.47	0	0	No	0	2	12.71	565
062000047	6	City of Hilcrest Village Land Acquisition	Hilcrest Village	Purchase additional land for retention pond construction to mitigate flooding in flood zones.	Property acquisition and structural elevation	12,500	250,000	128	4.34	333	4.64	1	1.03	0	0	0	0	2	1.54	0.13	0.04	0	0	0	0	0	0	0	0	No	0	4	12.60	568
032000147	3	Balch Springs Buyout	Balch Springs	Buyout of six (6) flood-prone properties selected on proximity to creek, flood depths, and frequency of flooding	Property acquisition and structural elevation	1,045,000	1,045,000	6	1.95	16	2.48	0	0	0	0	0	0	0	0	0.00	0	6	2.53	6	1.46	16	3.11	0	0	No	0	4	12.52	569
042000019	4	City of Grand Saline Flood Infrastructure Maintenance☐	Grand Saline	Adopt and implement a program for clearing debris from bridges, drains, and culverts☐	Other	100,000	100,000	82	4.00	178	4.20	1	1.03	0	0	0	0	2	1.54	24.30	1.26	0	0	0	0	0	0	0	0	No	0	2	12.52	570
032000008	3	City of Kemp Siren Notification System	Kemp	Install siren notification system for disasters, including dam failure of Kemp Lake Dam	Flood measurement and warning	25,000	250,000	6	1.95	11	2.21	2	1.69	0	0	0	0	5	2.46	92.65	1.69	0	0	0	0	0	0	0	0	No	0	10	12.51	571
032000007	3	Hunt County Flood Warning and Public Safety	Hunt County	Adopt and Promote the program of "Turn Around Don't Drown Campaign." Implement early warning program.	Flood measurement and warning	25,000	250,000	27	3.13	7	1.89	0	0	0	0	0	0	4	2.23	2,159.17	2.71	0	0	0	0	0	0	0	0	No	0	10	12.46	572
122000002	12	San Antonio River drainage ownership study	Falls City	Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and access to areas that need flood control mitigation and erosion control	Education and Outreach	30,000	30,000	37	3.37	53	3.33	0	0	0	0	21	1.94	1	0.94	27.73	1.30	0	0	0	0	0	0	0	0	No	0	6	12.39	573
032000002	3	Lindsay Flood Warning and Public Safety Improvements	Lindsay	Citywide "reverza 911" to enable local emergency officials to notify emergency information pertaining to flood advisories, flood warnings, and flood evacuations.	Flood measurement and warning	25,000	250,000	36	3.35	39	3.11	0	0	0	0	0	0	2	1.54	135.68	1.82	0	0	0	0	0	0	0	0	No	0	10	12.32	574
032000136	3	City of Lindsay Flood Monitoring System	Lindsay	Install flood monitoring equipment throughout the City of Lindsay.	Flood measurement and warning	25,000	250,000	36	3.35	39	3.11	0	0	0	0	0	0	2	1.54	135.68	1.82	0	0	0	0	0	0	0	0	No	0	10	12.32	574
032000013	3	Dalworthington Flood Warning System	Dalworthington Gardens	Purchase and install a technological based high water detection system for low water crossings to mitigate the hazards when the location floods	Flood measurement and warning	30,000	300,000	12	2.49	25	2.80	0	0	3	2.39	0	0	1	0.94	16.49	1.13	0	0	0	0	0	0	0	0	No	0	10	12.25	576
022000032	2	City of Whitewright CRS Involvement	City of Whitewright	Become an NFIP Community Rating System (CRS) Community	Regulatory and guidance	100,000	100,000	17	2.76	299	4.57	1	1.03	0	0	0	0	1	0.94	6.14	0.81	0	0	0	0	0	0	0	0	No	0	8	12.12	577
052000139	5	City of Whitehouse Drainage Capacity Upgrades	Whitehouse	Establish a plan to increase stormwater drainage capacity by completing a hydraulic study, evaluating historical water drainage, then constructing needed improvements.	Infrastructure projects	100,000	1,000,000	33	3.28	98	3.77	0	0	2	1.90	2	0.75	1	0.94	1.57	0.40	0	0	0	0	0	0	0	0	No	0	4	12.04	578
032000031	3	Wills Point Structure Permitting Requirement Update	Wills Point	Increase freeboard requirements for permitting structures in the SFHA; Adopt a "no-rise" in BFE in the 100-year floodplain; Update local flood ordinance	Regulatory and guidance	100,000	100,000	25	3.06	91	3.72	1	1.03	0	0	0	0	1	0.94	24.07	1.26	0	0	0	0	0	0	0	0	No	0	8	12.01	579
132000014	13	Aransosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #3	Jourdanton	Enforcement of flood damage prevention ordinance	Regulatory and guidance	75,000	75,000	18	2.81	113	3.87	0	0	0	0	25	2.03	1	0.94	1.34	0.36	0	0	0	0	0	0	0	0	No	0	8	12.01	580
052000047	5	City of Kountze Flood Buyout	Kountze	Voluntary flood buyouts.	Property acquisition and structural elevation	60,000	6,000,000	3	1.42	2	1.03	0	0	0	0	0	0	1	0.94	0.04	0.01	0	0	0	0	0	0	100	7.5	No	0	4	11.91	581
012000026	1	Miami NFIP Involvement	Miami	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	35	3.33	38	3.09	0	0	0	0	0	0	2	1.54	138.99	1.82	0	0	0	0	0	0	0	0	No	0	8	11.78	582
092000106	9	Town of Point Rock NFIP Application	Point Rock	Join the National Flood Insurance Program (NFIP).	Other	5,000	30,000	9	2.27	7	1.89	0	0	1	1.16	0	0	1	0.94	139.32	1.82	3	1.85	1	0.52	1	0.79	0	0	No	0	2	11.73	583
042000045	4	City of Hideaway Dam Reliability Program☐	Hideaway	The city will remove trees from earthen dams on hideaway lakes #2 and #3 to mitigate erosion and assist with soil adhesion.☐	Other	60,000	60,000	249	4.87	364	4.71	0	0	0	0	0	0	1	0.94	4.35	0.71	0	0	0	0	0	0	0	0	No	0	2	11.72	584

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures raw	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
122000012	12	Update flood information and policies	Kenedy	Identify and compile information on flood hazard areas and residential property in flood zones, establish and implement a volunteer acquisition / elevation program based on FEMA protocol in association with SARA studies, and review permitting process bas	Regulatory and guidance	100,000	100,000	42	3.47	59	3.41	0	0	0	0	22	1.97	0	0	6.01	0.81	0	0	0	0	0	0	0	0	No	0	8	11.66	585
032000079	3	Krum "Turn Around, Don't Drown" Campaign	Krum	Implement "Turn Around, Don't Drown" campaign.	Education and Outreach	50,000	50,000	31	3.23	72	3.55	0	0	0	0	0	0	2	1.54	126.73	1.79	0	0	0	0	0	0	0	0	No	0	6	11.61	586
072000054	7	Lake Benjamin Improvements	Knox County	Reinforcement of slopes and dam spillway	Infrastructure projects	500,000	500,000	16	2.72	10	2.14	0	0	0	0	0	0	10	3.19	1,282.35	2.54	0	0	0	0	0	0	0	0	No	0	4	11.59	587
132000015	13	Atascosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #6	Jourdanton	Install educational signage such as "turn around don't drown" at high risk low water crossings	Education and Outreach	25,000	25,000	18	2.81	113	3.87	0	0	0	0	25	2.03	1	0.94	1.34	0.36	0	0	0	0	0	0	0	0	No	0	6	11.51	588
012000032	1	Knox County NFIP Involvement	Knox County	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	7	2.07	3	1.30	0	0	0	0	0	0	5	2.46	42,191.00	3.68	0	0	0	0	0	0	0	0	No	0	8	11.51	589
