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Note: Data utilized for generating this draft ranking for the state flood plan is from the revised (oost-8Fi) amended resional flood plans submitted by the BFPGs in response to TWDB review. The original amended plans were submitted in July 2023. The revised versions were approved by the TWDB in March 2024.

Note: Data utilized for eneratine this draft rankine for the state food plan is from the revised (cost-8FB amended resional flood plans submitted by the MFPGs in reaconse to TWDB review. The oriental amended FMP Ranking Tool	d plans were submitted in July 2023 Data Source Reported Date	 The revised versions were an ata Reported Data 	Reported Data (Calculated by TWDB)	by Reported Data	Reported Data	Reported Data	Reported Data	Reported Data	Reported Data	Reported Data	Reported Data	Reported Data	Reported Data	Project Details	Project Details	Project Details	Project Details	Project Details	Project Details	Project Details	7			
	Ranking Factor? No Max Raw Score Values for Score N/A	Yes 76,000	Yes 100	Yes 62,000	Yes 350,000	Yes 2,100	Yes 25	Yes 1,100	Yes 6,500	Yes 100	Yes 10	Yes Yes = 1	Yes Yes = 1 See	Yes ProjectDetails_Scorin	Yes g See ProjectDetails_Scoring	Yes See ProjectDetails_Scoring	Yes See ProjectDetails_Scorii		Yes See ProjectDetails_Scoring	Yes See ProjectDetails_Scoring				
	Weight Value N/A Number of structures at		10.0% Percent of structures	2.5% Residential structures	10.0% Estimated Population	10.0% Critical facilities removed	7.5% Number of low water crossings removed from	5.0% Estimated length of ro	5.0% ids Estimated farm & ranch la	5.0% ad Percent Nature-Based	2.5%	5.0%	0.0% Si	5.0% core 1: Severity - Pre-	5.0% Score 2: Severity -	5.0%	5.0%	2.5%	2.5% Score 13: Environmental	5.0%				
	Ranking Criteria 100- year flood risk	removed from 100yr (1% annual chance) Floodplain	removed from 100yr (1% annual chance) Floodplain	removed from 100yr (1% n annual chance) Floodplain	removed from 100yr (1% n annual chance) Floodplain	from 100yr (1% annual chance) Floodplain	100yr (1% annual chance) Floodplain	removed from 100y floodplain (Miles)	removed from 100yr floodplain (acres)	Solution (by cost)	Benefit Cost Analysis (B	CA) Water Supply	FMP Type Pro	oject Average Depth of Flooding (100-year)	Community Need (% Population)	Score 6: Life and Safety	Score 8: Social Vulnerabil	ity Score 10: Multiple Benefite	Benefit Benefit	Score 15: Mobility	B (30%)			
FMP ID Region FMP Name Sponsor FMP Description FMP Type	Estimated Project Structures a Risk Raw	at Structures Raw Structures Structures Raw Structures	Percent of structures removed (Calculated)	Removed Res Structures Removed Raw Removed Raw Removed	Removed Pop (Weighted) Raw Removed Population	Removed Crit (Weighted) Fac Raw Removed Crit facilities	Removed (Weighted) LWC Raw Removed LWC	Removed Road Miles Raw Road M	h Ag Removed (Weighter Ag Remov	% Nature- Based Raw (0-10)	I BCA Raw BCA Sco	re Water Supply Water Supply Raw Score	ply FMP Type Pre- Score Ave	-Project e Depth Score 1	Community Need Score 2	Life and Safety Score 6	Social Vulnerability Score 8	Multiple Benefit Score 10	Environment al Benefit Score 13	Mobility Score 15	Project Score Bas Details ArcSir Weighted Normali	nd on Total Score (with ArcSinh normalization of actors select criteria)	Rank (with ArcSinh Pre RF normalization of select criteria)	RFI (OLD) Pre RFI (OLD) tal Score Rank
		Structures	(Calculated) 10)	Raw Removed	Population	facilities	EWC	Road M	ies										Project will	Project will protect some major access routes	Score Reported F	actors select criteria)	select criteria)	
Four phase plays excavation project, pump dation relocation and construction of a orm seem improvements along Roso Chage Street and Solution 2005. Street provided Under 100 Section 100 year flood Street and Solution 2005. Street provided to 100 Section 2006.															<25% of project community	Life/injury risk percentage	SVI between 0.75-1.00 (high	delivers benefits in 2 wider benefit	deliver a low level of environmenta I benefits (1	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may				
033000001 1 T.Anchor Lake Watershed Drainage Improvements Amarillo protection Infrastructure	\$31,300,000 40	107 397 2.8	97.5 9.1	9.8 397 1	42 1191 5.78	0 0.00	0 0.0	0	0.00 0 0	0.0 0.0	1.7000000	1.70 No	0 0 10% :	annual	4 affected	1 <20%	2 vulnerability)	10 categories	4 category)	3 be restricted in some areas Project will protect some major access routes	4 12.25	24.00 36.25	50	36.25 49
The proposed improvements include the installation of a storm drain system along north on Rhae Road that would eliminate															<25% of project community	Life/injury risk	SVI between 0.5-0.75 (moderate to	Project does not deliver	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
013000002 1 Rhea Road Drainaee Protect Wichita Falis dructure flooding in the 100-wear storm event. Storm Drain	\$2.995.000 2	27 27 1.6	57 100.0 10	0.0 26 0	84 81 3.78	1 1.06	0 0.0	0	0.00 0 0	0 0.	1.1000000	1.10 No	0 0 <50%	annual	2 affected	percentage 1 <20%	nign 2 vulnerability)	any wider 7 benefits Project	0 I benefits	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 8	20.10 28.10	177	28.10 169
Install a bypass system that will intercept flow from Brenda Hursh Creek and Srenda Hursh Channel at their respective Weeks															<25% of project	Life/injury risk	SVI between	delivers benefits in only 1 wider	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
Street Road crossings and convey the runoff to the west through a progosed pipe system. Street Road crossings and convey the runoff to the west through a proposed pipe system.	\$4,151,000 11	14 64 2.0	3 56.1 5.0	5.6 64 1.	03 192 4.42	0 0.00	0 0.0	0 1	0.57 0 0	0. 8.5 0.	1.1000000	1.10 No	0 0 50% :	annual	community 4 affected	percentage 1 >30%	0.01-0.25 (low 6 yulnerability)	benefit 1 category	environmenta 1 i benefits	flooded, and emergency services access may 0 be restricted in some areas	4 8.25	16.85 25.10	236	25.10 232
The proposed improvements include upstream and midstream detection ponds, channel enlargements and low water crossings improvements to discrete foliaging the recipional para area are label improvements to discrete foliaging the recipional parea area are label.															<25% of project	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project does not deliver any wider	Project does not provide any	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have				
033000012 1 City of Carmon Flood Mititation Prolect Carmon Duro Creek Golf Course. Other	\$37.238.000 10	106 27 1.6	57 25.5 2.5	2.5 27 0.	85 81 3.78	0 0.00	3 3.4	9 0	0.00 0 0	0 0.	0.5100000	0.51 No	0 0 <50%	annual	6 affected	1 >50%	0 yulnerability)	7 benefits	0 benefits	0 restricted access in local areas. Project will protect some major access routes	7 15.5	13.61 29.11	154	29.11 143
The proposed improvements include for the installation of concrete outs and gutter throughout antic development in order to install a storm exist pather with curry lamps kin let to install a storm exist pather with curry lamps kin let.															<25% of project	Life/injury risk	SVI between 0.5-0.75 (moderate to	Project does not deliver any wider	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
033000013 1 Wichita Gardens Drainage Improvements Wichita Falls that runs to an outsill at the Wichita River. Storm Drain	\$10,008,000 10	100 2.2	2 100.0 10	0.0 100 1.	13 252 4.62	0 0.00	0 0.0	0 2	0.94 0 0	0 0	3.099999	3.10 No	0 0 <50%	annual	4 affected	percentage 1 >30%	6 yulnerability)	7 benefits	0 I benefits	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 11	26.66 37.66	39	37.66 39
Install a storm drain system with ourb and gutter along tacksboro															<25% of project	Life/injury risk	SVI between	Project does not deliver	Project does not provide any	In floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
013000015 1 Echo/Neta Lane Drainage Project Wichita Falls Norman Street. Storm Drain	\$2,853,000 1	18 14 1.4	77.8 7.3	7.8 14 0.	71 42 3.29	0 0.00	0 0.0	0	0.00 0 0	0 0.	3.7000000	3.70 No	0 0 <50%	annual	6 affected	percentage 1 >30%	0.01-0.25 (low 6 vulnerability)	any wider 1 benefits	environmenta 0 I benefits	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 9	22.43 31.43	110	31.43 105
Extend the existing storm drain system on Hussile Drive to reach to the north and south on Hischi Lane. Additionally, acquire															<25% of project	Life/injury risk	SVI between 0.75-1.00	Project does not deliver	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
properties along the north side of lowa Park Road between 013000016 1 Hinchi - Huskie Drainage Project (City of Wichita Falls) Wichita Falls Hinchi Lane and Ridgeway Drive. Storm Drain	\$632,000 3	35 35 1.7	8 100.0 10.0	0.0 35 0.	91 105 3.97	0 0.00	0 0.0	0	0.00 0 0	0 0.	0.8000000	0.80 No	0 0 <50%	annual	community 2 affected	percentage 1 <20%	(high 2 yulnerability)	any wider 10 benefits	environmenta 0 I benefits	flooded, and emergency services access may 0 be restricted in some areas	4 9.5	18.66 28.16	174	28.16 167
The proposed solution is be a combination of curb and gutter															<25% of	Life finium rick	SVI between 0.75-1.00	Project does not deliver	Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access, Some major and many minor access routes will remain				
038000017 1 Landon, Duty and Sunset St Dirainage Project Wichita Falls Lane outs of 0 Duty Lane, Landon Road, and Sunset Storm Dirain	\$2,120,000 4	43 41 1.8	IS 95.3 9.1	9.5 41 0.	94 123 4.09	0 0.00	0 0.0	0	0.00 0 0	0 0 0.	10 10.6000004 1	0.00 No	0 0 <50%	annual	community 6 affected	percentage 1 >50%	(high 0 vulnerability)	any wider 10 benefits	environmenta 0 I benefits	flooded, and emergency services access may 0 be restricted in some areas	4 15.5	41.41 56.91	2	56.91 2
															<25% of		SVI between 0.5-0.75	Project does	Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and				
The proposed improvements inche regarding of an abandoned imrigation can also convey from north cowards chines Road, 013000018 1 Seanish Trace Drainase Proiect Wichita Falls connecting to the existing torm sower system. Storm Drain	\$1.043.000	8 8 1.1	16 100.0 10.0	0.0 8 0.	59 24 2.88	0 0.00	0 0.0	0 0	0.00 0 0	0 0 0	00 1.2000000	1.20 No	0 0 <50%	annual	project community 4 affected	Life/injury risk percentage 1 >20%	(moderate to high 4 yulnerability)	not deliver any wider 7 benefits	environmenta 0 I benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 10	17.63 27.63	187	27.63 182
Installing staff gauges, flashers, and flood hazard signs to warn															<25% of project	Life/injury risk	SVI between	Project does not deliver	Project does not provide any	Project provides no change to major, minor,				
013000019 1 China Creek Wichita County drivers of flooding, as well as guardrals and roadway lighting for drivers to be able to see better. Preparedness	\$455,000 1	18 0 0.0	0.0 0.1	0.00	0 0.00	0 0.00	0 0.0	0	0.00 0 0	0 0.	0.000000	0.00 No	0 4 <50%	annual	community 8 affected	percentage 1 >50%	0.01-0.25 (low 0 vulnerability)	any wider 1 benefits	environmenta 0 I benefits	or emergency access routes in the project 0 area.	0 10	0.00 10.00	545	10.00 530
Replaces existing culvert with a bridge and grading to increase															<25% of project community	Life/injury risk percentage	SVI between 0.25-0.5 (low	Project does not deliver any wider	Project does not provide any	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have				
033000000 1 Wild Horse Creek Burkburnett oxad level of dervice. Indicastructure	\$3,411,000	4 2 0.6	50 50.0 5.0	5.0 1 0.	19 1 0.65	0 0.00	1 1.6	9 0	0.00 0 0	0 0.	2.900001	2.90 No	0 0 <50%	annual	8 affected	1 >50%	0 yulnerability)	4 benefits	0 benefits	0 restricted access in local areas. Project will protect some major access routes	7 15	15.39 30.39	130	30.39 120
Minor channel grading to reduce structure flooding in															<25% of project	Life/injury risk percentage	SVI between 0.25-0.5 (low	Project does not deliver any wider	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may				
038000021 1 Buffalo Creek Iowa Park religibolmood. Infrastructure	\$686,000 3	39 3 0.7	7.7 0.1	0.8 3 0.	39 36 3.18	0 0.00	0 0.0	0	0.00 0 0	0 0.	0.3000000	0.30 No	0 0 50% :	annual	4 affected	1 >50%	0 vulnerability)	4 benefits	0 I benefits	O be restricted in some areas Project will protect some major access routes	4 11.5	5.85 17.35	419	17.35 409
															<25% of project	Life/injury risk	SVI between 0.25-0.5 (low	Project does not deliver	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
Buildburnertt, Wichita Baises road and replaces existing culverts with larger culverts and a bridge with grading to increase road level of service. Infrastructure	\$11,783,000	2 0 0.0	0.0 0.1	0.0	0 0.00	0 0.00	0.0	0	0.00 0 0	0 0.	2.3000000	2.30 No	0 0 <10%	annual	community 8 affected	percentage 1 >50%	to moderate 0 yulnerability)	any wider 4 benefits Project	0 I benefits	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 13.5	5.75 19.25	373	20.75 330
															<25% of project	Life/injury risk	SVI between	delivers benefits in only 1 wider benefit	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
013000023 1 Ste 01 Rockwell & Sonov Randall County Ussize the culvert crossine, raise the road, modify channel LWC userade	\$713,000	0 0 0.0	0.0 0.0	0 0	0 0.00	0 0.00	0 0.0	0	0.00 0 0	0 0	0.1000000	0.10 No	0 10 <50%	annual	community 10 affected	percentage 1 >50%	0.01-0.25 (low 0 vulnerability)	1 category	environmenta 1 I benefits	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 13.25	0.25 13.50	488	13.50 474
															<25% of project	Life/injury risk	SVI between	Project delivers benefits in only 1 wider benefit	Project does not provide any	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
0330000024 1 Ste 02-Happy Word & Bell Randall County Upsize the culvert crossing, raise the road, modify channel LWC upgrade	\$1,225,000	0 0 0.0	0.0 0.1	0.0 0	0 0.00	0 0.00	0 0.0	0	0.00 0 0	0 0.	0.0000000	0.00 No	0 10 <50%	annual	community 8 affected	percentage 1 >50%	0.01-0.25 (low 0 vulnerability)	benefit 1 category	environmenta 1 I benefits		4 12.25	0.00 12.25	507	12.25 489
															<25% of	Life finium rick	SM hetunen	Project delivers benefits in only 1 wider	Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
013000025 1 Ste 03-His & FM 217 Randall County Update the culvent crossing, raise the road, modify channel LWC upgrade	\$1,216,000	0 0 0.0	0.0 0.1	0.0 0 0.	0 0.00	0 0.00	0 0.0	0	0.00 0 0	0 0.	0.0000000	0.00 No	0 10 <50%	i annual	community 8 affected	percentage 1 >50%	0.01-0.25 (low 0 vulnerability)	benefit 1 category	environmenta 1 I benefits	flooded, and emergency services access may 0 be restricted in some areas	4 12.25	0.00 12.25	507	12.25 489
															<25% of	Life finium rick	SVI between 0.75-1.00	Project delivers benefits in 2	Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
03000005 1 Site 04-Country Club Randall Country Upsize the culvert crossing, raise the road, modify channel LWC upgrade	\$1,243,000	0 0 0.0	0.0 0.1	0.0 0 0.	0 0.00	0 0.00	0 0.0	0	0.00 0 0	0 0 0.	0.0000000	0.00 No	0 10 <50%	Sannual	community 8 affected	percentage 1 >50%	(high 0 yulnerability)	wider benefit 7 categories	environmenta 4 I benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 16	0.00 16.00	443	16.00 433
															<25% of			Project delivers benefits in	Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and				
03800027 1 Ste 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 0.00	0 0.00	0.0	0 0	0.00 0 0	0 0	0.5000000	0.50 No	0 10 <50%	annual	project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 0 vulnerability)	only 1 wider benefit 1 category	any environmenta 1 I benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 12.25	1.25 13.50	489	13.50 475
															<25% of			Project delivers benefits in	Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and				
013000008 1 See 09-HII & 46th Randall County Raise the road UWC userside	\$2.373.000	0 0 0.0	0.0	0.0 0 0.	0 0.00	0 0.00	0 0.0	0 0	0.00 0 0	0 0	0.0000000	0.00 No	0 10 50%	annual	project community 10 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 yulnerability)	only 1 wider benefit 1 category	any environmenta 1 I benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 9.25	0.00 9.25	556	9.25 547
															<25% of			Project delivers	Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and				
U33000009 1 Site 11-Gordon Cummings Randall County road road LWC upgrade	\$1,181,000	0 0 0.	0.0 0.0	0.0 0 0.	00 0 0.00	0 0.00	0 0.0	0 0	0.00 0 0	0 0	00 1.3000000	1.30 No	0 10 <50%	annual	project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 0 vulnerability)	benefits in 2 wider benefit 1 categories	any environmenta 4 I benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 14	3.25 17.25	422	17.25 412
															<25% of		SVI hetwass	Project delivers benefits in	Project does	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and				
013000000 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.	00 0 0.00	0 0.00	0 0.0	10 1	0.57 0 0	10 O O.	00 1.3000000	1.30 No	0 10 <50%	annual	<25% of project community 10 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	only 1 wider benefit 4 category	not provide any environmenta 1 l benefits	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 10.75	3.82 14.57	469	14.57 462
															<25% of		SVI between 0.5-0.75	Project delivers benefits in	Project does not provide	Project will protect all major access routes in				
028000001 2 Ferguson Park Improvements City of Texariana Improvements to existing culverts and channelization Channel	\$11,983,000 38	187 57 1.5	8 14.7 1	1.5 35 0:	91 330 4.82	0 0.00	0.0	0 2	0.94 0 0	0 0	0 0.1000000	0.10 No	0 0 2-yr		project community 6 affected	Life/injury risk percentage 1 >50%	(moderate to high 0 vulnerability)	only 1 wider benefit 7 category Project delivers	any environmenta 1 I benefits Project will	floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 15.75	10.37 26.12	215	26.12 214
															<25% of project	Life/injury risk	(moderate to	only 1 wider	deliver a low level of environmenta	Project provides no change to major, minor,				
023000002 2 Wagner Channel/Derhank Clearing Clay of Texarkana Channel/Overbank Clearing Channel	\$978,000 30	105 44 1.8	18 14.4 1.0	1.4 26 0.	84 305 4.77	0 0.00	0.0	0 2	0.94 0 0	0 0.	0.5800000	0.58 No	0 0 10-yr		community 10 affected	percentage 1 >50%	high 0 vulnerability)	benefit 7 category	I benefits (1 1 category)	or emergency access routes in the project 3 area.	0 15	11.31 26.31	211	11.31 513
															<25% of project	Life/injury risk	SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	Project does not provide any	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
Stream W.C.2 Independence Circle & Lesington Place Bridge City of Texanhana Replace culverts at Independence Circle and Lesington Place Infrastructure	\$540,000 2	23 6 1.0	26.1 2	2.6 6 0:	53 19 2.70	0 0.00	0 0.0	0 0	0.00 0 0	0 0	1.1500000	1.15 No	0 0 5-yr		community 10 affected	percentage 1 >50%	to moderate 0 vulnerability)	only 1 wider benefit 4 category	environmenta 1 I benefits	flooded, and emergency services access may be restricted in some areas	4 14.75	9.76 24.51	253	9.76 532