052000050	5	City of Rose Hill Acres Voluntary Residential Structure Elevation	Rose Hill Acres	Voluntary elevations of flood prone properties in Rose Hill Acres.	Property acquisition and structural elevation	90,000	6,000,000	134	4.38	278	4.52	0	0	0	0	0	0	2	1.54	0.22	0.07	0	0	0	0	0	0	0	0	No	0	4	11.50	590
052000111	5	City of Rose Hill Acres Flood Control Improvements	Rose Hill Acres	Develop a program to upgrade flood control structures (barriers, berms) for the purpose of protecting critical facilities, potable water sources, and agricultural resources from water contamination and saltwater intrusion.	Infrastructure projects	100,000	3,000,000	134	4.38	278	4.52	0	0	0	0	0	0	2	1.54	0.22	0.07	0	0	0	0	0	0	0	0	No	0	4	11.50	590
052000112	5	City of Rose Hill Acres General Drainage Improvements	Rose Hill Acres	Establish criteria to increase drainage capacity; add stormwater detention basins, box culverts and/or pipes to increase drainage capacity.	Infrastructure projects	100,000	400,000	134	4.38	278	4.52	0	0	0	0	0	0	2	1.54	0.22	0.07	0	0	0	0	0	0	0	0	No	0	4	11.50	590
072000057	7	Ransom Canyon Evacuation Route	Ransom Canyon	As part of the Village's Emergency Operations Plan, construct an alternate evacuation route for residents affected by McMillan Dam failure	Infrastructure projects	500,000	500,000	53	3.65	131	3.98	0	0	1	1.16	0	0	1	0.94	4.66	0.73	0	0	0	0	0	0	0	0	No	0	4	11.46	593
052000095	5	City of Palestine Drainage System Expansion and Maintenance	Palestine	Establish plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads	Infrastructure projects	100,000	2,000,000	14	2.61	42	3.17	0	0	2	1.90	2	0.75	2	1.54	1.77	0.43	0	0	0	0	0	0	0	0	No	0	4	11.40	594
032000132	3	City of Rosser NFIP Floodplain Ordinance	Rosser	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	35	3.33	46	3.23	0	0	0	0	0	0	1	0.94	169.55	1.89	0	0	0	0	0	0	0	0	No	0	8	11.39	595
052000102	5	City of Rusk Culvert Improvements	Rusk	Establish plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	5,000	1,000,000	41	3.45	462	4.88	0	0	0	0	0	0	2	1.54	1.29	0.35	0	0	0	0	0	0	0	0	No	0	4	11.21	596
012000021	1	McLean NFIP Involvement	McLean	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	24	3.03	38	3.09	1	1.03	0	0	0	0	2	1.54	1.97	0.46	0	0	0	0	0	0	0	0	No	0	8	11.16	597
122000004	12	San Antonio River drainage ownership mapping	Kenedy	Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and access to areas that need flood control mitigation and erosion control	Education and Outreach	30,000	30,000	42	3.47	59	3.41	0	0	0	0	21	1.94	0	0	6.01	0.81	0	0	0	0	0	0	0	0	No	0	6	11.13	598
132000016	13	Atascosa McMullen Hazard Mitigation Plan - City of Jourdanton Action #4	Jourdanton	Maintain Storm Drainage System	Infrastructure projects	40,000	40,000	18	2.81	113	3.87	0	0	0	0	25	2.03	1	0.94	1.34	0.36	0	0	0	0	0	0	0	0	No	0	4	11.01	599
052000060	5	City of Groveton Buyout Program Implementation	Groveton	Develop and implement a program to buyout repetitive loss properties and convert to open space, parks, boating access, trails, and/or as a general community asset.	Property acquisition and structural elevation	25,000	100,000	3	1.42	2	1.03	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	100	7.5	No	0	4	10.96	600
032000102	3	City of Retreat NFIP Floodplain Ordinance	Retreat	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	10	2.35	11	2.21	1	1.03	1	1.16	0	0	0	0	208.12	1.96	0	0	0	0	0	0	0	0	No	0	8	10.71	601
072000024	7	City of Ralls NFIP Participation	Ralls	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	15	2.67	93	3.73	0	0	0	0	0	0	4	2.23	0.22	0.07	0	0	0	0	0	0	0	0	No	0	8	10.70	602
072000011	7	City of Dickens NFIP Participation	Dickens	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	42	3.47	19	2.60	1	1.03	0	0	0	0	2	1.54	0.00	0	0	0	0	0	0	0	0	0	No	0	8	10.64	603
032000131	3	Town of Road Runner NFIP Floodplain Ordinance	Road Runner	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	87	4.04	52	3.32	0	0	0	0	0	0	0	0	17.10	1.15	0	0	0	0	0	0	0	0	No	0	8	10.50	604
092000011	9	Town of Loraine NFIP Application	Mitchell County	Join the NFIP.	Other	5,000	30,000	9	2.27	6	1.78	0	0	0	0	0	0	5	2.46	1.22	0.33	3	1.85	1	0.52	1	0.79	0	0	No	0	2	10.49	605
072000052	7	South Lake Improvements Dam Hardening	Jones County	Dam hardening	Infrastructure projects	50,000	50,000	11	2.42	4	1.50	0	0	0	0	0	0	8	2.96	1,524.89	2.60	0	0	0	0	0	0	0	0	No	0	4	10.48	606
052000128	5	City of Henderson Flood Infrastructure Maintenance	Henderson	Establish a plan to conduct various flood control maintenance improvements throughout the City	Infrastructure projects	50,000	1,000,000	37	3.37	97	3.76	0	0	0	0	0	0	2	1.54	5.10	0.76	0	0	0	0	0	0	0	0	No	0	4	10.43	607
012000004	1	Jolly NFIP Involvement	Jolly	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	3	1.42	10	2.14	0	0	2	1.90	3	0.95	1	0.94	10.22	0.98	0	0	0	0	0	0	0	0	No	0	8	10.33	608
022000002	2	City of Bells NFIP Involvement	City of Bells	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	13	2.55	33	2.99	0	0	0	0	0	0	2	1.54	18.39	1.17	0	0	0	0	0	0	0	0	No	0	8	10.25	609
032000033	3	Valley View Floodplain Regulation Updates	Valley View	Update local ordinances to include regulation of floodplain so that the community may participate in NFIP program.	Regulatory and guidance	100,000	100,000	7	2.07	5	1.65	0	0	2	1.90	0	0	1	0.94	91.72	1.69	0	0	0	0	0	0	0	0	No	0	8	10.25	610
032000106	3	City of Angus NFIP Floodplain Ordinance	Angus	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	13	2.55	15	2.43	0	0	0	0	0	0	2	1.54	94.39	1.70	0	0	0	0	0	0	0	0	No	0	8	10.22	611
072000037	7	King County NFIP Participation	King County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	3	1.42	1	0.63	0	0	1	1.16	0	0	7	2.82	409.41	2.17	0	0	0	0	0	0	0	0	No	0	8	10.20	612
042000029	4	City of Gladewater Flood Awareness Program	Gladewater	Develop, implement and promote a public education campaign to encourage the public to register for the Nixle warning system; put link on city websites and facebook pages.	Education and Outreach	10,000	10,000	25	3.06	29	2.90	0	0	0	0	0	0	1	0.94	118.14	1.77	0	0	0	0	0	0	0	0	No	0	6	10.18	613
072000002	7	Borden County NFIP Participation	Borden County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	10	2.35	1	0.63	0	0	0	0	0	0	5	2.46	1,591.72	2.61	0	0	0	0	0	0	0	0	No	0	8	10.05	614
032000104	3	City of Alma NFIP Floodplain Ordinance	Alma	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	6	1.95	14	2.38	0	0	0	0	0	0	2	1.54	363.41	2.14	0	0	0	0	0	0	0	0	No	0	8	10.01	615
092000078	9	Town of Loraine Flood Awareness Program	Mitchell County	Establish a public awareness program regarding availability of flood insurance by disseminating brochures in public places, such as City Hall.	Other	5,000	30,000	8	2.17	5	1.65	0	0	0	0	0	0	5	2.46	1.26	0.34	2	1.47	1	0.52	1	0.79	0	0	No	0	2	9.90	616
032000127	3	Oak Valley NFIP Floodplain Ordinance	Oak Valley	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	11	2.42	25	2.80	0	0	0	0	0	0	1	0.94	71.42	1.61	0	0	0	0	0	0	0	0	No	0	8	9.76	617
042000015	4	City of Fruitvale Flood Emergency Notification System	Fruitvale	Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").	Flood measurement and warning	10,000	10,000	4	1.64	12	2.27	0	0	0	0	0	0	2	1.54	126.89	1.79	0	0	0	0	0	0	0	0	No	0	10	9.74	618
072000043	7	Town of Rochester NFIP Participation	Rochester	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	75,000	75,000	27	3.13	26	2.82	0	0	0	0	0	0	1	0.94	4.58	0.72	0	0	0	0	0	0	0	0	No	0	8	9.61	619
052000133	5	City of San Augustine and City of Broaddus County Facilities Hazard Hardening Retrofit	San Augustine	Construct flood protection, winter storm-hardening, and expansive soils mitigation projects for water distribution networks and wastewater facilities for Cities of Broaddus and San Augustine.	Infrastructure projects	100,000	1,000,000	34	3.31	114	3.88	0	0	0	0	0	0	1	0.94	2.00	0.47	0	0	0	0	0	0	0	0	No	0	4	9.59	620
032000115	3	City of Eureka NFIP Floodplain Ordinance	Eureka	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	2	1.13	3	1.30	0	0	2	1.90	0	0	2	1.54	90.13	1.68	0	0	0	0	0	0	0	0	No	0	8	9.55	621
072000027	7	City of Sweetwater Turn Around, Don't Drown	Sweetwater	Encourage annual public outreach and education activities to improve awareness of flood hazards using Turn Around, Don't Drown program	Education and Outreach	50,000	50,000	8	2.17	4	1.50	0	0	4	2.76	0	0	2	1.54	0.00	0	0	0	0	0	0	0	0	0	No	0	6	9.46	622
032000029	3	Montague County Floodplain Policy Update	Montague County	Increase freeboard requirements for permitting structures in the SFHA; Update local flood ordinance to prohibit granting of variance in SFHA	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	3	2.39	0	0	57	5.04	0.00	0	0	0	0	0	0	0	0	0	No	0	8	9.43	623
062000067	6	Cypress Creek Headwater Acquisition and PReservation	Coastal Prairie Conservancy	Acquisition and restoration of 1,074-acres of ag and natural lands at the headwaters of Cypress Creek.	Property acquisition and structural elevation	1,800,000	18,000,000	0	0	0	0	0	0	0	0	0	0	0	0	8.87	0.93	0	0	0	0	0	0	100	7.5	No	0	4	9.43	624
042000021	4	City of Wills Point Flood Emergency Notification System	Wills Point	Implement and enhance an area-wide telephone Emergency Notification System ("Reverse 911").	Flood measurement and warning	10,200	10,200	12	2.49	29	2.90	0	0	0	0	0	0	0	0	47.20	1.47	0	0	0	0	0	0	0	0	No	0	10	9.37	625
072000006	7	City of Amherst NFIP Participation	Amherst	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	13	2.55	6	1.78	0	0	0	0	0	0	3	1.94	13.94	1.08	0	0	0	0	0	0	0	0	No	0	8	9.35	626
042000014	4	City of Fruitvale "StormReady" Program	Fruitvale	Obtain certification in the National Weather Service StormReady Program.	Regulatory and guidance	10,000	10,000	4	1.64	12	2.27	0	0	0	0	0	0	2	1.54	126.89	1.79	0	0	0	0	0	0	0	0	No	0	8	9.24	627
042000033	4	City of Clarksville City Flood Infrastructure Inspection and Maintenance Program	Clarksville City	Monitor flood-prone areas and remove debris from drainage culverts when needed to alleviate potential flooding hazards.	Other	20,000	20,000	25	3.06	29	2.90	0	0	0	0	0	0	1	0.94	118.14	1.77	0	0	0	0	0	0	0	0	No	0	2	9.18	628
032000001	3	Lavon Warning System	Lavon	Expand the Early Warning Sirens and Local Warning System to notify new populations of impending severe weather or imminent hazards to reduce the loss of life and mitigate the effects of the hazards	Flood measurement and warning	25,000	250,000	4	1.64	4	1.50	0	0	1	1.16	0	0	1	0.94	31.52	1.34	0	0	0	0	0	0	0	0	No	0	10	9.08	629
072000008	7	City of Benjamin NFIP Participation	Benjamin	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	16	2.72	10	2.14	0	0	0	0	0	0	1	0.94	23.13	1.24	0	0	0	0	0	0	0	0	No	0	8	9.04	630
032000117	3	Grays Prairie NFIP Floodplain Ordinance	Grays Prairie	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	18	2.81	18	2.56	0	0	0	0	0	0	0	0	75.90	1.63	0	0	0	0	0	0	0	0	No	0	8	9.00	631
092000086	9	City of Winters Flood Awareness Program	Runnels County	Implement education and awareness program utilizing media, social media, bulletins, flyers, etc. to educate citizens of hazards that can threaten the area and mitigation measures to reduce injuries, fatalities, and property damages.	Other	5,000	30,000	1	0.69	14	2.38	0	0	0	0	0	0	2	1.54	33.34	1.36	1	0.89	0	0	3	1.63	0	0	No	0	2	8.99	632
122000003	12	San Antonio River drainage ownership mapping	Karnes City	Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and access to areas that need flood control mitigation and erosion control	Education and Outreach	30,000	30,000	6	1.95	159	4.12	0	0	0	0	5	1.20	0	0	0.70	0.21	0	0	0	0	0	0	0	0	No	0	6	8.98	633
032000129	3	Post Oak Bend NFIP Floodplain Ordinance	Post Oak Bend	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	6	1.95	4	1.50	1	1.03	0	0	0	0	1	0.94	58.24	1.54	0	0	0	0	0	0	0	0	No	0	8	8.96	634
042000020	4	City of Wills Point "StormReady" Program	Wills Point	Obtain certification in the National Weather Service StormReady Program.	Regulatory and guidance	10,000	10,000	12	2.49	29	2.90	0	0	0	0	0	0	0	0	47.20	1.47	0	0	0	0	0	0	0	0	No	0	8	8.87	635
042000056	4	Wills Point Structure Permitting Requirement Updare	Wills Point	Increase freeboard requirements for permitting structures in the SFHA; Adopt a "no-rise" in BFE in the 100-year floodplain; Update local flood ordinance	Regulatory and guidance	100,000	100,000	12	2.49	29	2.90	0	0	0	0	0	0	0	0	42.70	1.44	0	0	0	0	0	0	0	0	No	0	8	8.83	636

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