Draft Ranked List of Flood Mitigation Projects

Striker & Removed Raw Striker Striker & Strike e 15 Project Score Based on Total Score (with Rank (with ArcSinh Weighted Normalized on of normalization of Reported Factors select criteria) select criteria) select criteria) ore 2 Life and Score 6 Social Score 8 Multiple Benefit Score 10 Environment al Benefit Sponsor Project will
deliver a low
level of
environmenta
I benefits (1
category)
Project will
deliver a low
level of
environmenta
I benefits (1
category)
Project does
not provide
any
environmenta
I benefits
to benefits
to benefits
to benefits
to benefits Project delivers benefits in 2 some fits in any 1 sider benefit in any 1 sider benefit in a category project delivers benefits in any 1 sider benefit in a category <25% of project community 10 affected Life/injury risk percentage 1 >50% Two bridge installations over creek crossing on CR-1051 to r roadway overtopping, Includes raising portions of the road minor creek channel grading improvements directly under t proposed bridges and side ditch channel grading improvem environmenta

1 | benefits

Project will
deliver a low
level of
environmenta
| benefits (1
1 category) Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 3 restricted access in local areas. Life/injury risk percentage 1 <20% 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 6 the entire administrative area. RIF - 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 Life/injury risk percentage 1 >30% Project will protect major and minor acces routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access 0 the entire administrative area. o decrease the flooding depths near the orwood/Bledsoe/Crockett intersections, a storm drain iternative was developed. The storm drain system would run long Foch Street and then through Trinity Park to the river. environmenta

1 I benefits

Project does
not provide
any
environmenta
1 I benefits Life/injury risk percentage 1 <20% Project will deliver a low level of environmenta I benefits (1 7 category)

Project will deliver a moderate level of environmenta I benefits (2.3 4 categories) 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 0 the entire administrative area. Project delivers benefits in 3 wider benefit 4 categories <25% of project community 6 affected Construction of Conveyance - Sandage Relief Line Phases 1 & 2 from the 2018 Zoo Creek Storm Drain Flood Mitigation Study Report. Project includes updating storm drain lines and installation of a riprap basin. Life/injury risk percentage 1 >30% <25% of project community 6 affected Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 6 restricted access in local areas. Life/injury risk percentage 1 <20% Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas. Life/injury risk percentage 4 <20% Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas 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 B Horn Lane, Canyon Creek Drive & Canyon Creek Country Club property Project does not provide any environmenta 10 I benefits Life/injury risk percentage 4 >50% 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; pro-Life/injury risk percentage 4 <20% Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project delivers benefits in 3 wider benefit 1 categories Project does not provide any environmenta 7 I benefits 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 RDW 25%-50% of project community 2 affected Life/injury risk percentage 4 >30% Life/injury risk percentage 7 >40% Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas. Project does not provide any environmenta 7 I benefits Life/injury risk percentage 1 <20% 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 Life/injury risk percentage 1 >20% Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project does not provide any environmenta 1 | benefits Cottonwood Creek; Replaces the existing storm sewer main with larger 30" storm sewer; includes the addition of a 36" and 42" parallel storm sewer; and additional 50 IE inlect capacity near Campbell Road to keep floodwaters within the road ROW Project will deliver a low level of environmenta I benefits (1 7 category) Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas 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 Wav: & added 120 LF inlet capacity keeps floodwaters within road Life/injury risk percentage 4 >50%

Draft Randed List of Flood Militgation Projects

FMP ID Region Numbe	FMP Name	Sponsor	FMP Description FMI	P Type Estimated Project	ect Structures at Risk Raw	Removed Structures Raw ArcSinh (Weighte Remove Structure	d) structures Per d removed rem	ghted, Removed Res Structures cures oved (0-10)	rcSinh eighted) Res Raw uctures Raw	ArcSinh Weighted) Removed Removed Fac Rav	ArcSinh (Weighted) Removed Crit facilities	ArcSin Removed (Weight LWC Raw Remove LWC	Removed Road Miles	ArcSinh (Weighted) Ag Re Removed R	moved ArcSinh (Weighted)	% Nature- % NB Normal Based Raw (0-10	i, zed BCA Raw Bi	CA Score Water Suppl	Water Supply FMF Score Sc	Type Pre-Project ore Ave Depth Score	1 Community See	ire 2 Life and Scor	e 6 Social Social Sc	ore 8 Multiple Benefit S	icore 10 Environment al Benefit Scor	e 13 Mobility	Project Details Weighted	Score Based on ArcSinh ArcSinh ArcSinh Normalized normalized select or selec	ation of normalization	Pre RFI (OLD) 1 of Total Score Rank
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 Zinovlevs channel modification on Hickory Creek detention, & the removal of 5tein Road at river station 54955 on Hickory Creek was included.	cture \$30,531,000		30	72 242	2.4 27	0.85 90	3.86	8 3.33	0	1,000		999828 141	10	1.00 0.0500000	0.05 No	0	0 <2-yr	<25% of project community 6 affected	Life/injury risk percentage 1 > 30%	SVI between 0.75-1.00 (high 6 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>590%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4 145		29.28	152 28.78 151
3	Constitution (Constitution Constitution Cons	onto springs	Hickory Creek Drainage Improvements project 2022 update based on input from the City of Balch Springs. Alternative 3 involves	333,33,00	300				2.33	3.00	u 333			0.37	131	20	3.53445	0.03 No			<25% of project	Life/injury risk	SVI between 0.75-1.00	Project delivers benefits in 3	Project will deliver a low level of environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	,	24.70		30.70
	Hickory Creek Flood Protection - Alternative 3 Town Creek [Tarrant Ave, Warren St, Johnson Ave, Newton Dr] Safety Improvement	Baich Springs	Implement safety improvements including high-water warning flashers, staff gauges, flood hazard signs, and additional light flutures at thour crossings along town Creek in Burleson: Tarrant	ture \$30,671,000		49 1	92 39.5	4.0 43	0.95 152	4.25	8 3.33	0	1.00 1	0.57 7.17	999828 1.41	52	5.20 0.0500000	0.05 No	0	0 <2·γr	community 6 affected <25% of project community 10 affected	percentage 1 >30% Life/injury risk percentage 1 >50%	(high 6 vulnerability) 5VI between 0.01-0.25 (low 10 vulnerability)	wider benefit 10 categories Project delivers benefits in only 1 wider benefit 1 category	Project does not provide any environmenta 1 benefits	flooded, and emergency services access may 6 be restricted in some areas Project provides no change to major, minor, or emergency access routes in the project	4 16.75	19.10	35.85	57 33.28 72
3	Service Control of the Control of th	oures.	Replace 3400 LF concrete drainage channel with storm sewer, 6 stom sewer inlets to replace our cuts drain into existing channel, upgrading existing junction box for storm sewer, 8 paymement above proposed storm sewer between Butron Hill	3,500,500	32				2.50		0 0.00			0.00			0.532220	0.00 110		3.57	<25% of project	Life/injury risk	SVI between 0.01-0.25 (low	Project delivers benefits in 3	Project will deliver a low level of environmenta	Project provides no change to major, minor, or emergency access routes in the project	0 1113	5.50		
033000067 3	Andey Dr. Storm Sewer System Improvement		Road & Qaks Lane Infrastruc The proposed improvements include the rehabilitation and	ture \$4,225,000	2	2 (100.0	10.0 0	0.00 589	5.25	1 1.06	0	0.00	0.00	0 0.00	0	0.00 0.1000000	0.10 No	0	0 1-yr	community 4 affected <25% of	percentage 1 >50%	0.01-0.25 (low 10 vulnerability) SVI between 0.5-0.75	wider benefit 1 categories Project delivers benefits in 2	I benefits (1 7 category) Project does not provide	O area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	0 9.75	17.17	26.92	01 26.92 197
033000068 3	Main A pump station and conveyance improvements	Control Improvement	updating of Pump Station A, updating the North Travis Street Cultiverts to 5-8% block outerst, and channel improvements along the Main A channel. Update Highland SD system from Sycamon St though W Marvin See No. 1974 SPS 8, 344 SE SES 9 1888 outers. Assists no resid	cture \$7,639,000	217	167	.44 77.0	7.7 123	1.17 1850	6.10	1 1.06	0	2.00 4	1.36 8.87	152	0	0.00 3.9500000	3.95 No	0	0 <s-yr< td=""><td>project community 6 affected</td><td>Ute/injury risk percentage 1 <20%</td><td>(moderate to high 2 vulnerability) 5VI between 0.5-0.75 (moderate to</td><td>benefits in 2 wider benefit 7 categories Project delivers benefits in 2</td><td>environmenta 4 libenefits Project does not provide</td><td>many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect major and minor access routes in floodplain and emergency service access to ERI, police stations, and fire</td><td>4 11</td><td>31.22</td><td>42.22</td><td>19 42.22 20</td></s-yr<>	project community 6 affected	Ute/injury risk percentage 1 <20%	(moderate to high 2 vulnerability) 5VI between 0.5-0.75 (moderate to	benefits in 2 wider benefit 7 categories Project delivers benefits in 2	environmenta 4 libenefits Project does not provide	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect major and minor access routes in floodplain and emergency service access to ERI, police stations, and fire	4 11	31.22	42.22	19 42.22 20
033000069 3	Highland Ave. Drainage Improvements	Waxahachie	Ave to 10% # RCB & add 36 °R CP ± UPR8 culvert. Acquire parcels along creek south of MSFR RR to detail a GOOD C* Install for long creek south of MSFR RR to detail a GOOD C* Install for infesting St. & W. Main St., & add 24" RCP along Highland infestince.	sture \$9,365,000	127	20 1	.55 15.7	1.6 20	0.79 33	3.11	0 0.00	0	0.00	0.00	0.003 0.00	0	0.00 2.1199999	2.12 No	0	0 <1-yr	community 2 affected	percentage 1 >20%	high 4 vulnerability) SVI between	wider benefit 7 categories Project	environmenta 4 l benefits Project does	stations. Allows emergency services access to 0 the entire administrative area. Project will protect major and minor access.	10 13	12.32	25.32	32 25.32 228
033000070 3	Fairgrounds Detention Option 3	Denton		n Pond \$24,234,000	000 469	114 2	28 24.3	2.4 37	0.92 1228	5.80	5 277	22	7.26 3	1.18 2.20	0000048 0.81	o	0.00 0.3000000	0.30 No	0	0 10-yr	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	0.5-0.75 (moderate to high 10 vulnerability) SVI between	delivers benefits in 3 wider benefit 7 categories Project	not provide any environmenta 7 libenefits Project does	routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to 0 the entire administrative area.	10 20.75	24.19	44.94	13 44.94 1
033000071 3	Design/Construction for Holland Lake Spillway	Weatherford	Liggrade dam to be able to past the 25% PMF and meet TEXQ dam safety requiremst. Add an energiver, spillway through the right abdiment of the dam along with raising the top of dam elevation. Dam Modify dam to pass required 75% PMF and meet TEXQ criteria.	\$3,860,000	000 1	2 (137 100.0	10.0 1	0.19 2	1.07	0 0.00	0	0.00	0.00	0 0.00	0	0.00 0.1000000	0.10 No	0	0 <100-уг	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	0.5-0.75 (moderate to high 2 vulnerability)	delivers benefits in 2 wider benefit 7 categories Project	not provide any environmenta 4 l benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area. Project will protect all major access routes in	0 7	11.88	18.88	<u>18.88</u> 36:
033000072 3	Elkins Lake Dam Rehabilitation	Dalworthington Gardens	Addition of two 60 in diameter culvers to the existing spillway and widening of vegetated approach channel. Raise the crest of the dam to 569.5 ft. Dam Proposed improvements include realignment of storm drain, upgizing of existing trunk lines, and addition of curb inlets	\$1,705,000	000 0	0 0	0.0	0.0 0	0.00	0.00	0 0.00	0	0.00	0.00	0 0.00	o o	0.00 0.1000000	0.10 No	o	0 >100-уг	project community 2 affected 25%-50% of	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	benefits in 2 wider benefit 1 categories Project delivers benefits in	any environmenta 4 libenefits Project will deliver a low level of	floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	7 7.5	0.25	7.75	jes 7.75 SS:
033000073 3	Sonneville/Greenbrook Drainage Improvement	Arlington	through Greenbrook Dr and Huntwick. Includes construction of Downstream Channel Improvement Option 1 to offset negative impacts infrastruc	S4,939,000	000 14	12 1	.33 85.7	8.6 12	0.68 37	3.20	0 0.00	0	0.00	0.00	0 0.00	0	0.00 0.1000000	0.10 No	0	0 5-yr	project community 4 affected	Life/injury risk percentage 4 >40%	SVI between 0.01-0.25 (low 8 vulnerability)	only 1 wider benefit 1 category	environmenta I benefits (1 1 category) Project will	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 10.75	14.03	24.78	145 24.78 24:
033000074 3	Lebow Flood Mitigation Project	Fort Worth	Improve storm water conveyance while minimizing impact on existing residential structures, maintain a 'no-rise' condition in the existing 100 year. Wist. The project includes Section 404 permit, phased implementation, and utility relocations. Detention Implement safety improvements including automatic closure	n Pond \$84,725,000	000 321	277 :	.65 86.3	8.6 268	1.34 1078	5.70	0.00	3	3.49 3	1.18 0.62	1000013 0.31	50	5.00 1.5000000	1.50 No	o	0 <1-yr	>75% of project community affected (by 6 population)	Life/injury risk percentage 10 >50%	SVI between 0.75-1.00 (high 10 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories Project delivers benefits in	deliver a high level of environmenta I benefits (4+ 4 categories) Project does	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access route swill remain flooded, and emergency services access may 6 be restricted in some areas	4 22.5	29.55	52.05	3 49.57
033000075 3	Village Creek (Dobson St (CR 714)) Safety Improvements	Burleson	implement salety employments including accordance counter gates with Balance on the north and south side of the floodplain, flood hazard signs and staff gauges at CR 724 along Village Creek in Burleson. Prepared:	ness \$273,000	000 8	0 (0.0	0.0 0	0.00	0.00	0 0.00	0	0.00	0.00	0 0.00	0	0.00 0.0000000	0.00 No	0	4 <2-yr	project community 2 affected	Life/Injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	only 1 wider benefit 1 category	not provide any environmenta 1 l benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 3.25	0.00	3.25	÷08 3.25 60:
033000077 3	White Settlement Rd. Storm Sewer System Improvements	Westworth Village	Upgrade of 1940 LF of existing storm sewer, 5 existing junction boxes, and 2 headwalls from east of Burton HII Road to west of Tanny Street. Construction of 5 new Inlets and 5 curb inlet extensions: Infrastruc	ture \$1,904,000	000 13	13 1	.37 100.0	10.0 11	0.66 18	2.66	2 1.73	0	0.00	0.00 0.340	000004 0.18	0	0.00 0.1000000	0.10 No	0	0 1-yr	25%-50% of project community 4 affected	Life/injury risk percentage 4 >40%	SVI between 0.01-0.25 (low 8 vulnerability)	Project delivers benefits in 3 wider benefit 1 categories	deliver a low level of environmenta I benefits (1 7 category)	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 13.75	16.84	30.59	126 30.59 11
033000078 3	Main 8 pump station, detention, and conveyance improvements	Liberty County Water Control Improvement District #5	The proposed improvements include the rehabilitation and updising of Pump Station B, update the culverts at North Travis Street, Milam Street and Woods Drive, and construction of a detention basin upstream of Main Street.	ture \$14,433,000	000 324	3 (1.76 0.9	0.1 3	0.39 12	2.36	0 0.00	0	0.00	0.00 0.14	000001 0.07	0	0.00 1.8300000	1.83 No	0	0 <2-yr	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	Project does not provide any environmenta 4 I benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 11	8.25	19.25	370 19.25 36
033000079 3	Cordell Detention Pond (Rayzor Elementary School Pond)	Denton	Detention pand located on the intersection of W Univestly Drive and Malone Street along Recan near Rayon Elementary School. Pand capacity will be approximately 90 zore-feet with a surface are of approximately 12 zores.	cture \$15,497,000	000 297	42 1	.85 14.1	14 39	0.93 373	4.91	2 1.73	0	0.00	0.00 0.11	000003 0.06	10	1.00 0.1000000	0.10 No	0	0 <10-yr	>75% of project community affected (by 6 population)	Life/injury risk percentage 10 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in 2 wider benefit 4 categories	Project will deliver a moderate level of environmenta I benefits (2-3 4 categories)	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 0 the entire administrative administrative	10 21	11.66	32.66	86 32.16 81
			This alternative proposes voluntary acquisitions of structures at risk of flooding and extending the existing Warren Park. This extension would include a park with winding paths, exercise pads,																		<25% of project	Life/injury risk	SVI between 0.01-0.25 (low	Project delivers benefits in 3	Project will deliver a low level of environmenta i benefits (1	Project provides no change to major, minor,				
033000081 3	Town Creek Warren Park Extension	Burleson		Acquisition \$10.346,000	000 75	28 1	.69 37.3	3.7 27	0.85 65	3.62	0 0.00	0	0.00	0.00	0 0.00	0	0.00 0.3000000	0.30 No	0	0 10-vr	community 6 affected <25% of	percentage 1 >50%	10 vulnerability) SVI between 0.5-0.75	wider benefit 1 categories Project delivers	7 category) Project does	or emergency access routes in the project 3 area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	0 115	10.64	22.14	13 22.14 296
033000082 3	Project 18 - Waterview Dr. Re-Route	Richardson	The project consists of replacing RCP with larger diameter RCP, contracting new RCCC, contracting additional curb inlets, and new junction boxes with manholes.	\$11,500,000	35	33 1	.76 94.3	9.4 33	0.89 118	4.06	0 0.00	1	1.69 0	0.00 0.569	999993 0.29	0	0.00 0.000000	0.00 No	o	0 <100-γτ	project community 8 affected	Life/injury risk percentage 1 >50%	(moderate to high 10 vulnerability)	delivers benefits in 3 wider benefit 7 categories	any environmenta 7 libenefits Project will	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 16.75	18.11	34.86	64 34.86 62
033000083 3	Pumphrev Dr. Storm Sewer System Improvements	Westworth Village	Upgrade of 280 LF of existing sewer, 2 existing inlets, and 1 Infrastruc	ture \$221.000	000 2	2 (100.0	10.0 1	0.19 2	1.07	1 1.06	0	0.00	0.00	2 0.76	0	0.00 0.0000000	0.00 No	0	0 1-vr	>75% of project community affected (by 4 population)	Life/injury risk percentrage 10 >40%	SVI between 0.01-0.25 (low 8 vulnerability)	Project delivers benefits in 3 wider benefit 1 categories	deliver a low level of environmenta I benefits (1 7 catezory)	in floodplain and the majority (>500k) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 15.25	13.68	28.93	156 28.93 14
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 trapenoidal shape with 41 side dopes. The primary crossing of Redmond Creek will be updated to 48'N' REB and a crossing to the west will be updated to a 2.3'32' RCB.	cture \$1,255,000	000 190	0 0	0.0	0.0 0	0.00	0.00	0 0.00	0	0.00	0.00 0.23	0.12	. 0	0.00 2.3099999	2.31 No	0	0 <2-yr	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories Project	Project does not provide any environmenta 4 Denefits	In floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 10	5.90	15.90	445 15.90 436
033000085 3	Harvest Hills Channel and Drainage Improvements	Arlington	Option 2 (Briar Meadow Diversion) DS channel improvements gives a 100 year LOS to protect structures, uses larger pipes, actional widening for conveyance, 5-buyouts, positive overflow & seasonate outfalls of existine dual 48° ACN-, Total cost \$12,656,000. Infrastruction of the cost	tture \$15.063.000	000 44	44 :	.88 100.0	10.0 41	0.94 164	4.30	3 2.18	0	0.00 1	0.57	0.00	0	0.00 0.1700000	0.17 No	0	Q 2-wr	<25% of project community 4 affected	Life/injury risk percentage 1 > 20%	SVI between 0.5-0.75 (moderate to high 4 vulnerability)	delivers benefits in only 1 wider benefit 7 category Project delivers	Project does not provide any environmenta 1 benefits Project does	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 10.25	20.30	30.55	30.55 11
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.	cture \$792,000	7	7	11 100.0	10.0 7	0.56 20	2.74	1 1.06	1	0	0.00	0 0.00	0	0.00 0.1000000	0.10 No	0	0 <100-үг	<25% of project community 8 affected <25% of project	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	benefits in only 1 wider benefit 1 category Project delivers benefits in	not provide any environmenta 1 l'benefits Project will deliver a l'ow level of	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 13.75	17.41	31.16	115 31.16 105
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 olanned. Property	Acquisition \$7.675.000	000 24	24	.62 100.0	10.0 24	0.83 157	4.27	0 0.00	0	0.00	0.00	0 0.00	0	0.00 0.1000000	0.10 No	0	0 <100-vr	project community 4 affected	Life/injury risk percentage 1 <20%	0.75-1.00 (high 2 vulnerability)	only 1 wider benefit 7 category	environmenta I benefits (1 1 catezory)	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 7.25	16.97	24.22	262 24.22 25