092000051	9	City of Blackwell Debris Program	Coke County	Implement maintenance program for clearing debris from drains/culverts.	Other	35,000	60,000	9	2.27	14	2.38	0	0	0	0	0	0	0	0	0.00	0.00	3	1.85	0	0	3	1.63	0	0	No	0		2	8.62	637
092000117	9	City of Blackwell Warning System	Coke County	Install a warning system including outdoor siren to notify residents of severe weather events and implement area-wide telephone Emergency Notification System ("Reverse 911").	Other	35,000	60,000	9	2.27	14	2.38	0	0	0	0	0	0	0	0	0.00	0.00	3	1.85	0	0	3	1.63	0	0	No	0		2	8.62	637
132000056	13	Duval County Master Plan- Refine City of Freer Earthen Channel Maintenance Program	Duval County	Revamp maintenance program for clearing excess debris and vegetation from the earthen channel. Prioritize the cross drains on the upstream side of the earthen channel.	Other	40,000	40,000	37	3.37	46	3.23	0	0	0	0	9	1.50	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0		2	8.61	639
042000012	4	City of Edgewood Flood Infrastructure Maintenance	Edgewood	Adopt and implement a program for clearing debris from bridges, drains, and culverts	Other	100,000	100,000	27	3.13	22	2.70	0	0	0	0	0	0	1	0.94	28.90	1.32	0	0	0	0	0	0	0	0	No	0		2	8.58	640
072000041	7	Town of Impact NFIP Participation	Impact	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	18	2.81	24	2.77	0	0	0	0	0	0	1	0.94	0.00	0	0	0	0	0	0	0	0	0	No	0		8	8.51	641
062000020	6	Promotion of Flood Insurance in City of Arcola	Arcola	Promote the purchase of flood insurance. Advertise the availability, cost, and coverage of flood insurance through the NFIP.	Education and Outreach	2,500	50,000	41	3.45	39	3.11	0	0	0	0	0	0	0	0	1.23	0.33	0	0	0	0	0	0	0	0	No	0		6	8.40	642
062000022	6	Increase Public Awareness of Hazards in City of Arcola	Arcola	Increase public awareness of hazards and hazardous areas. Distribute public awareness information regarding flood hazards.	Education and Outreach	2,500	50,000	41	3.45	39	3.11	0	0	0	0	0	0	0	0	1.23	0.33	0	0	0	0	0	0	0	0	No	0		6	8.40	642
032000116	3	City of Goodlow NFIP Floodplain Ordinance	Goodlow	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	12	2.49	11	2.21	0	0	0	0	0	0	0	0	91.80	1.69	0	0	0	0	0	0	0	0	No	0		8	8.39	644
032000103	3	City of Streetman NFIP Floodplain Ordinance	Streetman	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	4	1.64	3	1.30	0	0	0	0	0	0	3	1.94	50.74	1.50	0	0	0	0	0	0	0	0	No	0		8	8.37	645
042000023	4	City of Wills Point Flood Awareness Program	Wills Point	Educate community on the dangers of low water crossings through the installation of warning signs and promotion of "Turn Around, Don't Drown" Program.	Education and Outreach	10,200	10,200	12	2.49	29	2.90	0	0	0	0	0	0	0	0	47.20	1.47	0	0	0	0	0	0	0	0	No	0		6	8.37	646
012000016	1	Dodson NFIP Involvement	Dodson	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	10	2.35	14	2.38	0	0	0	0	0	0	2	1.54	0.23	0.07	0	0	0	0	0	0	0	0	No	0		8	8.34	647
032000122	3	City of Leona NFIP Floodplain Ordinance	Leona	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	9	2.27	3	1.30	1	1.03	0	0	0	0	0	0	100.03	1.72	0	0	0	0	0	0	0	0	No	0		8	8.32	648
072000019	7	City of Moran NFIP Participation	Moran	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	18	2.81	16	2.48	0	0	0	0	0	0	1	0.94	0.00	0	0	0	0	0	0	0	0	0	No	0		8	8.22	649
032000072	3	City of Chico Property Acquisition Program	Chico	City will acquire property and structures in the flood zone along Dry Creek and its tributaries and remove structures to prevent loss of life and property during flooding events.	Property acquisition and structural elevation	500,000	5,000,000	0	0	0	0	1	1.03	17	4.64	0	0	2	1.54	0.00	0	0	0	0	0	0	0	0	0	No	0		4	8.21	650
072000044	7	Town of Smyer NFIP Participation	Smyer	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	6	1.95	11	2.21	0	0	0	0	0	0	1	0.94	9.22	0.95	0	0	0	0	0	0	0	0	No	0		8	8.05	651
082000933	8	City of Hutto Acquire Flood Prone Land	Hutto	Dedicate acquired, undeveloped land to open space areas to prevent development.	Other	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	100	7.5	No	0		2	8.00	652
032000055	3	Montague County Sewage Treatment Plants and Sewage Lift Stations Flood-Proofing Program	Montague County	Flood-proof sewage treatment plants in flood hazard / low-lying areas within Region 3. Raise electrical components of sewage lift stations above the Base Flood Elevation (BFE)	Other	50,000	500,000	0	0	0	0	0	0	3	2.39	0	0	57	5.04	0.00	0	0	0	0	0	0	0	0	0	No	0		2	7.93	653
032000109	3	Carl's Corner NFIP Floodplain Ordinance	Carl's Corner	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	7	2.07	17	2.52	0	0	0	0	0	0	0	0	28.19	1.31	0	0	0	0	0	0	0	0	No	0		8	7.90	654
072000042	7	Town of Lockney NFIP Participation	Lockney	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	7	2.07	7	1.89	0	0	0	0	0	0	3	1.94	0.00	0	0	0	0	0	0	0	0	0	No	0		8	7.90	655
152000059	15	Sewer Manhole Rainguards	Hidalgo County	Installation of rainguards in existing manholes will keep rainwater from entering sewer collection system.	Infrastructure projects	50,000	200,000	3	1.42	20	2.64	0	0	4	2.76	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0		4	7.82	656
012000006	1	Hedley NFIP Involvement	Hedley	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	2	1.13	137	4.01	0	0	0	0	0	0	0	0	2.44	0.53	0	0	0	0	0	0	0	0	No	0		8	7.67	657
032000111	3	Cayote Flats NFIP Floodplain Ordinance	Coyote Flats	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	7	2.07	16	2.48	0	0	0	0	0	0	0	0	15.78	1.12	0	0	0	0	0	0	0	0	No	0		8	7.67	658
012000009	1	Lakeview NFIP Involvement	Lakeview	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	10	2.35	5	1.65	0	0	0	0	0	0	1	0.94	2.48	0.53	0	0	0	0	0	0	0	0	No	0		8	7.47	659
012000029	1	Matador NFIP Involvement	Matador	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	8	2.17	10	2.14	0	0	0	0	0	0	1	0.94	0.57	0.18	0	0	0	0	0	0	0	0	No	0		8	7.43	660
042000022	4	City of Wills Point Flood Infrastructure Maintenance	Wills Point	Adopt and implement a program for clearing debris from bridges, drains and culverts.	Other	51,000	51,000	12	2.49	29	2.90	0	0	0	0	0	0	0	0	47.20	1.47	0	0	0	0	0	0	0	0	No	0		2	7.37	661
062000019	6	Public Information and Awareness in City of New Waverly	New Waverly	Rewrite, improve, and implement new local floodplain regulations, to include a public information campaign on regulatory awareness.	Education and Outreach	500	10,000	23	3.00	19	2.60	0	0	0	0	0	0	0	0	0.90	0.26	0	0	0	0	0	0	0	0	No	0		6	7.36	662
032000025	3	Caney City Floodproofing Ordinances	Caney City	Implement ordinances to ensure new housing developments meet current floodproofing, as well as ensure that critical facilities owned by jurisdiction are protected from flood.	Regulatory and guidance	100,000	100,000	8	2.17	4	1.50	0	0	0	0	0	0	1	0.94	4.06	0.68	0	0	0	0	0	0	0	0	No	0		8	7.29	663
092000050	9	City of Blackwell	Coke County	Establish, adopt and implement a "green infrastructure" program for parks, nature preserves, greenbelts, etc.	Other	5,000	30,000	2	1.13	14	2.38	0	0	0	0	0	0	0	0	0.00	0	1	0.89	0	0	3	1.63	10	0.75	No	0		2	7.29	664
062000021	6	City of Todd Mission Public Outreach & Education	Todd Mission	Provide educational information related to preparedness, mitigation, response, and recovery to the public.	Education and Outreach	1,000	20,000	20	2.89	16	2.48	0	0	0	0	0	0	0	0	1.28	0.35	0	0	0	0	0	0	0	0	No	0		6	7.21	665
012000003	1	Dean NFIP Involvement	Dean	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	3	1.42	2	1.03	0	0	1	1.16	2	0.75	0	0	6.43	0.83	0	0	0	0	0	0	0	0	No	0		8	7.20	666
022000003	2	City of Cooper NFIP Involvement	City of Cooper	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	6	1.95	11	2.21	0	0	0	0	0	0	0	0	8.20	0.91	0	0	0	0	0	0	0	0	No	0		8	7.07	667
072000028	7	City of Weinert NFIP Participation	Weinert	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	11	2.42	15	2.43	0	0	0	0	0	0	0	0	0.45	0.14	0	0	0	0	0	0	0	0	No	0		8	7.00	668
042000046	4	City of Winona Flood Awareness Program	Winona	Conduct public outreach to homeowners and residents on flood mitigation measures for their residens.	Education and Outreach	104,000	104,000	8	2.17	8	1.98	0	0	0	0	0	0	0	0	25.93	1.28	0	0	0	0	0	0	0	0	No	0		6	6.94	669
122000005	12	San Antonio River drainage ownership mapping	Runge	Develop ownership and access understanding parcels fronting the San Antonio River and major tributaries to have better agreements and access to areas that need flood control mitigation and erosion control	Education and Outreach	30,000	30,000	4	1.64	14	2.38	0	0	0	0	4	1.09	0	0	1.09	0.31	0	0	0	0	0	0	0	0	No	0		6	6.92	670
032000125	3	City of Nevada NFIP Floodplain Ordinance	Nevada	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	4	1.64	7	1.89	0	0	0	0	0	0	0	0	32.04	1.35	0	0	0	0	0	0	0	0	No	0		8	6.88	671
072000026	7	City of Ropesville NFIP Participation	Ropesville	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	12	2.49	13	2.33	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0		8	6.82	672
022000011	2	City of Wolfe NFIP Involvement	City of Wolfe	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	9	2.27	16	2.48	0	0	0	0	0	0	0	0	0.07	0.02	0	0	0	0	0	0	0	0	No	0		8	6.76	673
062000059	6	Hardening of Critical Facilities in City of Mission Todd	Todd Mission	Protecting critical facilities such as hospitals, fire stations, police stations and water treatment plants can help keep them operational during severe storms.	Infrastructure projects	1,250	25,000	17	2.76	16	2.48	0	0	0	0	0	0	0	0	1.12	0.31	0	0	0	0	0	0	0	0	No	0		4	6.55	674
092000012	9	City of Blackwell NFIP Application	Coke County	Join the NFIP.	Other	5,000	30,000	2	1.13	14	2.38	0	0	0	0	0	0	0	0	0.00	0.00	1	0.89	0	0	3	1.63	0	0	No	0		2	6.54	675
092000080	9	City of Blackwell Flood Insurance Awareness Program	Coke County	Implement a public awareness program regarding availability of flood insurance.	Other	5,000	30,000	2	1.13	14	2.38	0	0	0	0	0	0	0	0	0.00	0	1	0.89	0	0	3	1.63	0	0	No	0		2	6.54	676
132000011	13	Atascosa McMullen Hazard Mitigation Plan - City of Charlotte Action #7	Charlotte	The enforcement of the flood damage prevention ordinance	Regulatory and guidance	75,000	75,000	3	1.42	4	1.50	0	0	0	0	10	1.56	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0		8	6.48	677
072000023	7	City of Putnam NFIP Participation	Putnam	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	4	1.64	7	1.89	0	0	0	0	0	0	1	0.94	0.00	0	0	0	0	0	0	0	0	0	No	0		8	6.47	678
032000053	3	Midway Property Acquisition and Elevation Program	Midway	Acquire existing homes located in the identified special flood hazard area (the 100-year floodplain	Property acquisition and structural elevation	500,000	5,000,000	2	1.13	6	1.78	1	1.03	0	0	0	0	0	0	41.82	1.43	0	0	0	0	0	0	0	0	No	0		4	6.38	679
032000123	3	City of Midway NFIP Floodplain Ordinance	Midway	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	2	1.13	6	1.78	0	0	0	0	0	0	0	0	41.81	1.43	0	0	0	0	0	0	0	0	No	0		8	6.35	680
032000107	3	City of Bedias NFIP Floodplain Ordinance	Bedias	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	5	1.81	3	1.30	0	0	0	0	0	0	0	0	19.52	1.19	0	0	0	0	0	0	0	0	No	0		8	6.30	681
032000119	3	City of Iola NFIP Floodplain Ordinance	Iola	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	6	1.95	2	1.03	0	0	0	0	0	0	0	0	21.03	1.21	0	0	0	0	0	0	0	0	No	0		8	6.20	682
092000013	9	City of Westbrook NFIP Application	Mitchell County	Join the NFIP	Other	5,000	30,000	2	1.13	5	1.65	0	0	0	0	0	0	1	0.94	0.50	0.16	1	0.89	0	0	1	0.79	0	0	No	0		2	6.06	683
032000037	3	Itasca Zoning Regulations and Land Use Planning Mechanisms	Itasca	Establish zoning regulations to prohibit residential construction in flood prone areas. Implement strategic land-use planning mechanisms to ensure flood-resistant development occurs in flood-prone areas.	Regulatory and guidance	100,000	100,000	4	1.64	2	1.03	0	0	0	0	0	0	0	0	25.80	1.28	0	0	0	0	0	0	0	0	No	0		8	5.95	684
072000030	7	Dawson County NFIP Participation	Dawson County	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	3	1.94	158.50	1.87	0	0	0	0	0	0	0	0	No	0		8	5.80	685
022000076	2	City of Winfield NFIP	Titus County	Participate in NFIP	Regulatory and guidance	50,000	50,000	4	1.64	0	0	1	1.03	0	0	0	0	1	0.94	0.33	0.10	0	0	0	0	0	0	0	0	No	0		8	5.72	686
022000001	2	City of Avinger NFIP Involvement	City of Avinger	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	1	0.69	8	1.98	0	0	0	0	0	0	1	0.94	0.16	0.05	0	0	0	0	0	0	0	0	No	0		8	5.67	687
032000126	3	Oak Grove NFIP Floodplain Ordinance	Oak Grove	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	3	1.42	1	0.63	0	0	0	0	0	0	0	0	66.18	1.58	0	0	0	0	0	0	0	0	No	0		8	5.64	688