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FMP ID	Region Number	FMP Name	Sponsor	FMP Description	FMP Type Est	stimated Project Structures a Risk Raw	Removed Structures Raw Struct	hted) structures soved removed re	Neighted, Percent of structures emoved (0- 10)	Res (Weighted) Res Structures Removed	Removed Pop Raw Remov Populat	h Removed Crit ed Fac Raw ion	ArcSinh t (Weighted) R Removed Crit facilities	ArcSinh (Weighted WC Raw LWC	Removed Road Miles Raw	ArcSinh (Weighted) Ag Ro Removed R Road Miles	aw ArcSinh (Weighted Ag Remove	% Nature- Based Raw	% NBS, Normalized BCA R: (0-10)	w BCA Score Wa	ter Supply Water Supply Raw Score	FMP Type Pre-P Score Ave I	Project Score 1	Community Soil	ore 2 Life and Safety So	core 6 Social Vulnerability S	core 8 Multiple Benefit Sc	core 10 Environment al Benefit Sc	re 13 Mobility	Score 15 W	Project Score Bas Details ArcSis Veighted Normal Score Reported I	sed on Total Score (with ArcSinh lized normalization of Sectors select criteria)	th Rank (with ArcSinh of normalization of select criteria)	Pre RFI (OLD) Total Score Rank
				Project 13 proposes upsizing existing storm sewer mains and laterals, adding parallel storm sewers, and adding additional curb																				<25% of project	Dinfining sek	Still behavior	Project delivers benefits in 3	Project does not provide	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	ıs				
033000088	3	Project 13 - Mimosa & Melrose Dr		The state of the s	rm Drain	\$2,646,000	0 0	0.00 0.0	0.0	0 0.00	0	0.00	0.00	0 0.	30 1	0.57	0 0.	00 0	0.00 0.000	000 0.00 No	0	0 <100-у	yr	25%-50% of project	percentage 1 >50%	0.01-0.25 (low 10 vulnerability) SVI between 0.5-0.75	wider benefit 1 categories Project delivers benefits in only 1 wider	environmenta 7 i benefits Project will deliver a low level of	flooded, and emergency services access may 0 be restricted in some areas	4	14.75	0.57 15.	32 457	15.32 450
033000089	3	Arlington Johnson Creek - Collins Street and Division Street Buyout	Arlington	Properly acquisition in page postureury of instanted veeinly load. [Light structures along Collins Street and Division Street. No channel improvements planned. Prop	perty Acquisition	\$30,258,000 11	119	2.29 100.0	10.0	76 1.07	640	5.32	0 0.00	0 0	0 0	0.00	0 0.	000	0.00	000 0.00 No	0	0 <100-у	yr	ommunity 6 affected	percentage 4 >40%	(moderate to high 8 vulnerability)	benefit 7 category	I benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project O area. Project will protect major and minor access	0	12.75	18.68 31	43 109	31.43 104
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.	astructure	\$2,441,000 6	50 0	0.00 0.0	0.0	0 0.00	0	0.00	0 0.00	1 1/	59 0	0.00	0 0.	0 0	0.00 0.200	000 0.20 No	0	0 10-yr		<25% of project community 6 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	delivers benefits in 2 wider benefit 1 categories	not provide any environmenta 4 libenefits	routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to 0 the entire administrative area.	0 10	15	2.19 17.	19 423	17.19 413
				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																				<25% of project	Life/injury risk	SVI between 0.5-0.75 (moderate to	Project delivers benefits in 3	Project does not provide any	Project will protect all major access routes in floodplain and all emergency service access.	h .				
033000091	3	Saturn Springs Estates Drainage Improvements	Garland	laterals, regraded alleyways, and new curb and gutter along several roads.	astructure	\$10,696,000 3	32 6	1.04 18.8	19	6 0.53	18	2.66	1 1.06	0 0.	1	0.57	0 0.	00 0	0.00 0.100	000 0.10 No	0	0 2-yr		community 6 affected	percentage 1 >50%	high 10 vulnerability)	wider benefit 7 categories	environmenta 7 I benefits	Minor access routes are still flooded or have 0 restricted access in local areas.	7	17.25	7.99 25.	24 233	25.24 230
033000092	3	Terrell KC1 Watershed Drainaee Improvements		Implement and upsize storm drain on Brin St, College St, Rochecter St, & Gardner St. Add additional drainage crossing at SH 34. Place inlets at every intersection to capture additional runoff. Upsize railroad crossine and improve adiacent channel.	astructure	\$27.350.000 6	57 61	2.01 91.0	9.1	19 0.78	610	5.28	3 2.18	0 0.	00 Z	0.94	0 0.	00 0	0.00 0.000	000 0.00 No	0	0 <5-vr		<25% of project community 4 affected	Life/injury risk percentage 1 >50%	SVI between 0.75-1.00 (high 10) vulnerability)	Project delivers benefits in 3 wider benefit 10 categories	Project does not provide any environmenta 7 I benefits	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 0 the entire administrative area.	0 10	19.25	20.29 39.	54 29	39.54 2
																								>75% of project		SVI between	Project delivers	Project will deliver a low level of	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and	is				
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.	astructure	\$2,737,000	2 2	0.60 100.0	10.0	2 0.31	5	1.72 8	8 3.33	3 3/	19 4	1.36	0 0:	000	0.00 0.000	000 0.00 No	0	0 <100-y	yr	community affected (by 8 population)	Life/Injury risk percentage 10 >50%	0.25-0.5 (low to moderate 10 vulnerability)	benefits in 3 wider benefit 4 categories	environmenta I benefits (1 7 category)	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4	19.75	20.81 40.	.56 24	40.56 24
033000095	3	DMP Phase 1: Kirven Avenue (Project 1)		Supplement existing storm drain system with additional parallel system mear the intersection of Almond St and Sycamore St that extends downstream along itarin alve to the existing Marvin Ave outfall. Upizz Marvin Ave to 5 x 7 SEO outfall.	rm Drain	\$11,048,000 2	22 14	1.40 63.6	6.4	12 0.68	37	3.20	0 0.00	00	00 0	0.00	0 0	00 0	0.00 0.000	000 0.00 No	0	0 <5.yr		<25% of project community 6 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in 3 wider benefit 4 categories	Project does not provide any environmenta 7 benefits	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 0 the entire administrative area.	0 10	17.25	11.64 28	.89 <u>159</u>	28.89 14
																											Project	Project does	Project will protect some major access route in floodplain and the majority (>50%) of	is				
033000096	3	Estates Drive Bridge Replacement	Copper Carryon		astructure	\$1,410,000 1	12 4	0.88 33.3	3.3	2 0.31	5	1.72	5 2.77	0 0.	30 3	1.18 7.53	3000034 1.	43 0	0.00 0.100	000 0.10 No	0	0 <u>2</u> -yr		<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	delivers benefits in 3 wider benefit 4 categories Project delivers	not provide any environmenta 7 i benefits Project does	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect major and minor access	, 4	15.25	11.87 27.	12 198	27.12 193
033000097	3	PEC-4 Phases 384	Denton	Install 3,200 linear fr of 10/8f, 12*is2, and 16*is4 underground box culvert from the intersection with Phaze 2 at Prairie following the PCE 4 Tributary and then traveling down Mulberry to Bernard. Box culvert will contain the 100-vr floodelain.	rm Drain	\$15.973.000 8	39 81	2.13 91.0	9.1	70 1.05	244	4.60	2 1.73	1 1/	59 1	0.57	0 0.	00 0	0.00 0.100	000 0.10 No	0	0 <100·v	w	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	benefits in only 1 wider benefit 4 category Project	not provide any environmenta 1 l benefits	routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to 0 the entire administrative area. Project will protect some major access route	0 10	11.75	21.13 32.1	.88 83	32.88 80
033000098	3	Wingstree 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.	E upgrade	\$3,319,000 21	12 0	0.00 0.0	0.0	0 0.00	o	0.00	0 0.00	0 0.	00 0	0.00	0.002 0.	00 0	0.00 0.400	000 0.40 No	0	10 <2-yr		<25% of project community 6 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits	in floodplain and the majority (-50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	, 4	12.75	1.00 13:	.75 483	13.75 47;
				Proposed improvements include upsizing RCEC, replacing existing concrete-lined trapezoidal channel with 20 wide, 7' deep																				<25% of project	Life/injury risk	SVI between	Project delivers benefits in 2	Project does not provide any	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire					
033000100	3	Arlington Upper Village VC(A)-5 Channel and Culvert Improvements	Arlington	rectangular channel, and transitions downstream of Bowman Springs Road crossing and upstream of Crossgate Court crossing. Infra	astructure	\$4,504,000 2	21 13	1.37 61.9	6.2	13 0.69	28	2.99 (0.00	0 0.	00 0	0.00	0 0.	00 0	0.00 0.000	000 0.00 No	0	0 1-yr		community 6 affected	percentage 1 >40%	SVI between 0.01-0.25 (low 8 vulnerability)	wider benefit 1 categories	environmenta 4 i benefits	stations. Allows emergency services access to 0 the entire administrative area.	10	14	11.24 25.	24 234	25.24 231
033000101	3	Channel improvement on Brockbank Channel Basin north of SH 183	Irvine	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.	astructure	\$15.197.000 3	39	1.83 100.0	10.0	39 0.93	60	3.56	0.00	0 0.	00 1	0.57	0 0.	000 0	0.00 0.100	000 0.10 No	0	0 <50-vr	r	<25% of project community 4 affected	Life/injury risk percentage 1 >40%	SVI between 0.5-0.75 (moderate to high 8 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	Project does not provide any environmenta 4 I benefits	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 0 the entire administrative area.	0 10	16	17.13 33:	.13 77	33.13 7
033000107	3	Plantation Ridge Channel Improvements		Proposed 40' natural channel connecting Prairie Meadow and Helms Trail. Also includes significant improvements to culverts and new drainage disthes to protect residential lots from offsite flooding.	astructure	\$7,966,000 19	36 4	0.88 2.0	0.2	3 0.39	1	0.65	0 0.00	0 0	20 0	0.00 3.7	5999999 1.	07 0	0.00 1.300	000 1.30 No	0	0 <2-vr		<25% of project community 0 affected	Life/injury risk percentage 0 > 30%	SVI between 0.01-0.25 (low 0 yulnerability)	Project delivers benefits in only 1 wider benefit 1 category	Project does not provide any environmenta 1 l benefits	Project will protect some major access route in floodplain and the majority (-50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	/ 4	2.75	6.45 9.	20 557	9,20 54
033000108	3	CR-243 Drainage improvements	Kaufman County	Proposed culvert upgrades and roadside drainage ditch improvements to reduce roadway overtopping along County Road 243. Infra	astructure	\$4,767,000 7	70 0	0.00 0.0	0.0	0 0.00	0	0.00	0 0.00	0 0	000	0.00 1.40	9999967 0.		0.00 0.600	000 0.60 No	0	0 <2-yr		25%-50% of project community 0 affected	Life/injury risk percentage 0 >40%	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category Project	Project does not provide any environmenta 1 l benefits	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 0 the entire administrative area.	0 10	7.25	2.10 9:	35 555	9.35 54
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.	astructure	\$6,691,000 2	20 0	0.00 0.0	0.0	0 0.00	0	0.00	0 0.00	0 0.	00 0	0.00 0.73	0000019 0.	36 0	0.00 0.600	000 0.60 No	o	0 <10-yr	r	<25% of project community 0 affected	Life/injury risk percentage 0 >40%	SVI between 0.01-0.25 (low 0 vulnerability)	Project delivers benefits in only 1 wider benefit 1 category	Project does not provide any environmenta 1 benefits	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 0 the entire administrative area.	0 10	5.75	1.86 7.	.61 569	7.61 55
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.	astructure	\$8,019,000 6	52 0	0.00 0.0	0.0	0 0.00	0	0.00	0 0.00	0 0.	00 0	0.00	0 0.	00 0	0.00 0.100	000 0.10 No	0	0 <2-yr		<25% of project community 0 affected	Life/injury risk percentage 0 >20%	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 l benefits Project will	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 0 the entire administrative area.	0 10	7.25	0.25 73	50 571	7.50 56
043000001	4	Terry Gully Regional Detention Pond 1	Orange County Drainage District	Proposed detention pond for flood mitigation Dete	ention Pond	\$46,397,776 126	55 463	2.86 36.6	3.7	259 1.33	1288	5.84	9 3.47	0 0.	20 7	1.72 202	7400055 3.	17 0	0.00 0.300	000 0.30 No	o	0 Unkno	own	>75% of project commuity affected (by 10 population)	Life/injury risk percentage 10 >40%	SVI between 0.25-0.5 (low to moderate 8 vulnerability)	delivers benefits in only 1 wider benefit 4 category	deliver a low level of environmenta I benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 2 area.	. 0	16.75	22.80 39.	.55 28	39.55 28
043000002	4	Terry Gully Regional Detention Pond 2	Orange County Drainage District	Proposed detention pond for flood mitigation Dete	ention Pond	\$13,859,613 126	55 76	2.11 6.0	0.6	190 1.27	458	5.07 8	8 3.33	0 0.	00 0	0.00	81 2.	69 0	0.00 0.200	000 0.20 No	0	0 Unkno	own	>75% of project commuity affected (by 10 population)	Life/injury risk percentage 10 >40%	SVI between 0.25-0.5 (low to moderate 8 vulnerability)	delivers benefits in only 1 wider benefit 4 category Project	deliver a low level of environmenta I benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 2 area.		16.75	15.55 32.	30 89	32.30 8/
043000003	4	Terry Gully Regional Detention Pond 3	Orange County Drainage District	Proposed detention pond for flood mitigation Dete	ention Pond	\$93,350,288 126	55 108	2.25 8.5	0.9	28 0.86	551	5.20 8	8 3.33	0 0.	200 2	0.94	98 2	79 0	0.00 0.100	000 0.10 No	0	0 Unkno	own	>75% of project community affected (by 10 population)	Life/injury risk percentage 10 >40%	SVI between 0.25-0.5 (low to moderate 8 vulnerability)	delivers benefits in only 1 wider benefit 4 category Project	Project will deliver a low level of environmenta I benefits (1 1 category) Project will	Project provides no change to major, minor, or emergency access routes in the project 2 area.		16.75	16.47 33.	22 75	33.22 74
043000004	4	Terry Gully Regional Detention Pond 4	Orange County Drainage District	Proposed detention pond for flood mitigation Dete	ention Pond	\$60,463,724 126	55 61	2.01 4.8	0.5	4 0.45	463	5.08 8	8 3.33	0 0.	20 1	0.57	120 2.	89 0	0.00 0.100	000 0.10 No	0	0 Unkno	own	>75% of project community affected (by 10 population)	Life/injury risk percentage 10 >40%	SVI between 0.25-0.5 (low to moderate 8 vulnerability)	delivers benefits in only 1 wider benefit 4 category Project feliploger	deliver a low level of environmenta I benefits (1 1 category) Project will deliver a low	Project provides no change to major, minor, or emergency access routes in the project 2 area.	0	16.75	15.06 31.2	.81 99	31.81 94
043000005	4	Claiborne Park Regional Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation Dete	ention Pond	\$133,851,864 333	36 75	2.10 2.2	0.2	27 0.85	472	5.09 8	8 3.33	0 0.	1	0.57 92.4-	4999695 2.	76 0	0.00 0.200	000 0.20 No	0	0 Unkno	own	50%-75% of project community 10 affected >75% of	Life/injury risk percentage 7 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	delivers benefits in only 1 wider benefit 4 category Project delivers	level of environmenta I benefits (1 1 category) Project will	Project provides no change to major, minor, or emergency access routes in the project 2 area.		16.25	15.42 31.	.67 101	31.67 100
043000006	4	Kinard Estates Drainage Improvements	Orange County Drainage District	Proposed detention pond and local drainage improvements for flood mitigation Dete	ention Pond	\$96,833,696 150	129	2.33 8.6	0.9	71 1.06	554	5.21 5	9 3.47	0 0.	30 1	0.57	140 2:	97 0	0.00 0.100	000 0.10 No	0	0 Unkno	DWN	>75% of project community affected (by 10 population) >75% of	Life/injury risk percentage 10 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	delivers benefits in only 1 wider benefit 4 category Project rielivers	deliver a low level of environmenta I benefits (1 1 category) Project does	Project provides no change to major, minor, or emergency access routes in the project 2 area.		14.75	16.72 31	A7 107	31.47 10
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	C Upgrade	\$986,215	0 0	0.00 0.0	0.0	0 0.00	0	0.00	0 0.00	1 1	9 0	0.00	0 0.	00 0	0.00 0.100	000 0.10 No	0	10 Unkno	own	project community affected (by 6 population)	Life/injury risk percentage 10 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	benefits in only 1 wider benefit 1 category	not provide any environmenta 1 i benefits	Project will project all major access routes in floodplain and all emergency services access Minor access routes are still flooded or have 0 restricted access in local areas	7	13.25	1.94 15.	.19 459	15.19 45