022000074	2	City of Sadler Lift Station Flood-Proofing	City of Sadler	Raise electrical panels and connections on lift stations above expected flood levels in flood-prone areas.	Property acquisition and structural elevation	100,000	100,000	6	1.95	2	1.03	0	0	0	0	0	0	1	0.94	3.11	0.60	0	0	0	0	0	0	0	0	No	0		4	5.52	689
032000114	3	City of Emhouse NFIP Floodplain Ordinance	Emhouse	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	3	1.42	2	1.03	0	0	0	0	0	0	0	0	10.03	0.97	0	0	0	0	0	0	0	0	No	0		8	5.43	690
022000006	2	City of Douglassville NFIP Involvement	City of Douglassville	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	1	0.69	2	1.03	0	0	0	0	0	0	1	0.94	5.18	0.76	0	0	0	0	0	0	0	0	No	0		8	5.42	691
092000019	9	City of Ackerly NFIP Application	Dawson County	Application to join the NFIP.	Other	5,000	30,000	2	1.13	2	1.03	0	0	0	0	0	0	2	1.54	0.29	0.09	1	0.89	0	0	0	0	0	0	No	0		2	5.19	692
042000061	4	City of Nevada NFIP Floodplain Ordinance	Nevada	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	1	0.69	3	1.30	0	0	0	0	0	0	0	0	10.55	0.99	0	0	0	0	0	0	0	0	No	0		8	4.98	693
082000857	8	Project Brazos	Fort Bend County	Stabilization efforts for 11 identified locations along the Brazos River throughout Fort Bend County	Infrastructure projects	100,000	360,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	50	3.75	No	0		4	4.75	694

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
022000010	2	City of Tom Bean NFIP Involvement	City of Tom Bean	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	1	0.69	3	1.30	0	0	0	0	0	0	0	0	3.89	0.67	0	0	0	0	0	0	0	0	No	0	8	4.66	695
042000049	4	City of Como Flood Awareness Program	Como	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads and to "Turn Around; Don't Drown."	Education and Outreach	10,000	10,000	3	1.42	1	0.63	0	0	0	0	0	0	0	0	10.66	0.99	0	0	0	0	0	0	0	0	No	0	6	4.55	696
052000100	5	City of Alto Culvert Improvements	Alto	Develop plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	5,000	1,000,000	11	2.42	2	1.03	0	0	0	0	0	0	0	0	0.07	0.02	0	0	0	0	0	0	0	0	No	0	4	4.48	697
052000107	5	City of Kountze Culverts and Ditches	Kountze	Develop plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	80,000	3,000,000	3	1.42	2	1.03	0	0	0	0	0	0	1	0.94	0.04	0.01	0	0	0	0	0	0	0	0	No	0	4	4.41	698
052000108	5	City of Kountze Elevate Roads and Bridges	Kountze	Develop a program to elevate roads and bridges including installing, upsizing culverts and headwalls, and bridge upgrades.	Infrastructure projects	100,000	2,000,000	3	1.42	2	1.03	0	0	0	0	0	0	1	0.94	0.04	0.01	0	0	0	0	0	0	0	0	No	0	4	4.41	698
052000109	5	City of Kountze General Drainage Improvements	Kountze	Increase drainage capacity; add stormwater detention basins and stormwater pumping stations where gravity flow is not feasible.	Infrastructure projects	100,000	1,500,000	3	1.42	2	1.03	0	0	0	0	0	0	1	0.94	0.04	0.01	0	0	0	0	0	0	0	0	No	0	4	4.41	698
072000013	7	City of Goree NFIP Participation	Goree	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	1	0.94	20.34	1.20	0	0	0	0	0	0	0	0	No	0	8	4.14	701
072000059	7	McMillan Dam High Risk Repairs	Lubbock County	Make repairs to McMillan Dam as identified as high risk by TCEQ to prevent failure.	Infrastructure projects	58,000	58,000	3	1.42	5	1.65	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	4.08	702
072000009	7	City of Bovina NFIP Participation	Bovina	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	3	1.42	1	0.63	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	4.05	703
132000052	13	Shell Point Ranch Wetlands Protection	Texas Parks and Wildlife Department	Texas Coastal Resiliency Master Plan - R3-5: Acquisition of approx 400 acres of coastal habitats and the southernmost extents of mima mounds at Shell Point Ranch. The acquisition also would mitigate flooding and storm surge damage to the area.	Property acquisition and structural elevation	100,000	5,100,000	1	0.69	1	0.63	0	0	0	0	0	0	1	0.94	4.55	0.72	0	0	0	0	0	0	0	0	No	0	4	3.98	704
072000050	7	John T. Montford Dam Rehab	Garza County, Lubbock County	Enhance lake capacity and harden dam structure. Placeholder for anticipated construction cost. Detailed costs following FME.	Infrastructure projects	4,500,000	4,950,000	2	1.13	0	0	0	0	0	0	0	0	0	0	140.47	1.83	0	0	0	0	0	0	0	0	No	0	4	3.96	705
012000002	1	Quitaque NFIP Involvement	Quitaque	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	2	1.13	1	0.63	0	0	0	0	0	0	0	0	0.29	0.09	0	0	0	0	0	0	0	0	No	0	8	3.85	706
032000128	3	City of Penelope NFIP Floodplain Ordinance	Penelope	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	105.47	1.73	0	0	0	0	0	0	0	0	No	0	8	3.73	707
032000105	3	City of Alvord NFIP Floodplain Ordinance	Alvord	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	2	1.54	0.00	0	0	0	0	0	0	0	0	No	0	8	3.54	708
052000142	5	City of Groveton Flood Infrastructure Upgrades	Groveton	Within the city, develop a plan to install/improve culverts and headwalls in addition to expanding stormwater ditches and canals	Infrastructure projects	100,000	750,000	3	1.42	2	1.03	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	3.46	709
072000040	7	Town of Aspermont NFIP Participation	Aspermont	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	1	0.94	2.00	0.47	0	0	0	0	0	0	0	0	No	0	8	3.41	710
152000057	15	Willacy County Drainage District - Re-negotiate El Sauz contractual agreement	Willacy County Drainage District 1	Re-negotiate agreement with El Sauz Ranch to facilitate more outfall volume	Other	25,000	500,000	5	1.81	0	0	0	0	0	0	0	0	0	0	12.72	1.05	0	0	0	0	0	0	0	0	No	0	2	3.36	711
032000112	3	City of Dorchester NFIP Floodplain Ordinance	Dorchester	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	31.52	1.34	0	0	0	0	0	0	0	0	No	0	8	3.34	712
072000015	7	City of Jayton NFIP Participation	Jayton	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	1	0.69	1	0.63	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	3.32	713
012000005	1	Mobeetie NFIP Involvement	Mobeetie	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	1	0.69	0	0	0	0	0	0	0	0	0	0	1.91	0.45	0	0	0	0	0	0	0	0	No	0	8	3.14	714
022000004	2	City of Domino NFIP Involvement	City of Domino	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	1	0.94	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.94	715
072000014	7	City of Hale Center NFIP Participation	Hale Center	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	8.04	0.90	0	0	0	0	0	0	0	0	No	0	8	2.90	716
012000015	1	Cashion NFIP Involvement	Cashion Community	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	5.85	0.80	0	0	0	0	0	0	0	0	No	0	8	2.80	717
022000008	2	City of Marietta NFIP Involvement	City of Marietta	Application to join NFIP or adoption of equivalent standards	Regulatory and guidance	100,000	100,000	1	0.69	0	0	0	0	0	0	0	0	0	0	0.30	0.10	0	0	0	0	0	0	0	0	No	0	8	2.79	718
032000124	3	City of Mustang NFIP Floodplain Ordinance	Mustang	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	5.52	0.78	0	0	0	0	0	0	0	0	No	0	8	2.78	719
012000013	1	Bellevue NFIP Involvement	Bellevue	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	2.79	0.57	0	0	0	0	0	0	0	0	No	0	8	2.57	720
012000023	1	Sanford NFIP Involvement	Sanford	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	2.71	0.56	0	0	0	0	0	0	0	0	No	0	8	2.56	721
152000052	15	Starr County Hazard Mitigation Plan Action #2	Starr County	Develop needs assessment to identify and fund improvements to flood proof critical facilities such as lift stations and treatment plants.	Infrastructure projects	500,000	20,000,000	1	0.69	1	0.63	0	0	0	0	0	0	0	0	0.63	0.19	0	0	0	0	0	0	0	0	No	0	4	2.51	722
072000056	7	McMillan Dam Warning System	Buffalo Springs, Ransom Canyon	Enhance and expand existing limited alert system equipment currently in place at McMillan Dam	Flood measurement and warning	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	10	2.50	723
082000071	8	Sugar Land MDP - Early Flood Warning System	Sugar Land	Engage regional partners in developing a flood warning system.	Flood measurement and warning	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	10	2.50	723
082001113	8	City of College Station Early Flood Warning System	College Station	Implement system to monitor flood waters, notify public officials of flooded roadways, and trigger automatic warnings for road users.	Flood measurement and warning	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	10	2.50	723
012000008	1	Texhoma NFIP Involvement	Texhoma	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	1.78	0.43	0	0	0	0	0	0	0	0	No	0	8	2.43	726
062000030	6	Natural Infrastructure Project Mound Creek Conservation	Coastal Prairie Conservancy	Purhase conservation easement from landowner to permanently conserve as agricultural/natural areas. KPC to ensure land remains undeveloped agriculutural land and maintain conservation. Would provide multiple benefits such as flood mitigation, and more.	Property acquisition and structural elevation	1,600,000	32,000,000	0	0	0	0	0	0	0	0	0	0	0	0	41.39	1.43	0	0	0	0	0	0	0	0	No	0	4	2.43	727
012000014	1	Adrian NFIP Involvement	Adrian	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.89	0.26	0	0	0	0	0	0	0	0	No	0	8	2.26	728
032000120	3	City of Kirvin NFIP Floodplain Ordinance	Kirvin	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.84	0.25	0	0	0	0	0	0	0	0	No	0	8	2.25	729
042000051	4	City of Cumby Flood Awareness Program	Cumby	Disseminate PSA's, Newspaper Articles through local media about dangers of flooded county roads	Education and Outreach	11,500	11,500	0	0	0	0	0	0	0	0	0	0	0	0	4.27	0.70	0	0	0	0	0	0	0	0	No	0	6	2.20	730
012000012	1	Windthorst NFIP Involvement	Windthorst	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.59	0.18	0	0	0	0	0	0	0	0	No	0	8	2.18	731
032000108	3	City of Bynum NFIP Floodplain Ordinance	Bynum	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.56	0.17	0	0	0	0	0	0	0	0	No	0	8	2.17	732
042000016	4	City of Van "StormReady" Program	Van	Obtain certification in the National Weather Service StormReady Program.	Regulatory and guidance	10,000	10,000	0	0	0	0	0	0	0	0	0	0	0	0	0.39	0.12	0	0	0	0	0	0	0	0	No	0	8	2.12	733
012000020	1	Vega NFIP Involvement	Vega	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.28	0.09	0	0	0	0	0	0	0	0	No	0	8	2.09	734
012000019	1	Chillicothe NFIP Involvement	Chillicothe	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.23	0.07	0	0	0	0	0	0	0	0	No	0	8	2.07	735
152000063	15	Cameron County Drainage District No.1 - Ditch 1 outfall dredging	Cameron County Drainage District 1	Develop plan to fund and dredge sediment from outfall in Bahia Grande (in Navigation dist/port of Brownsville)	Infrastructure projects	120,000	1,200,000	0	0	0	0	0	0	0	0	0	0	0	0	13.69	1.07	0	0	0	0	0	0	0	0	No	0	4	2.07	736
032000118	3	City of Hebron NFIP Floodplain Ordinance	Hebron	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.23	0.07	0	0	0	0	0	0	0	0	No	0	8	2.07	737
012000062	1	Channing NFIP Involvement	Channing	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.22	0.07	0	0	0	0	0	0	0	0	No	0	8	2.07	738
012000010	1	Estelline NFIP Involvement	Estelline	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.02	0	0	0	0	0	0	0	0	No	0	8	2.02	739
072000064	7	City of Idalou Ordinance Updates	Idalou	Updates to the City Ordinance to assist with the acquisition, use, preservation, and continuance of playas and other natural resources within or influenced by the City	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.01	0	0	0	0	0	0	0	0	No	0	8	2.01	740
012000007	1	Nazareth NFIP Involvement	Nazareth	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
012000011	1	Stratford NFIP Involvement	Stratford	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
012000017	1	Silverton NFIP Involvement	Silverton	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
012000018	1	Lockney NFIP Involvement	Lockney	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
012000027	1	Skellytown NFIP Involvement	Skellytown	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
012000028	1	Claude NFIP Involvement	Claude	Application to join NFIP or adopt equivalent standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
032000113	3	Draper NFIP Floodplain Ordinance	Draper	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
032000121	3	City of Latexo NFIP Floodplain Ordinance	Latexo	Develop a floodplain ordinance that meets or exceeds FEMA's minimum standards	Regulatory and guidance	100,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
072000012	7	City of Edmonson NFIP Participation	Edmonson	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
072000018	7	City of Lueders NFIP Participation	Lueders	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
072000021	7	City of Petersburg NFIP Participation	Petersburg	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