Draft deliverative prepared for 2024 F

Draft Randed List of Flood Milliation Projects

FMP ID	Kegion FMP Name umber	Sponsor	FMP Description	FMP Type	Estimated Project	Structures at Remove Structure Raw	ArcSinh (Weighted) res Removed	Percent of structures removed removed	nted, Removed Res Structures Removed Raw Rem	rcSinh highted) Res Res uctures	ArcSinh (Weighted) R Removed Population	emoved Crit Fac Raw Remon	Sinh ghted) Removed ed Crit LWC Raw	ArcSinh (Weighted) Removed	Removed Road Miles Raw	nh ted) Ag Remov sed Raw	ArcSinh (Weighted) Ag Removed	% Nature- % Nature- Based Raw (0-10)	BCA Raw BCA	Score Water Supply	Water Supply Score	FMP Type Pre-Project Score Ave Depth So	ore 1 Community Need So	ore 2 Life and Safety S	core 6 Social Vulnerability	core 8 Multiple Benefit	Score 10 Environment al Benefit Score	13 Mobility	Score 15 Project Score 15 Weighted Force Rep	re Based on ArcSinh ArcSinh normalized nord select criteria)	normalization of Total Sco	(OLD) Pre RFI (OLD) core Rank
							Structures	10) Raw Re	moved	Population	120	inus	LWC	Road N	ines							50%-75% of project	Life/injury risk	SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	Project will deliver a low level of environmenta	Project provides no change to major, minor,	Store Rep	orted ractors select criteria)	elect Criteria)	
043000008	4 Lawrence Road Detention Pond	Orange County Drainage District	Expansion of existing detention pond	Detention Pond	\$29,215,06	2 3336	124 2.31	3.7	0.4 41	0.94	570 5.23	0	0.00	2 2.77	0	0.00	0.00	0 0.0	0.3000000	0.30 No	0	0 Unknown	community 10 affected 50%-75% of	percentage 7 >40%	to moderate 8 vulnerability) SVI between	Project delivers benefits in	I benefits (1 1 category) Project will deliver a low level of	or emergency access routes in the project 2 area. Project provides no change to major, minor,	0 15.25	12.37 27.62	188 2	.7.62 183
043000009	4 Upper Cow Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention Pond	\$172,241,39	2 3336	126 2.32	3.8	0.4 73	1.06	165 4.31	0	0.00	0.00	1	0.57	30 2.16	0 0.0	0.3000000	0.30 No	0	O Unknown	community 10 affected >75% of project	percentage 7 >20%	to moderate 4 vulnerability) SVI between	only 1 wider benefit 4 category Project delivers benefits in	l benefits (1 1 category) Project will deliver a low level of	or emergency access routes in the project area.	0 13.25	11.55 24.80	244 2	4.80 240
043000010	4 Upper Adams Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention Pond	\$19,561,92	532	55 1.97	10.3	10 11	0.66	437 5.03	8	3.33	0.00	0	0.00	84 2.70	0 0.	0.3000000	0.30 No	0	O Unknown	community affected (by 10 population)	Life/injury risk percentage 10 >20%	0.25-0.5 (low to moderate 4 vulnerability)	only 1 wider benefit 4 category Project delivers	environmenta I benefits (1 1 category) Project will deliver a low level of	Project provides no change to major, minor, or emergency access routes in the project 2 area.	0 14.75	15.48 30.23	133 3	30.23 122
043000011	4 Cole Creek Detention Pond	Orange County Drainage District	Proposed detention pond for flood mitigation	Detention Pond	\$41,147,92	8 2071	14 1.40	0.7	0.1 14	0.71	438 5.03	0	0.00	0.00	0	0.00 137.39999	339 2.96	0 0.0	0 0.2000000	0.20 No	0	0 Unknown	25%-50% of project community 10 affected	Life/injury risk percentage 4 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	benefits in only 1 wider benefit 4 category	level of environmenta I benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 2 area.	0 11.75	10.67 22.42	303 22	22.42 292
			Two proposed bridge installations over creek crossing on County Road 2400 to reduce roadway overtopping curing storm events.																				<25% of project community		SVI between 0.01-0.25 (low	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	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				
043000012	4 CR-2400 Drainaee Improvements	Hunt County	Includes some creek channel aradina improvements. Two proposed bridge installations over creek crossing on Count Road 2706 to reduce roadway overtopping during storm events.	LWC Upgrade	\$14.437.13	2	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	1 1.69	1	0.57 0.0	0.01	0 00	0.7000000	0.70 No	0	10 Unknown	10 affected <25% of project	1 «Null»	SVI between 0.25-0.5 (low	4 category Project delivers benefits in only 1 wider	1 benefits Project does not provide	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and many minor access motest will remain	4 9.75	4.02 13.77	482	9.75 536
043000013	4 CR-2706 Drainage Improvements	Hunt County	Notation to the control of the contr	LWC Upgrade	\$9,125,85	3	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	o	0.00 0.1879999	994 0.10	0 0.0	0.8000000	0.80 No	o	10 Unknown	community 10 affected	1 <null></null>	to moderate 0 vulnerability)	benefit 4 category Project delivers	environmenta 1 Benefits Project does	flooded, and emergency services access may to be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 9.75	2.10 11.85	515	9.75 536
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.	n LWC Upgrade	\$9,217,49.	2 2	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0	0.00 0.1759999	999 0.09	0 0.0	0 0.4000000	0.40 No	0	10 Unknown	<25% of project community 10 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	benefits in only 1 wider benefit 4 category	not provide any environmenta 1 l benefits	emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 9.75	1.09 10.84	535	9.75 536
			Proposed bridge installation over creek crossing on County Road 4105 to reduce roadway overtopping during storm events.																				<25% of project community		SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	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				
043000015	4 CR-4105 Drainage Improvements	Hunt County	Includes side ditch grading improvements. Two proposed bridge installations over creek crossing on Count Road 4106 to reduce roadway overtopping during storm events.	LWC Upgrade	\$4,284,97	3 1	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00	0.00	0	0.00 0.9	0.07	0 00	0.3000000	0.30 No	0	10 Unknown	10 affected <25% of project	1 <null></null>	SVI between 0.25-0.5 (low	7 category Project delivers benefits in only 1 wider	1 I benefits Project does not provide	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50K) of emergency services access. Some major and many minor access routes will remain	4 11.25	0.82 12.07	511 1	1.25 514
043000016	4 CR-4106 Drainage Improvements	Hunt County	Includes some creek channel grading improvements directly under the proposed bridges.	LWC Upgrade	\$3,344,19	9 5	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0.5000000	0.50 No	0	10 Unknown	community 10 affected	1 <null></null>	to moderate 0 vulnerability)	benefit 4 category	environmenta 1 benefits	flooded, and emergency services access may 0 be restricted in some areas	4 9.75	1.25 11.00	533	9.75 536
			Program comprised of improvements and construction of new infrastructure currently being implemented to reduce the risk of																				25%-50% of project		SVI between 0.75-1.00	Project delivers benefits in 2	Project will deliver a high level of environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
043000017	4 Orange County Coastal Storm Risk Management Project	Orange County Drainage District	storm surge impacts in Orange, Jefferson, and Brazoria Counties in Texas.	Flood Walls and Levees	\$2,270,099,96	8 7929 1	1618 3.39	20.4	2.0 1272	1.67 2	:375 6.29	9	3.47	1 7.17	28	2.62 1678.7220	046 4.29	0 0.0	0 1.6000000	1.60 No	0	0 Unknown	community 8 affected	4 0	(high 0 vulnerability)	wider benefit 10 categories	l benefits (4+ 4 categories) Project will deliver a low level of	flooded, and emergency services access may 10 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 16.5	34.92 51.42	4 4	7.42 7
043000018	4 Kilgore Downtown Storm Sewer Master Plan Improvements	Kilgore	Downtown Storm Sewer Improvements	Storm Drain	\$2,238,25	2 0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	1	0.57	0 0.00	0 0.0	0.0100000	0.01 No	0	0 Unknown	<25% of project community 2 affected	1 0	SVI between 0.75-1.00 (high 0 vulnerability)	Project does not deliver any wider 10 benefits	environmenta I benefits (1 0 category)	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	0.60 9.85	546	9.85 531
043000020	4 Parker Creek Maintenance	Marshall	Remove debris and clear channel South of Hwy 59 to Five Notch Rd	Channel	\$258,02	3 465	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0 0.1000000	0.10 No	0	0 Unknown	25%-50% of project community 8 affected	4 <null></null>	0.5-0.75 (moderate to high 0 vulnerability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 l benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 9.5	0.25 9.75	548	9.75 534
043000021	4 Turtle Creek Maintenance	Marshall	Remove debris and clear channel West of Hwy 59	Channel	\$504,46	4 465	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0 0.000000	0.00 No	0	0 Unknown	25%-50% of project community 8 affected	4 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 i benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 9.5	0.00 9.50	552	9.50 542
																							25%-50% of project community		SVI between 0.5-0.75 (moderate to high	Project does not deliver any wider	Project does not provide any environmenta	Project provides no change to major, minor, or emergency access routes in the project				
043000022	4 Upper Happy Hollow Drainage Improvement - City Park	Marshall	Improve Drainage Walls - Carter thru City Park	Channel	\$981,07	5 465	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0	0.00	0.00	0 0.0	0.0000000	0.00 No	0	0 Unknown	8 affected 25%-50% of project	4 <null></null>	SVI between 0.5-0.75 (moderate to	7 benefits Project delivers benefits in only 1 wider	0 I benefits Project will deliver a low level of environmenta I benefits (1	Project provides no change to major, minor,	0 9.5	0.00 9.50	552 9	9.50 542
043000023	4 Parker Creek Detention Pond	Marshall	Detention pond by UPRR	Detention Pond	\$5,047,89	3 465	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	O	0.00	0 0.00	0 0.0	0.1000000	0.10 No	0	0 Unknown	8 affected 25%-50% of project	4 <null></null>	0 vulnerability) SVI between 0.5-0.75 (moderate to	7 category Project does	1 category) Project does not provide	or emergency access routes in the project 6 area. Project provides no change to major, minor,	0 11.25	0.25 11.50	522 1	1.50 505
043000024	4 Upper Happy Hollow Drainage Improvement - Smith Park	Marshall	Drainage improvement through Smith Park	Channel	\$491,86	5 465	9 1.21	1.9	0.2 5	0.49	18 2.66	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0.1000000	0.10 No	o	0 Unknown	community 8 affected 25%-50% of	4 <null></null>	high 0 vulnerability) SVI between 0.5-0.75	any wider 7 benefits Project does	environmenta 0 I benefits Project does not provide	or emergency access routes in the project of area.	0 9.5	4.81 14.31	473 1	4.31 464
043000025	4 Parker Creek Improvements	Marshall	Improvements through downtown	Channel	\$19,010,11	5 465	2 0.60	0.4	0.0 0	0.00	73 3.70	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0.1000000	0.10 No	0	O Unknown	project community 8 affected	4 <null></null>	(moderate to high 0 vulnerability)	not deliver any wider 7 benefits	any environmenta 0 i benefits Project will deliver a low level of	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 9.5	4.60 14.10	478 1	14.10 466
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	\$10,000,00	1520	4 0.88	0.3	0.0 4	0.45	18 2.66	0	0.00	0.00	0	0.00	0.00	0.00	0 0.6000000	0.60 No	o	0 Unknown	<25% of project community 10 affected	1 <null></null>	0.5-0.75 (moderate to high 0 vulnerability)	Project does not deliver any wider 7 benefits	environmenta I benefits (1 0 category) Project will	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 10.5	5.51 16.01	442 14	16.01 432
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 Acquisition	\$56,159,64	8 517	22 1.59	4.3	0.4 22	0.81	75 3.72	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0 3.2000000	3.20 No	0	0 Unknown	<25% of project community 10 affected	1 <null></null>	0.5-0.75 (moderate to high 0 vulnerability)	Project does not deliver any wider 7 benefits	deliver a low level of environmenta I benefits (1 Category) Project will	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 10.5	14.54 25.04	237 :	25.04 233
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 Acquisition	s10,000,00	16974	0 0.00	0.0	0.00	0.00	0 0.00	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0 1.000000	1.00 No	0	0 Unknown	>75% of project community affected (by 10 population)	Life/injury risk percentage 10 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	delivers benefits in only 1 wider benefit 4 category	deliver a low level of environmenta I benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 18.75	2.50 21.25	333 11	18.75 372
																							>75% of project community affected (by	Life/injury risk percentage	SVI between 0.25-0.5 (low to moderate	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta I benefits (1	Project provides no change to major, minor, or emergency access routes in the project				
043000030	4 Orange County Elevation of Residential Structures Program	Orange County	Elevations of homes within Floodplains throughout County.	Property Elevation	\$10,000,00	0 16974	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0	0.00	0.00	0 0.0	0 1.0000000	1.00 No	0	0 Unknown	10 population) <25% of	10 >50%	5VI between 0.5-0.75	4 category Project delivers benefits in	1 category) Project does not provide	6 area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and	0 18.75	2.50 21.25	333 11	8.75 372
043000031	4 Bishead Creek Flooding - Roadway Improvements to Stone Road	Kileore	Procosed drainage improvements near Bishead Creek	LWC Uperade	\$57.548.15	2 517	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0.1700000	0.17 No	0	10 Unknown	community O affected	1 <null></null>	(moderate to high 0 vulnerability)	only 1 wider benefit 7 category Project	environmenta 1 libenefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 6.25	0.43 6.68	574	6.25 567
043000032	4 Harris Creek Tributary Flooding	Longview	Proposed drainage improvements near Harris Creek	Channel	\$53,892,34	1520	50 1.93	3.3	0.3 47	0.97	246 4.61	0	0.00	0.00	0	0.00 0.0799999	998 0.04	0 0.0	0 0.0100000	0.01 No	0	0 Unknown	<25% of project community 0 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 l benefits	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 0 be restricted in some areas	4 6.25	7.90 14.15	475	6.25 567
																							<25% of project community		SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	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 0 be restricted in some areas				
043000033	4 Iron Bridge Creek Neighborhood Flooding	Longview	Proposed drainage improvements near Iron Bridge Creek	Detention Pond	\$25,270,80	s 1520	14 1.40	0.9	0.1 13	0.69	26 2.94	0	0.00	0.00	0	0.00 0.0258000	0.01	0 0.0	0.0100000	0.01 No	0	0 Unknown	community 0 affected <25% of	1 <null></null>	0 vulnerability) SVI between	Project delivers benefits in	1 libenefits Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and	4 6.25	5.16 11.41	528	6.25 567
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	\$2,141,68	2 0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	1 1.69	0	0.00 0.0	0.00	0 0.0	0.9000000	0.90 No	0	10 Unknown	project community 10 affected	1 <null></null>	0.25-0.5 (low to moderate 0 vulnerability) SVI between 0.5-0.75	only 1 wider benefit 4 category	any environmenta 1 l benefits Project does	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 9.75	3.94 13.69	486	9.75 536
043000035	4 Sabine Flood Measurement Gages	Sabine River Authority	Install flood measurement gages in regionwide	Flood Measurement and Warning	\$737,14	12591	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0	0.00	0 0.00	0 0.0	0 1.0000000	1.00 No	0	0 Unknown	<25% of project community 0 affected	Life/Injury risk percentage 1 >40%	0.5-0.75 (moderate to high 8 vulnerability)	Project does not deliver any wider 7 benefits	not provide any environmenta 0 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 8	2.50 10.50	540	10.50 525

Draft deliverative prepared for 2024 i

FMP ID Region Number	FMP Name	Sponsor	FMP Description	FMIP Type Estimated Pro Cost		Removed Structures Raw ArcSinh (Weighted) Removed Structures	Percent of structures removed (Calculated) Weight Percent of structure structure remove 100	ted, Removed Res (Weigh ries Removed d (0- Raw Arcsi (Weigh Removed Res (Weigh Removed R	Removed Pop (W Raw Re Po	ArcSinh /eighted) Remove emoved Fac R	ArcSinh (Weighted) F Raw Removed Crit facilities	Removed (Weigh LWC Raw Remo	nh (ted) Removed (Road Miles (C Raw	ArcSinh (Weighted) Ag I Removed Road Miles	Removed Raw ArcSinh (Weighted Ag Remove	% Nature- Based Raw	% NBS, Normalized (0-10)	BCA Score Wa	ter Supply Water Si Raw Scor	iupply FMP Type re Score	Pre-Project Ave Depth Score 1	Community Need Sco	e 2 Ufe and Score I	Social Vulnerability	Score 8 Multiple Benefit Score	10 Environment al Benefit Sc	core 13 Mobility	Score 15 Project Details Weighte Score	Score Based on ArcSinh ArcSinh Normalized Reported Factors	nh ArcSinh	Pre RRI (OLD) If Total Score Pre RRI (OLD) Rank
053000001 5 8:	layou 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	1,000 534	101 2.22	18.9	19 41	0.94 286	4.72	4 251	0	0.00	0.00 44	93326187 2.3	17 0	0.00 4.900000	1 4.90 No		0 0	Unknown	<25% of project community 6 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability)	Project delivers benefits in 3 wider benefit 1 categories	Project will deliver a moderate level of environmenta I benefits (2-3 7 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 9.	26.91	36.16 5	53 36.16 51
	lessile Heights Drainage Ditch Extension Project	Orange County	Expand the Bessie Heights: Drainage Ditch to address flooding risk to residential properties in the area.			8 1.16	5.8	0.6 8	0.59 10	2.23	0 0.00	0	0.00	0.00	0.0	10 0	0.00 0.010000	0 0.01 No		0 0	Unknown	<25% of project community 6 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability)	Project delivers benefits in only 1 wider benefit 1 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3e restricted in some areas:	4	7 4.58	11.58 51	.9 11.58 502
			Construct levees, floodwalls, pump stations, drainage structures,																			25%-S0% of project		SVI between 0.5-0.75 (moderate to	Project delivers benefits in 2	Project will deliver a moderate level of environmenta	Project will protect some major access routetes in floodplain and the majority (>50%) of emergency service access. Some major and mam minor access routes will remain				
053000004 S Po	ort Arthur and Vicinity Coastal Storm Risk Management Projec	Jefferson County t Drainage District 7	and other flood mitigation infrastructure to reduce adverse flood	Comprehensive \$863,000	2,000 23310	3275 3.68	14.0	1.4 2308	1.80 8315	7.22	71 5.94	0	0.00 33	2.70 12.	24948025 1.6	9 0	0.00 4.599999	9 4.60 No		0 2	Unknown	community 2 affected	4 <null></null>	high 0 sulnerability)	wider benefit 7 categories	I benefits (2-3 4 categories)	flooded, and emergency services access may 6 be restricted in some areas Project will protect some major access routes	4 :	35.94	46.94 9	48.44 6
053000005 S O	Drange 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	0,000 3872	201 2.51	5.2	0.5 136	1.19 357	4.88	0 0.00	0	0.00	0.94 2.1	23138905 0.3	9 0	0.00 1.200000	0 1.20 No		0 2	Unknown	>75% of project community affected (by 2 population)	10 <null></null>	SVI between 0.01-0.25 (low 0 yulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a moderate level of environmenta l benefits (2-3 4 categories) Project will	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas Project will protect some major access routes	4 :	13.84	24.84 243	3 24.84 239
053000006 5 BI	llack 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.	Comprehensive \$22,234	1,300 177	12 1.33	6.8	0.7 10	0.64 29	3.02	0 0.00	0	0.00	0.00	2.0	0 0	0.00 0.260000	0 0.26 No		0 2	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >30%	SVI between 0.5-0.75 (moderate to high 6 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	deliver a low level of environmenta I benefits (1 4 category)	in floodplain and the majority (+50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 12.	rs 6.32	19.07 377	7 19.07 364
07300007			The project includes two new detention basins located along Sandy Creek to mitigate flooding historically experienced by the		172					420								0.000 No.				25%-50% of project community	Life/injury risk percentage 4 >50%	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta I benefits (1	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may				
	andy Creek Improvement Project our Lake Channel Improvements	Jasper Handle County	City of Jasper. The project proposes a new diversion channel through Sour Lake, providing a path for runoff from the West to the East.	Detention Pond \$224,924 Comprehensive \$63,303		16 1.45	5.7	0.5	0.49	4.29	0 000		0.00	0.00 0.0	90288353 1.3	22 0	0.00 0.00000	0.00 No		0	Unknown	>75% of project community affected (by 4 population)	Life/injury risk percentage	SVI between 0.25-0.5 (low to moderate	10 category Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta I benefits (1	3 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may		6.83	113	15.83 IA
053000008 5 R	tosedale Improvement System	Hardin County Jefferson County Drainage District 6	The project proposes widening and deepening of existing channels uptream of the LNVA canal, a diversion channel to the Neches River, and detention basins, near the Rosedale Acres community.	Comprehensive \$308,620		194 2.50	11.4	11 145	1.21 421	5.00	4 251	0	0.00	1.18 20	69403839 1.5	17 0	0.00 0.010000	0 0.01 No		0 2	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	4 category Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta l benefits (1 1 category)	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>59%) of 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	5 15.54	25,04 23	24.93 233
053000010 5 N	iome 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		11 1.30	4.0	0.4 8	0.59 11	2.30	0 0.00	0	0.00	0.57 2.9	83346939 0.5	16 0	0.00 0.000000	0 0.00 No		0 2	Unknown	50%-75% of project community 6 affected	Life/injury risk percentage 7 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 13	.5 6.11	19.61 35	.8 19.61 351
053000011 S Po	tevitot Gully improvement System	Jefferson County Drainage District 6	The project proposes an improvement system consisting of offline detention basins and channelization along Pevitot Guily.	c Comprehensive \$319,970	D,816 287	27 1.67	9.4	0.9 3	0.39 245	4.60	0 0.00	0	0.00	1.36 1	2.7791481 1.7	12 0	0.00 0.000000	0 0.00 No		0 2	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.01-0.25 (low 4 vulnerability)	Project delivers benefits in only 1 wider benefit 1 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (+50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4	8 10.67	18.57 38	.5 18.67 375
053000012 5 W	Willow Marsh Bayou Phelan Bivd Detention	Jefferson County Drainage District 6	The project proposes an improvement system consisting of in-line detention basins and channelization along Willow Marsh from Phenian Blvd to Highway 90.	Comprehensive \$203,869	9,200 378	14 1.40	3.7	0.4 4	0.45 35	3.16	0 0.00	0	0.00 1	0.57 5.3	12619686 1.2	15 0	0.00 0.00000	0 0.00 No		0 2	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >30%	SVI between 0.25-0.5 (low to moderate 6 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4 10	5 7.20	17.70 41	3 17.70 401
053000013 5 W	Millow March 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	1.336 3853	102 2.23	2.6	0.3 65	1.04 239	4.58	0 0.00	0	0.00	1.80 7.7	54499912 1.4	15 0	0.00 0.00000	0 0.00 No		0 2	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4 5	5 11.37	20.87 338	8 20.87 328
053000014 5 W	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	2,720 606	25 1.64	4.1	0.4 12	0.68 96	3.91	0 0.00	0	0.00	1.36 2.4	37843561 0.8	16 0	0.00 0.000000	0 0.00 No		0 2	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.01-0.25 (low 4 vulnerability)	Project delivers benefits in only 1 wider benefit 1 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4	8 8.85	16.85 43	4 16.85 424
053000015 S T ₁	yrrell 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 gair the full benefits the project should be accompanied by improvements of roadside ditches in adjacent neighborhoods.	Channel \$25,095	5,036 503	18 150	3.6	0.4 14	0.71 82	3.79	0 0.00	0	0.00	0.57 0.1	.00893542 0.0	0	0.00 0.060000	0 0.06 No		0 0	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 5	5 7.14	16.64 43	7 16.64 426
053000016 5 G	ireen Fond Flow Diversion	Jefferson County	The project proposes a diversion of storm runoff into the Green Pond detention facility via construction of a berm and spillway across Channel 505-8 east of the Green Pond facility. Channel improvements are also included.	Comprehensive \$7,779	9,088 263	43 1.87	16.3	16 36	0.91 64	3.61	0 0.00	0	0.00	1.18 27.	32760429 2.1	11 0	0.00 0.005000	0 0.00 No		0 2	Unknown	<25% of project community 6 affected	Life/injury risk percentage 1 >30%	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 8	5 11.32	19.82 35:	3 19.82 344
053000017 5 LL	ucas/Delaware Olversion	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 100 near Charles Street before ultimately discharging into the Neches River.	Channel \$130,286	5,232 5231	595 2.97	11.4	1.1 550	1.49 2845	6.42	0 0.00	0	0.00 5	1.50 0.0	190006024 0.0	0	0.00 0.020000	0 0.02 No		0 0	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta l benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes Project will protect some access access routes project some access	4 8	.5 13.62	22.12 315	15 22.12 300
053000018 5 Sc	outh Park Diversion	Jefferson County Drainage District 6	The project includes storm sewer improvements that divert flow away from DD6 channels 104 and 104-8 to be redirected to the Neches River.	Channel 599,908	3.752 1367	373 2.77	27.3	2.7 321	1.38 1225	5.80	0 0.00	0	0.00 4	1.36	0.00	10 0	0.00 0.050000	0 0.05 No		0 0	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high vulnerability)	delivers benefits in only 1 wider benefit 7 category Project	Project will deliver a low level of environmenta I benefits (1 1 category)	rioject, was protect unite major actess roluse, in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes	4	14.16	24.16 26	3 24.16 255
053000019 5 Te	levis 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	7,200 712	394 2.79	55.3	5.5 284	1.35 1986	6.16	7 3.17	0	0.00 5	1.50 0.0	B1336151 0.0	12 0	0.00 0.050000	0 0.05 No		0 0	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high vulnerability)	delivers benefits in only 1 wider benefit 7 category Project	Project will deliver a low level of environmenta I benefits (1 1 category) Project will	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some access may 3 be restricted in some major access routes enright will protect some major access routes	4 :	20.65	30.65 124	30.65 114
053000020 5 BI	llanchette 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 599,173	3,000 1548	550 2.93	35.5	3.6 442	1.45 2005	6.16	0 0.00	0	0.00 11	2.01	0 0.0	0 0	0.00 0.620000	0 0.62 No		0 0	Unknown	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high vulnerability)	delivers benefits in only 1 wider benefit 10 category Project	deliver a low level of environmenta I benefits (1 1 category)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes	4 10	.5 17.66	28.16 175	75 28.16 168
Q53000021 5 Ty	yrrell Park Detention		The project condists of installing eight new detention basins to increase capacity to existing storm sewer and provide storage during extreme rainfall events.	Detention Pond \$187,974	1,224 283	231 2.57	81.6	8.2 207	1.28 331	4.83	0 0.00	o	0.00 4	1.36 0.8	147341478 O.A	12 0	0.00 0.000000	0 0.00 No		0 0	Unknown	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate vulnerability)	delivers benefits in only 1 wider benefit 4 category Project	Project will deliver a low level of environmenta I benefits (1 1 category) Project will	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some access may 3 be restricted in some major access routes enright will protect some major access routes	4 7	5 18.61	26.11 216	16 26.11 215
053000022 5 VI	figinia Street Detention	Jefferson County Drainage District 6	The project consists of storm sewer improvements and the construction of new detention points to provide increased capacity to the existing storm sewer system. Improvements primarily located at the southern edge of Beaumont near US-287 N.	Comprehensive \$9,751	1,456 376	199 2.51	52.9	5.3 174	1.25 689	5.37	0 0.00	0	0.00	1.18 0.4	82981831 0.3	15 0	0.00 2.790000	0 2.79 No		0 2	Unknown	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high vulnerability)	delivers benefits in only 1 wider benefit 7 category Project	deliver a low level of environmenta I benefits (1 1 category)	In floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes	4	9 22.82	31.82 97	7 31.82 94
053000023 5 D.	Delaware Hilcom Detention Diversion	Jefferson County Drainage District 6	Construct two detention ponds near Delaware Street that outfall to D06 Ditch 121 and Hillebrandt Bayou. Ponds to be accompanied by storm sewer improvements to aid in redirecting flow.	Comprehensive \$13.181	1.257 1496	229 2.57	15.3	1.5 148	1.21 681	5.36	0 0.00	0	0.00	0.00 0.2	19331563 0.1	1 0	0.00 4.040000	0 4.04 No		0 2	Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.01-0.25 (low 4 vulnerability)	delivers benefits in only 1 wider benefit 1 category Project	Project will deliver a low level of environmenta I benefits (1 1 catezory) Project will	In floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes	4	8 20.89	28.89 158	
053000024 S Br	lorley Heights Relief Project	Jefferson County	The project consists of constructing three new crossings under the LBVW Canal, a diversion ditch on the west side of the canal, concrete-lined receiving ditches along the canal, and improvements to the existing Ditch 1002-8.	Comprehensive \$4,577	7,210 172	157 2.41	91.3	9.1 155	1.22 277	4.69	0 0.00	0	0.00	0.57 4.2	40639687 1.1	.4 0	0.00 1.660000	0 1.66 No		0 2	Unknown	<25% of project community 2 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	delivers benefits in only 1 wider benefit 7 category	deliver a low level of environmenta I benefits (1 1 category)	in floodplain and the majority (+50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4	8 23.31	31.31 112	2 31.31 107