072000025	7	City of Roby NFIP Participation	Roby	Application to join NFIP or adoption of equivalent standards.	Regulatory and guidance	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
082000074	8	Sugar Land MDP - Regional Drainage & Drainage Entities☐	Sugar Land	Consider establishing a single regional drainage entity to manage all aspects of drainage.	Regulatory and guidance	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	8	2.00	741
152000062	15	Cameron County Drainage District No.1 - San Martin Lake dredging	Cameron County Drainage District 1	Develop plan to fund and dredge lake to increase storage capacity	Other	50,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	50.21	1.49	0	0	0	0	0	0	0	0	No	0	2	1.99	754
052000101	5	City of Reklaw Drainage System Upgrades	Reklaw	Establish plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	100,000	1,000,000	1	0.69	0	0	0	0	0	0	0	0	0	0	1.06	0.30	0	0	0	0	0	0	0	0	No	0	4	1.99	755
052000097	5	City of Burke Drainage Ditch Capacity Upgrades	Burke	Establish a plan and necessary standards to increase the capacity of drainage ditches along all city streets and roads	Infrastructure projects	100,000	500,000	1	0.69	0	0	0	0	0	0	0	0	0	0	0.45	0.14	0	0	0	0	0	0	0	0	No	0	4	1.83	756

ID	Region	Name	Sponsor	Description	Type	Non-recurring, non-capital cost ($)	Estimated total cost of implementation ($)	Structure at risk raw	ArcSinh (Weighted) structure at risk	Pop at risk raw	ArcSinh (Weighted) pop at risk	Critical facilities raw	ArcSinh (Weighted) critical facilities	LWC raw	ArcSinh (Weighted) LWC	Road closures raw	ArcSinh (Weighted) road closures	Road miles raw	Length of roads at risk, ArcSinh (0-10)	Ag land raw	ArcSinh (Weighted) Ag land	Structures removed raw	ArcSinh (Weighted) structures removed	Residential structures removed raw	ArcSinh (Weighted) residential structures removed	Removed pop raw	ArcSinh (Weighted) removed pop	% NBS raw	% NBS score (Normalized)	Water supply raw	Water supply score (Normalized)	FMS type score	Total score (with ArcSinh normalization of select criteria)	Rank (with ArcSinh normalization of select criteria)
052000103	5	City of Wells Culvert Improvements	Wells	Establish plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	5,000	1,000,000	1	0.69	0	0	0	0	0	0	0	0	0	0	0.22	0.07	0	0	0	0	0	0	0	0	No	0	4	1.76	757
062000006	6	City of Bunker Hill Community Outreach	Bunker Hill Village	Community Outreach (flooded street identification, marking and signage)	Education and Outreach	5,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	6	1.50	758
052000124	5	City of Daisetta Culvert Maintenance and Upgrades	Daisetta	Removal of debris, silt and vegetation obstacles in drainage ways. Project will clear obstacles, mow and reshape ditches, and upgrade culverts to restore adequate drainage to mitigate flooding.	Infrastructure projects	100,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0.43	0.13	0	0	0	0	0	0	0	0	No	0	4	1.13	759
052000094	5	City of Frankston Culvert Improvements	Frankston	Develop plan to increase drainage capacity in sites that are prone to flooding.	Infrastructure projects	100,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0.17	0.06	0	0	0	0	0	0	0	0	No	0	4	1.06	760
062000029	6	Natural Infrastructure Project Barker Reservoir Headwater Acquisition and Restoration	Coastal Prairie Conservancy	Purchase and restore agricultutal & natural lands at the headwater of Barker Reservoir. Manage land for agricultual use, restore native landscape like grasslands and wetlands, and enhance management practices. Provides natural flood mitigation benefits.	Property acquisition and structural elevation	1,650,000	33,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	1.00	761
072000010	7	City of Clyde Stream Restoration Program	Clyde	Implement stream restoration / channelization program to ensure adequate drainage / diversion of stormwater.	Infrastructure projects	250,000	250,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	1.00	761
072000053	7	South Lake Improvements Water Diversion	Jones County	Water diversion	Infrastructure projects	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	1.00	761
082000928	8	City of Georgetown Lft Station Floodproofing	Georgetown	Flood proof city lift stations and manholes located in the SFHA.	Infrastructure projects	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	1.00	761
082001140	8	City of College Station Property Acquisition	College Station	Buyout program for structures located in flood hazard areas.	Property acquisition and structural elevation	1,000,000	1,000,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	1.00	761
082001143	8	City of Waco Property Acquisition	Waco	Buyout program for structures located in flood hazard areas.	Property acquisition and structural elevation	1,400,000	1,400,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	4	1.00	761
042000017	4	City of Van Flood Infrastructure Maintenance	Van	Adopt and implement a program for clearing debris from bridges, drains and culverts.	Other	50,000	50,000	0	0	0	0	0	0	0	0	0	0	0	0	0.39	0.12	0	0	0	0	0	0	0	0	No	0	2	0.62	767
062000058	6	City of Bunker Hill Village Non-Structural Mitigation Projects	Bunker Hill Village	Non-structural mitigation measure - buried powerlines, tree management and generators	Other	5,000	100,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	2	0.50	768
082000059	8	Evaluation of Flood Control Projects Phase 2	Sugar Land	Implement design, construction, and maintenance criteria for new City-owned flood control projects; Document retrofitting/non-structural control activities on existing City-owned flood control structures	Other	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	2	0.50	768
082000938	8	City of Leander Automated Barriers	Leander	Install low water crossing automated barriers and warning signs.	Other	500,000	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	2	0.50	768
062000007	6	City of Bunker Hill Dam/Levee Maintenance and Monitoring Plan	Bunker Hill Village	Minimize the risk of dam/levee failure and related damage to existing and proposed structures by monitoring the maintenance and inspection schedules.	Other	25,000	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	0	0	0	0	0	0	0	No	0	0	0.00	771