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Draft Randed List of Flood Milligation Projects

FMP ID Region	r	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Cost	Structures at Risk Raw	Removed (Weightructures Raw Structures	rcSinh Perce eighted) struct moved remo uctures (Calcul	weighted, Percent of structures oved fated) Weighted, Percent of structures removed (0- 10)	Removed Res Structures Removed Raw	ArcSinh (Weighted) Res Structures Removed	moved Pop Raw Remove Populati	nd) Removed Cri	ArcSinh (Weighted) Removed Crit facilities	Removed (Weigl	iinh hted) Remover Road Mile VC Raw	ArcSinh (Weighted) Removed Road Miles	Ag Removed Raw Ag	ArcSinh % Nat reighted) Based	% NBS, Normalizer (0-10)	I BCA Raw	BCA Score	ater Supply Water Su Raw Score	pply FMP Type Score	Pre-Project Ave Depth	Score 1 Community Need	Score 2 Life and Safety	Score 6 Social Vulnerability	Score 8 Multipl Benefit	Score 10 Environment	Score 13	Mobility Si	Project Details Weighted Score	Score Based on ArcSinh ArcSinh Normalized Reported Factors	ion of normalization of	Pre RFI (OLD) Total Score Rank	ND)
053000025 S	East China Relief Projec	ı	Jefferson County Drainage District 6	The project consists of constructing new linear detention upstream of the LIVA Canal, a concrete block-lined channel downstream of the canal crossing, and an adequate structure at timere Road.	Comprehensive	\$2,853,160	374	22	1.59	5.9 0.	.6 16	0.74	21	2.78	0 0.00	0	0.00	0 0.00	0 17.24244308	1.87	0 0.	00 1.5400000	1.54 No	,	0 21	Unknown	25%-50% of project community 2 affected	4 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project delivers benefits in only 1 wid benefit 4 category	er environmentz I benefits (1	in floodplain and th emergency service : many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain igency services access may me areas	4 8	11.41	19.41 36	19.41	355
053000026 5	South Nome Relief Ditc	h	Jefferson County Drainage District 6	The project consists of constructing storm sewer improvements and a detention basin to prevent stormwater runoff from backing into Nome.	8 Comprehensive	\$2,286,770	91	22	1.59	24.2 2.	4 16	0.74	96	3.91	0 0.00	0	0.00	1 0.57	7 8.577803612	1.50	0 0.	00 1.1799999	1.18 No		0 21	Unknown	25%-50% of project community 2 affected	4 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project delivers benefits in only 1 wid benefit 4 category	er environmenta I benefits (1 1 category)	in floodplain and the emergency service : many minor access flooded, and emerg 3 be restricted in som		4 8	13.67	21.67 32.	2 21.67	309
053000027 5	Ditch 505 Detention		Jefferson County Drainage District 6	The project consists of constructing a detention pond near the intersection of IH-10 and Hwy 365 to the southwest of Beaumont	t. Detention Pond	\$13.803.085	222	2	0.60	0.9 0.	1 1	0.19	3 :	1.35	0 0.00	0	0.00	0 0.00	0 0	0.00	0 0.	00 1.2200000	1.22 No	,	0 01	Unknown	<25% of project community 2 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability)	Project delivers benefits in only 1 wid benefit 1 category	I benefits (1	in floodplain and the emergency service a many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain agency services access may me areas	4 5	5.28	10.28 542	10.28	527
053000026 6	Lower Clear Creek & Di Lower Clear Creek Alter	ckinson Bayou Flood Mitigation Plan - mative 3	League Oty	The LCC.Alt. Combination 3 as proposed as part of the LCCDBFMID (2021) including detention channel benching: a diversion tunnel capacity improvements, and an auditary opening.	P I, Comprehensive	\$1,150,000,000	3642	911	3.15	25.0 2.	5 835	158	3653	5.61	8 3.33	1	1.69	26 2.57	7 16.11000061	1.83	0 0	0.0600000	0.06 No		0 21	Unknown	<25% of project community 6 affected	Life/injury risk percentage 1 < 20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in wider ben 4 categories	fit I benefits (2-3	in floodplain and the emergency service a many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain gency services access may me areas	4 11.75	23.41	35.16 6	1 35.16	59
				Projects submitted as part of the CDBG MIT grant in the Brays																							<25% of	Mafalune sirk	SVI between 0.75-1.00	Project delivers benefits in	Project will deliver a moderate level of	Project will protect in floodplain and th emergency service :	t some major access routes the majority (>50%) of access. Some major and s routes will remain					
063000027 6	Brays Bayou Watershed Bintliff Ditch Improvem	Mitigation Project CDBG MIT Application ents D133-00-00 & Sharptown	- Harris County Flood Control District	Agou Watershed which include regional channel and detention projects including D133 (Bintiff Ditch) and Sharpstown Drainage	. Comprehensive	\$107,061,000	267	160	2.42	59.9 6.	0 118	1.16	2890	5.44	4 2.51	0	0.00	5 1.50	0.01	0.01	0 0.	0.1300000	0.13 No	,	0 21	Unknown	community 4 affected	percentage 1 <20%	(high 2 vulnerability)	wider ben 10 categories	fit I benefits (2-3 7 categories)	flooded, and emerg 6 be restricted in som	rgency services access may me areas	4 13.75	20.35	34.10 71	34.10	68
063000037 6	Sims Bayou CDBG MIT I C147/C547; South Shav SWDB & Channel Impro	Application - South Post Oak SWDB er SWDB C506-01-00-E003; Salt Water Disc evements C108-00-00	h Harris County Flood Control District	Projects submitted as part of the CDBG MIT grant in the Sims Bayou Watershed which include three [3] regional channel and detention projects including C147/CS47, Saltwater Ditch, and CS06.	Comprehensive	\$99,653,000	4367	2283	3.53	52.3 5.	2 2127	1.78	9352	7.31 3	2 4.99	2	2.77	17 2.29	9 2.470000029	0.86	0 0.	1.8000000	1.80 No		0 21	Unknown	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in wider ben 10 categories	fit I benefits (4+	many minor access	the majority (>50%) of access. Some major and s routes will remain gency services access may me areas	4 15.75	33.26	49.01 5	49.00	_4
063000040 6	Halls Bayou Watershed	Mitigation Application 1 - CD85 MIT	Harris County Flood Control District	Projects submitted as part of the CDBG MIT grant in Halfs Bayou which include five (5) regional channel and detention projects including C2B, C41 francy Viets, C41 Mainsten, C30, and C33.	Comprehensive	\$99,653,000	15541	3023	3.65	19.5 1	9 2652	1.83	9386	7.31	6 2.99	0	0.00	17 2.29	9 0.03999999	0.02	0 0.	00 1.4600000	1.46 No	,	0 21	Unknown	<25% of project community 8 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in wider ben 10 categories	fit benefits (2-3	in floodplain and th emergency service : many minor access flooded, and emerg	t some major access routes the majority (>50%) of access. Some major and s routes will remain igency services access may me areas	4 15.75	23.68	39.43 31	39.43	30
	White Oak Bayou CDBG	i MIT Application Projects: Kolbe Road	Harris County Flood	Projects submitted as part of the CDBG MIT grant in the White CD& Bayou Watershed which include five (5) regional channel an	d																						<25% of project	Life/injury risk percentage	SVI between 0.75-1.00	Project delivers benefits in wider ben	Project will deliver a moderate level of environmenta fit	in floodplain and the emergency service a many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain					
063000046 6	Little White Oak	s, Barwood, E132-00-00, Tower Oaks, &	Control District	detention projects industing Kolbe Road, Barwood, E132-00-00, Tower Calak, & LITLE White Cala Barwood. Apart of the Pewriand Master Drainage Plan (2019), this channel improvement alternative includes channel banching to increase conveyance capacity, bridgy full-veri replacement for remove hydralic restrictions, and reglonal detention to provide	Comprehensive	\$120.015.000	2937	670	3.02	22.8 2.	3 605	1.51	3899	5.66	3 2.18	0	0.00	7 1.72	2 0.01	0.01	0 01	0.8000000	0.80 No		0 2	Unknown	4 affected <25% of project	1 <20% Life/injury risk percentage	(high 2 vulnerability) SVI between 0.01-0.25 (low	10 categories Project do not delive any wider	7 categories) Project will deliver a moderate level of	Project will protect in floodplain and the emergency service : many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain	4 13.75	19.37	33.12 79	33.12	78
063000056 6	Mary's Creek Lower, Mi	ddle, and Upper Segment	Pearland	mitigation. Reduce flooding in the Caney Creek watershed by	Comprehensive	\$154,040,000	2711	2324	3.54	85.7 8.	6 1862	1.75	7614	7.16	6 2.99	1	1.69	34 2.74	4 85	1.50	0 0.	0.1600000	0.16 No		0 21	Unknown	6 affected	1 <20%	2 vulnerability) SVI between	1 benefits Project	0 categories) Project will deliver a moderate	6 be restricted in som Project will protect in floodplain and th	t some major access routes the majority (>50%) of	4 85	30.33	38.83 35	36.83	43
063000058 6	Caney Creek - Channeli SH105	zation at IH-69 & Detention at FM1097 +	Montgomery County	benching/widening a 7.8 mile-long stretch to increase conveyance capacity. Must be constructed with detention at RM1097 or detention at SH105 to capture runoff from Caney Creek.	Comprehensive	\$469,000,000	2146	1297	3.29	60.4 6.	0 998	1.62	2228	5.24	0.00	0	0.00	42 2.88	8 27.31999969	2.11	0 0.	0.3000000	0.30 No		0 2 5	Varies by Roadways	czsw or project community 6 affected	Life/injury risk percentage 1 <20%	0.5-0.75 (moderate to high 2 vulnerability)	benefits in wider ben 7 categories	fit I benefits (2-3	many minor access	access. Some major and s routes will remain regency services access may me areas	4 13.25	22.94	36.19 52	36.19	50
063000059 6	East Fork San Jacinto Ri	ver - Winters Bayou Detention	San Jacinto County	The goal of the detention facility is to reduce flooding in the East Fork watershed by constructing a 1.50-mile-long earthen impoundment floor displayer sunoff from Winters 8 years.	t Detention Pond	\$134,000,000	1896	651	3.01	34.3 3.	4 506	1.48	1412	5.90	1 1.06	0	0.00	17 2.29	9 5.869999886	1.30	o o	0 0.4700000	0.47 No) 0 0 F	Varies by Roadways	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project delivers benefits in wider ben 7 categories	Project will deliver a moderate level of environments fit Denefits (2-3 7 categories)	in floodplain and the	t some major access routes the majority (>50%) of access. Some major and s routes will remain gency services access may me areas	4 13.25	19.64	32.89 82	2 32.89	79
				The goal of the detention ponds is to reduce flooding in the Lake Creak and West Fork watenheds by constructing earthen																							<25% of project	Life/injury risk	SVI between	Project delivers benefits in	Project will deliver a moderate level of environments	in floodplain and the emergency service a many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain					
053000060 6	Lake Creek - Detention Canev Creek	on Garretts Creek, Little Caney Creek, &	Monteomery County	Impoundments that captures runoff from Garrett's Creek, Caney Creek. & Little Caney Creek.	Detention Pond	\$291.000.000	479	355	2.75	74.1 7.	4 265	1.34	383	4.93	0 0.00	1	1.69	5 1.50	0 0	0.00	0 0.	0.2600000	0.26 No		0 0 F	Varies by Roadwavs	community 8 affected	percentage 1 <20%	0.01-0.25 (low 2 vulnerability) SVI between	wider ben- 1 categories Project		flooded, and emerg 6 be restricted in som Project will protect	gency services access may	4 11.25	20.28	31.53 105	29.42 1	139
063000061 6	Peach Creek - Channeli Walker Creek	cation at IH-69 & Detention at SH105 +	Montgomery County	Widen 4.3 mile-long stretch to increase conveyance capacity, Must be completed with 4.7 mile long detention at \$45M5 and 3.2 mile-long at Walker Creek to reduce flooding in Peach Creek watershed.	Comprehensive	\$810,000,000	1516	1146	3.24	75.6 7.	6 842	1.58	1855	5.11	1 1.06	0	0.00	24 2.52	2 2.859999895	0.94	0 0.	0.2600000	0.26 No	,	0 2 F	Varies by Roadways	<25% of project community 0 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	delivers benefits in wider ben 7 categories	3 level of environments if it I benefits (2-3 7 categories)	emergency service : many minor access flooded, and emerg	access. Some major and s routes will remain igency services access may me areas	4 10.25	23.65	33.90 72	2 37.90	38
06300006Z 6	Spring Creek - Woodlan detention at Birch Cree	of (200-ft) and I-45 Channelization with k 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 1-65 channel. Must be completed with detention on 8irch Creek and Walnut Creek.	Comprehensive	\$393,000,000	7487	5479	3.90	73.2 7.	3 4732	1.95	18240	7.80	8 3.33	0	0.00	69 3.20	0 12.82999992	1.71	0 0.	0.7300000	0.73 No		0 2 5	Varies by Roadways	<25% of project community 8 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project delivers benefits in wider ben 1 categories	fit I benefits (2-3	in floodplain and the emergency service a many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain agency services access may me areas	4 11.25	31.04	42.29 11	3 42.29	18
	West Fork San Jacinto F	liver - Kingwood Benching & HW 242	Harris County Flood	Channel Improvement to reduce flooding in West Fork watershe by benchingly widening to increase conveyance capacity of West Fork to lower the water surface elevation. Conduct after or in	d																					Varies by	<25% of project community	Life/injury risk percentage	SVI between 0.01-0.25 (low	Project do not delive any wider	any environmenta	in floodplain and the emergency service a many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain rigency services access may					
	Channelization	ulations and Permit Requirements Update	Control District	conjunction with detention on Lake Creek or Spring Creek. Update regulations and permit requirements to address enhance hazard mitigation strategies.	Channel S Preparedness	\$994,000,000 \$109,000	4364	1638	3.39	37.5 3.	8 1460	1.70	7636	7.16 1	0 3.59	0	0.00	28 2.62	2 19.39999962	1.93	0 0	00 0.1000000	0.10 No		0 0 6	Roadways	10 affected <25% of project community 0 affected	1 >20%	4 vulnerability) SVI between 0.01-0.25 (low 0 vulnerability)	Project do not delive any wider 1 benefits	Project does not provide	Project will protect in floodplain and th emergency service many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain igency services access may	4 10	24.39	34.39 67	7 36.64	444
	City of League City Free			Update city ordinance to require 24° of freeboard in the floodplain.	Preparedness	\$109,000	5251	0	0.00	0.0 0.	0 0	0.00	0	2.00	0.00	0	0.00	0 0.00	0 0	0.00	0 0.	5.000000	5.00 No		0 41	Unknown	<25% of project community 0 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability)	Project do not delive any wider 1 benefits	Project does not provide any environmenta	Project will protect in floodplain and th emergency service :	t some major access routes the majority (>50%) of access. Some major and s routes will remain agency services access may	4 3	12.50	15.50 451	1 15.50 4	444
063000123 6		plain Land-Use Ordinance	Cleveland	The city shall adopt a land-use ordinance which prohibits buildinesidential or commercial structures in the 100-year floodplain.	Preparedness	\$109,000	261	0	0.00	0.0 0.	0 0	0.00	0	2.00	0 0.00	٥	0.00	0 0.00	0 0	0.00	0 0.	5.000000	5.00 No		0 41	Unknown	<25% of project community 0 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	Project do not delive any wider 7 benefits	Project does not provide	Project will protect in floodplain and th emergency service : many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain agency services access may	4 6	12.50	18.50 391	0 18.50 3	382
063000124 6	City of Cleveland Floop	lain Ordinance Uodate	Cleveland	Adopt a land use ordinance which requires any structure within the 100-wear floodolain to be elevated 2 feet.	Preparedness	\$109,000	261	0	0.00	0.0 0.	0 0	0.00	0	2.00	0 0.00	0	0.00	0 0.00	0 0	0.00	0 0.	0.0000000	0.00 No		0 41	Unknown	<25% of project community 0 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	Project do not delive any wider 7 benefits	any	in floodplain and th emergency service : many minor access	t some major access routes the majority (>50%) of access. Some major and s routes will remain agency services access may me areas	4 6	0.00	6.00 58:	6.00	572

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FMP ID Region Number	FMP Name	Sponsor	FMP Description FMP Typ	Estimated Project Cost Str	ructures at Re Risk Raw	moved (Weighted Removed Structures	Percent of structures removed (Calculated)	Weighted, Percent of structures emoved (0- 10)	ed Res (Weighted) tures Res Structures W Removed	Removed Pop Raw Rem Popu	Sinh ghted) Removed Fac Ray	ArcSinh (Weighted) R Removed Crit U facilities	emoved (We	rcSinh eighted) Remov Road M Raw	ArcSinh (Weighted Removed Road Mile) Ag Removed Raw	ArcSinh Weighted) g Removed	Nature- sed Raw % NBS, Normalize (0-10)	d BCA Raw	BCA Score Water Sup Raw	ply Water Supply Score	FMP Type Pre-P Score Ave I	roject Score	Community Need	core 2 Life and Safety	Score 6 Social Vulnerability	Score 8 Multiple Benefit	Score 10 Environment al Benefit	Score 13 Mobility	Score 15 Projec Details Weighte Score	ArcSinh Normalized n	otal Score (with ArcSinh Arc normalization of normali select criteria) select	ank (with ArcSinh Pre RFI (OLD Inalization of act criteria)	D) Pre RFI (OLD) Rank
063000127 6 G	salveston Bay Surge Protection Coastal Storm Risk Manageme	including Boliver Gates, Gulf Coast Protection Ecosystem Restoration,	ed in the Texas Coastal Study (2021) Galveston Sea Wall Improvements, Galveston Ring Barrier system, Clear Usters, and non-structural measures. Coastal	\$24,107,063,296	403346												482							<25% of project community	Life/injury risk percentage	SVI between 0.25-0.5 (low to moderate	Project delivers benefits in 3 wider benefit	Project will deliver a low level of environmenta I benefts (1 7 category)	Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access in 8 e restricted in some areas.	tes d				
	ity of Manyel City Ordinance	The city shall adopt a la	nd use ordinance which requires any Hyper floodplain to be elevated 2 feet		1250	0 0	0.0	0.0	0 0.0	346773	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	o a	00 5.0000000	5.00 No	0	4 Unkno	wn	<25% of project community 0 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	4 categories Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 benefits	Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency envires access n 0 be restricted in some areas	tes 1 1 3y	.5 12.50	17.00	427 17.0	.00 415
063000130 6 G	ity of Manuel Land-Use Ordinance Adoption		nd-use ordinance which prohibits building all structures in the 100-year floodplain. Preparedness	\$103,000	1250	0 0.	30 0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 a	00 5.0000000	5.00 No	0	4 Unkno	wn.	<25% of project community 0 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 i benefits	Project will protect some major access roo in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access m O be restricted in some areas.	tes 1 2y 4	.5 12.50	17.00	427 17	.00 415
063000132 6 CI	ity of Manuel GIS Database Improvements	Improve GIS database to and flooded structure de infrastructure planning. Manvel services to residents in s	o include repetitive loss properties areas ata. Data to be used for future drainage and to provide outreach and emergency Preparedness	\$21,000	1250	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	o a	00 0.0000000	0.00 No	o	4 Unkno	win	<25% of project community 0 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 i benefits	Project will protect some major access ro- in floodplain and the majority (>50K) of emergency service access. Some major and many minor access routes will remain flooded, and emergency envices access m 0 be restricted in some areas Project will protect some major access ro-	tes de la company de la compan	.5 0.00	4.50	596 4	50 589
063000136 6 Bi	razoria County NFIP Technical Material	Place copies of FEMA FI Brazonia County libraries.	ood-related technical bulletins in County Other	\$21,000	18848	0 0.	0.0	0.0	0 0.0	o .	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	o o	0.0000000	0.00 No	0	0 Unkno	wn	<25% of project community 0 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 benefits	in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access m O be restricted in some areas Prolect will protect some major access rou	1 ay 4	.5 0.00	4.50	596 4	50 589
063000139 6 Pr	ity of Clear Lake Shores - Implement Stormwater Management aractices	measures regarding wha	ement plan is focused on six minimum it is being done to prevent stormwater ting and renewals are required to ensure Preparedness	\$109,000	633	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	00 0.0000000	0.00 No	0	4 Unkno	wn	<25% of project community 0 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability)	Project does not deliver any wider 1 benefits	Project does not provide any environmenta 0 I benefits	in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access no be restricted in some areas: Project will protect some major access rou in floodplain and the majority (>50%) of	d ay 4	3 0.00	3.00	610 3	00 604
063000140 6 Ru	ity of Clear Lake Shores - Improve Regulations and Permit equirements.	Clear Lake Shores Update regulations and	permit requirements. Preparedness	\$109,000	633	0 0.	0.0	0.0	0 0.0	0 0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	o o	00 5.0000000	5.00 No	0	4 Unkno	wn	<25% of project community 0 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability) SVI between	Project does not deliver any wider 2 benefits	not provide any environmenta I benefits Project does	emergency service access. Some major an many minor access routes will remain flooded, and emergency services access m 0 be restricted in some areas Project will protect some major access rou in floodplain and the majority (>50%) of	d ay 4	3 12.50	15.50	451 15.	50 444
063000142 6 Ci	ity of Hitcock - Improve Regulations and Permit Requirements	Improve regulations and Hitchcock miligation strategies.	d permit requirements to promote hazard Preparedness	\$109,000	2655	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	o o	00 5.0000000	5.00 No	0	4 Unkno	wn	<25% of project community 0 affected	1 <null></null>	0.5-0.75 (moderate to high 0 vulnerability)	Project does not deliver any wider 7 benefits Project does	not provide any environmenta 0 I benefits Project does not provide	emergency service access. Some major an many minor access routes will remain flooded, and emergency services access n 0 be restricted in some areas Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major and	d day 4	6 12.50	18.50	390 18.9	50 382
063000143 6 Ri	ity of Jamaica Beach - Improve Regulations and Permit equirements	Improve regulations an ismalica Beach mitigation strategies.	d permit requirements to promote hazard Preparedness	\$109,000	1276	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	5.0000000	5.00 No	0	4 Unkno	wn	project community 0 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability) SVI between	not deliver any wider 1 benefits Project does	any environmenta 0 I benefits Project does not provide	many minor access routes will remain flooded, and emergency services access on the restricted in some areas. Project will protect some major access routin floodplain and the majority (>50%) emergency service access. Some major access routin floodplain and the majority (>50%) of emergency service access. Some major and protection of the protection of t	ay 4	3 12.50	15.50	451 15.	50 444
063000144 6 Ci	ity of Kemah - Improve Regulations and Permit Requirements		d permit requirements to promote hazard Preparedness	\$109,000	562	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	5.0000000	5.00 No	0	4 Unkno	wn	project community 0 affected <25% of project	Life/injury risk percentage 1 >30%	0.25-0.5 (low to moderate 6 vulnerability) 5VI between 0.25-0.5 (low	not deliver any wider 4 benefits Project does not deliver	environmenta 0 I benefits Project does not provide any	many minor access routes will remain flooded, and emergency services access no 0 be restricted in some areas Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major amany minor access routes will remain	ay 4 tes	5 12.50	20.00	350 20.0	341
063000145 6 CI	ity of Kemah - Update Floodplain Ordinance	Kemah minimum standard of N		\$109,000	562	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	5.0000000	5.00 No	0	4 Unkno	wn	community 0 affected <25% of project	1 <null></null>	to moderate 0 vulnerability) SVI between 0.5-0.75 (moderate to	any wider 4 benefits Project does not deliver any wider	environmenta 0 benefits Project does not provide any	flooded, and emergency services access m De restricted in some areas: Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access flooded, and emergency services access.	4 tes	5 12.50	17.00	427 17.0	0 415
	Its of La Marque - Improve Regulations and Permit Requirems	mitigation strategies. Update and/or develop hazards prone to the an	permit requirements to promote hazard Precaredness regulations and permits to address as and include any changes in future	\$109.000	829	0 0.	0.0	0.0	0 0.0	o o	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	5.0000000	5.00 No	0	4 Unkno	wn	community 0 affected <25% of project community	1 <null></null>	O vulnerability) SVI between 0.01-0.25 (low	7 benefits Project does not deliver any wider	Project does not provide any environmenta	tododed, and emergency services access in De restricted in some areas: Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major many minor access routes will remain flooded, and emergency services access access.	tes 1	6 12.50	18.50	390 18.	0 382
	ity of Tiki sland - Improve Regulations and Permit Requireme	Tiki island development area. Update and/or develop hazards prone to the an	Preparedness regulations and permits to address as and include any changes in future	\$109,000	1006	0 0	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	00 5.0000000 00 5.0000000	5.00 No	0	4 Unkno	wn	<25% of project community 0 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate	Project does not deliver any wider 4 benefits	Project does not provide any environmenta	O be restricted in some areas Project will protect some major access rox in floodplain and the majority (>50%) of emergency service access. Some major many minor access routes will remain flooded, and emergency services access acces	tes 1	3 12.50	15.50	451 15.1	0 444
	ity of Santa Fe - Improve Regulations and Permit Requiremen		use mapping to allow easier Preparedness	\$109,000	21858	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	00 0.000000	0.00 No	0	Varies 4 Roadw	by	<25% of project community 0 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 i benefits	O be restricted in some areas Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access m o be restricted in some areas	tes i	5 12.50	450	596	.00 615
	ity of Galveston Freeboard Requirement Enforcement	Consider adoption and Galveston Into City's Flood Damag	enforcement of freeboard requirement e Revention Ordinance. Preparedness	\$100,000	21858	0 0.	0.0	0.0	0 0.0	0	0.00	0 0.00	0	0.00	0 0.	00 0	0.00	0 0	00 5.0000000	5.00 No	0	4 Unkno	wn	<25% of project community 0 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 l benefits	Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access m 0 be restricted in some areas	tes i ay 4	.5 12.50	18.00	406 18	.50 382
063000167 6 G	iveens Mid-Reach	Bayou, specifically within Harris County Flood encompassing channel	vater surface elvations within Greens the mid-reach. Phased project conveyance improvement throughout all atornwater detertion basins. Comprehensiv	e \$120,284,000	4420	4016			4700		707						000		00 2.1300001	111				<25% of project community 0 affected	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 benefits	Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access	ay				
		Project proposed to imp	irove conveyance within the D111-00-00 re and University Boulevards. The LOS of			1816 3.				21508														<25% of project	Life/înjury risk	SVI between 0.01-0.25 (low	Project does not deliver	Project does not provide any	O be restricted in some areas Project will protect some major access row in floodplain and the majority (>50%) of emergency service access. Some major an many minor access rotes will remain	tes				
	oor Farm Ditch (0111-00-00) Conveyance Improvements betweelfaire and University Boulevards	A unified land develope into a single document friendly. Cost is time, da	If from a 10 year event to a 50 year event. zovided in the Meyer SW Detention Basin. Channel channel code combines all land use controls with a logical structure that is user that and preparation of a unified land	\$19,917,000	33	8 1.	16 24.2	2.4	5 0.4	54	3.48	2 1.73	0	0.00	3 1.	18 0	0.00	0 a	00 1.2300000	1.23 No	0	0 0.1		0 affected <25% of project community	percentage 1 <20%	2 vulnerability) SVI between 0.5-0.75 (moderate to high	any wider 1 benefits Project does not deliver any wider	O I benefits Project does not provide any environmenta	flooded, and emergency services access m Obe restricted in some areas: Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access	tes 1	4 13.55	17.55	416 19.1	5 353
063000201 6 Ci	ity of Alvin Unified Development Ordinance	Alvin development code.	Preparedness	\$100,000	3445	0 0	0.0	0.0	0 0.0	0	0.00	0 0.00	o	0.00	0 0.	00 0	0.00	o a	5.000000	5.00 No	0	4 Unkno	wn	0 affected	1 <null></null>	0 vulnerability) SVI between 0.5-0.75	7 benefits Project delivers benefits in 2	0 benefits Project does not provide	be restricted in some areas Project will protect some major access rou in floodplain and the majority (>50%) emergency service access. Some major and	tes	6 12.50	18.50	390 18.	0 382
063000311 6 Ci	ity of Galveston- 37th Street Improvement Project	Ine project proposes to implementing a storm of Galveston event flooding and impr	orm sever improvements coupled with atter pump station to addressing 100-year over access to major evacuation routes.	\$75,000,000	196	196 2	50 100.0	10.0	155 1.2	468	5.08	3 2.18	0	0.00	5 1.	50 0	0.00	0 0	0.0800000	0.08 No	0	O Unkno	wn	project community 0 affected	Life/injury risk percentage 4 <20%	(moderate to high 2 vulnerability)	benefits in 2 wider benefit 7 categories Project	any environmenta 4 I benefits	many minor access routes will remain flooded, and emergency services access n 0 be restricted in some areas Project will protect some major access router a	ay 4	5 22.69	32.19	91 34.	.9 66
063000313 6 B:	ledgn and Construction of Dinner Creek Stormwater Detentionatin 2018 Bond project C-381	Basin (U520-01-00-E003	n of Dinner Creek Stormwater Detention). Project would expand the existing sate conditions and incorporate both b. Detention Pon	d \$33.081.000	306	42 1.	86 13.7	1.4	43 0.9	5 0	0.00	0 0.00	0	0.00	1 0.	57 0	0.00	0 0	00 0.0400000	0.04 No	0	O Unkno	wn	<25% of project community 4 affected	Life/Injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits Project will	in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access m 0 be restricted in some areas.	d ay 4 7.	75 4.85	12.50	499 12	60 481
C	ddicks Reservoir - Right-Of-Way Acquisition, Design and onstruction of Channel Conveyance Improvements, Bypass hannel, and Detention for South Mayde Creek	Part of the South Mayd Harris County Flood Control District more than 340 acres in	e Creek Plan that could reduce the risk of 70 homes and reduce the rainfall event by a pre-Atlas 1% rainfall event.	e \$27,818,000	1015	264 2	53 26.0	2.6	238 1.3	1225	5.80	2 173	0	0.00	0 0.	00 1.029999971	0.48	0 0	00 0.7300000	0.73 No	0	2 Unkno	win.	<25% of project community 6 affected	Life/Injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	deliver a moderate level of environmenta I benefits (2-3 0 categories)	Project will protect some major access rou in floodplain and the majority (>50%) of emergency service access. Some major an many minor access routes will remain flooded, and emergency services access m 6 be restricted in some areas	tes 1 ay 4	16.37	26.37	210 24	.37 249

Draft deliverative prepared for 2024 i

FMP ID N	Region	FMP Name	Sponsor	FMP Description	FMPType Estimated Cost	d Project Struc est Risi	Removed Structures Raw	ArcSinh (Weighted) Removed Structures	Percent of structures removed (Calculated) Weighted, Percent of structures removed (0 10)	Removed Res Structures Removed Raw ArcSinh (Weighted Res Structures Removed	Removed Pop Raw Removed Population Removed	ArcSinh (Weighted) (aw Removed Cri facilities) Removed rit LWC Raw	ArcSinh (Weighted) Removed LWC	emoved ad Miles Raw Road Mile	Ag Removed (We Ag R	rcSinh Highted) Hased Raw	% NBS, Normalized BCA R (0-10)	BCA Score	Water Supply Raw Score	y FMP Type Pre-Project Score Ave Depth	Score 1 Comm	unity Score 2	Life and Safety Score	Social Vulnerability	Score 8 Multiple Benefit	Score 10 Environment al Benefit Score 13	Mobility Score 15	Project Details Weighted Score		ArcSinh ormalization of norn	Rank (with ArcSinh rmalization of elect criteria)	RFI (OLD) tal Score Rank
063000319	Design ai	and Construction of the 8509-03-00 and 8509-04-00 ater 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 8599-03-00 and 8509-04-00.	Detention Pond \$34,	4,850,000	1387	15 1.43	1.1 0	1 13 0	9 114 4.03	0 00	00 0	0.00	1 0.	57 0	0.00	0 0.00 0.010	0000 0.01 8	No (Unknown 0 0	<25% o project commi 6 affecte	nity	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	Project will deliver a moderate level of environmenta I benefits [2-3 O categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be retarticed in some areas	4 10	6.86	16.86	433	15.86 437
063000320	6 Warren L	Lake and Dam Retrofit	Coastal Prairie Conservancy	Retrofit dam to improve detention of flood & storm water runoff, new 1373 as wetlands complex added of storage capacity & conversion of fields to tallgrass prairies to add approximately 856 act of totals storage during rainfall events.	5	6.439.000	47	47 1.90	100.0 10	0 47 0:	17 94 3.89	0 00	00 0	0.00	0 0.	00 0	0.00 10	0 10.00 4.44	19998 4.45 M	do (0 2 Unknown	<25% o project commt 4 affecte	nity	Life/injury risk percentage 1 <20%	SVI between Q.5-Q.75 (moderate to high 2 yulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a high level of environmenta I benefits (4+ 2 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 10b per	4 11.75	32.89	44.54	14	44.64 13
063000321	Right-Of- Improver Conveya 6 99)	F-Way, Design and Construction of Conveyance ments along Armand Bayou B500 04-00-E004 and Channace Improvements along B115-00-00 (2018 Bond Project	inel ict F- Harris County Flood Control District	The proposed project includes the expansion and extension of existing detention basins to alleviate historical and potential future revience fooding within the Armand Bayou Waterhed.	Detention Pond \$9,	9,450,000	6363 2:	30 2.57	3.6 0	4 163 1.	3 1110 5.73	0 00	00 0	0.00	1 0.	57 0.340000004	0.18	0 0.00 0.810	10000 0.81	100	0 0 Unknown	>75% o project commu affecte 2 popula	(by	Life/injury risk percentage 10 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 benefits	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 0 be restricted in some areas:	4 12.5	12.66	25.16	235	26.16 212
052000227	6 Blylork 8	Road Drainage Improvement Project	Piney Point Village	The proposed drainage improvements project will replace an undersized drainage system on Blalock Road, it into drainage improvements on South Princy Polit Road, and provide improvements on a drainage area that frequently experiences drainage issues.	Infrastructure \$19,	9 224 000	364	E4 1 0C	14.9	5 45 00	MC 409 5.12			0.00	1 0	57	0.00	0 000 000	0000		Q Uakasus	>75% o project commu affecte 6 popula		Life/injury risk percentage L0 <20%	SVI between 0.25-0.5 (low to moderate	Project does not deliver any wider 4 benefits	Project does not provide any environmenta O I benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and makey minor access routes will remain flooded, and emergency services access may be restricted in some areas.	4 12	10.12	72.17	294	21.12 222
0.000017			Harris County Flood	The proposed project includes widening sections of the Keegans			300			J 40 0.	100	0 00		0.00				3 230	550		O O O O O O O O O O O O O O O O O O O	<25% o project commi	nity	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project does not deliver any wider	Project does not provide any environmenta	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		10.12	23.12		J. 1
063000328	6 Bravs Bai	- Keesans Bavou (10118-00-00) Flood Risk Reduction	n Control District	Bavou main channel and a 1.600 acre-feet detention basin. 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 along two segments of Goose Creek for a total length of 1.65 miles. Phase 2 includes a regional detention basin and channel.		0.218.000	3717 201	09 3.48	54.0 S	4 1785 1.	4 16486 7.73	29 4.8	87 0	0.00	150 3.	71 0	0.00	0 0.00 0.940	0.94 8	io (0 2 Unknown	4 affecte	nity	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	7 benefits Project does not deliver	Project does not provide any environmenta	O be restricted in some areas Project will protect some major access routes in ficodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may	4 9	29.28	38.28	37	38.28 35
063000334	6 Goose Cr	reek Flood Risk Reduction	Control District	Improvements The project includes a 1,640 acre-feet regional detention basin, 85 acres of floodplain preservation, & habitat preservation in	Comprehensive \$46,	6,494,000	980 24	9 2.63	27.4 2	7 220 1.	00 1283 5.83	9 3.4	47 0	0.00	28 2.	0	0.00	0 0.00 0.48	0.48	(0 2 Unknown	4 affecte		percentage 1 <20% Life/injury risk percentage	SVI between 0.25-0.5 (low	any wider 7 benefits Project delivers beenfits in 1 or more wider benefit	Project will deliver a moderate level of environmenta i benefits [2-3	De restricted in some areas 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	4 9	19.79	28.79	166	28.79 150
063000339		Creek Watershed Plan - M120 Detention/Preservation Sil	ite Control District	Willow Creek.	Detention Pond \$64,	4,900,000	916 1:	27 2.32	13.9 1	4 99 1.	3 548 5.20	0 0.0	00 0	0.00	2 0.	94 0	0.00	0 0.00 0.684	0.68 0	io (0 0 Unknown	4 affecte		1 >30% Life/injury risk	6 vulnerability) SVI between 0.25-0.5 (low	4 categories Project does not deliver any wider	1 categories) Project does not provide any	6 be restricted in some areas 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	4 11.25	12.67	23.92	269	24.92 236
063000344	6 Stormwa	uk Bayou - Design and Construction of Woodland Trails atter Detention Basin	Harris County Flood Control District	This project includes a atomiwater detention basin that compliments the federal project on White Clak Bayou. Program implementation plan for the design and construction of 22 regional detention basin (12,800 a.o.fl) in the Cypress Creek Wasterhed KLOOOOO) based on the Cypress Creek Wasterhed KLOOOOOO based on the Cypress Creek Wasterhed KLOOOOOO based on the Cypress Creek Wasterhed KLOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOOO	Detention Pond \$42,	2,600,000	5661 70	02 3.04	12.4 1	2 629 1.	2 3011 6.47	2 1.7	73 0	0.00	19 2.	36 0	0.00	0 0.00 1.890	1.89 M	100	0 0 Unknown	commu 4 affecte		percentage 1 >40% Life/injury risk	to moderate 8 vulnerability) SVI between 0.25-0.5 (low	4 benefits Project does	environmenta O I benefits Project will deliver a moderate level of environmenta	flooded, and emergency services access may De restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4 10.5	21.08	31.58	103	32.58 83
063000357	Cypress 6 Detentio	Creek Program Implementation Plan, 23 Stornwater on Basin Plan (includes 2018 Bond Projects Cl-36 and Cl-2	Harris County Flood (20) Control District	and Major Tributaries Regional Drainage Plan Updatel(February 2020). Improvements to the Kingwood Diversion Ditch include channel modifications, flow diversion from Bens Branch, bridge	Detention Pond \$550,	0,000,000	16233 28:	14 3.62	17.3 1	7 2664 1.	3 9880 7.35	18 4.3	30 0	0.00	27 2.	59 0	0.00	0 0.00 0.284	0000 0.28	60 (Unknown 0 0	commus 8 affecte	i i	percentage 4 > 30%	to moderate 6 vulnerability)	not deliver any wider 4 benefits Project does not deliver	l benefits (2-3 0 categories) Project does not provide	flooded, and emergency services access may 6 be restricted in some areas 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	4 14.5	22.13	36.63	48	34.13 67
063000360	6 Kingwoo	od Diversion Ditch (G103-38-00)	Harris County Flood Control District	replacements, as well as a new outfall to the West Fork San Jacinto River. The emposed employ locked school improvement publics or		2,938,000	79 4	49 1.92	62.0 6	2 32 0.	9 3244 6.52	10 3.5	59 0	0.00	25 2.	54 0	0.00	0 0.00 0.030	0.03 8	10	0 2 Unknown	4 affecte		percentage 1 >30%	0.01-0.25 (low 6 vulnerability) SVI between	any wider 1 benefits Project does	environmenta 0 benefits Project does not provide	flooded, and emergency services access may O be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access. Some major and	4 8	21.74	29.74	144	30.74 112
063000389	Design at 6 detentio	and Construction of E116 tributary modifications and on (2018 Bond project 2-02)	Harris County Flood Control District	culient, ditation removal, local drainage improvements, and a stormwater detention basin within White Oak Bayou Tributary E116-00-00.	Comprehensive \$8,	8,375,000	14652	24 1.62	0.2 0	.0 15 0.	0 0.00	1 10	06 0	0.00	0 0.	00 0	0.00	0 0.00 1.470	1.47 b	io (O 2 Unknown	comma affecte 4 popula	nity I (by sion) 2	Life/injury risk percentage 10 >20%	0.25-0.5 (low to moderate 4 vulnerability)	not deliver any wider 4 benefits	any environmenta 0 benefits Project will deliver a	many minor acces routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 13	7.10	20.10	348	20.10 339
063000396	P518-11- 6 41)	-E002 (P118-21 Phase II Detention) (2018 Bond Project C-	- 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,	0,371,000	3412 1:	29 2.33	3.8 0	4 84 1 ₂	9 423 5.01	0 00	00 0	0.00	0 0.	00 0	0.00	0 0.00 0.244	0000 0.24 8	do (Unknown 0 2	<25% o project comm 4 affecte	nity	Life/injury risk percentage 1 >30%	SVI between 0.75-1.00 (high 6 vulnerability)	Project does not deliver any wider 10 benefits	moderate level of environmenta i benefits (2-3 0 categories) Project will deliver a	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas Project will protect some major access routes	4 14	9.41	23.41	282	25.91 220
063000397	Halls Bay 6 Conveya	you - Right-Of-Way, Design, and Construction of Channel ance Improvements on P118-23-00 and P118-23-02	el Harris County Flood Control District	This project provides for the design and construction of flood mitigation improvements including detention basins along P118-23-02. (2018 Bond Project C-26 & C-27)		1,317,000	289 21	86 2.66	99.0 9	9 242 1:	2 1109 5.72	0 0.0	00 0	0.00	23 2.	49 0	0.00	0 0.00 0.48.	0000 0.48 M	No (0 2 Varies	S0%-75 project commu 4 affecte	nity	Life/injury risk percentage 7 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project does not deliver any wider 7 benefits	moderate level of environmenta I benefits (2-3 O categories)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas	4 13.5	23.29	36.79	44	32.79 81
063000399	Halls Bay 6 Conveya	you - Right-Of-Way, Design, and Construction of Channel ance Improvements on P118-25-00 & P118-25-01	el Harris County Flood Control District	This project provides analysis and preliminary design (Alternative Bb) for detention basin, widening of existing channels, and extension of channel P118-25-01 (Halls Bayou Tributary).	c Comprehensive \$14,	4,939,000	13531 99	52 3.16	7.0 0	7 625 1:	2 3088 6.49	3 2.1	18 0	0.00	5 1.	50 0	0.00	0 0.00 0.951	00000 0.96 M	io (0 2 Varies	25%-50 project comm. 2 affecte	nity	Life/injury risk percentage 4 >20%	SVI between 0.75-1.00 (high 4 vulnerability)	Project does not deliver any wider 10 benefits	deliver a moderate level of environmenta I benefits [2-3 0 categories]	Project will protect some major access routes in floodplain and the majority (2000) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 13.5	17.95	31.45	108	34.95 61
063000400	Halls Bay 6 Conveya	you - Right-Of-Way, Design, and Construction of Channel ance Improvements on P118-27-00	el Harris County Flood Control District	This project provides analysis and description of the existing flooding conditions within the P18-7-00 catchment area and consequently develops flood risk mitigation alternatives, including detention basis and channel improvements.	Comprehensive \$23,	3,680,000	326 3:	25 2.71	99.7 10	0 276 1.	5 1811 6.09	S 2.7	77 0	0.00	26 2.	57 0	0.00	0 0.00 2.180	00001 2.18 8	100 (0 2 Varies	<25% o project comm 4 affecte	nity	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project does not deliver any wider 7 benefits	deliver a moderate fevel of environmenta il benefits (2-3 0 categories)	Project will protect some major access routes in floodplain and the majority (2004) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas	4 10.5	30.91	41.41	21	42.41 17
063000402	Design ai 6 modifica	and Construction of Carpenters Bayou mainstem channel ations and detention (2018 Bond project F-124)		The proposed project includes the design and construction of approximately two miles of channel improvements along N100 400, on Channel improvements to a lort signment of N100 400, on a detention basin to misigate downstream impacts.	d	0,360,000	2569 3:	79 2.78	14.8 1	5 344 1.	9 3664 6.61	8 3.3	33 0	0.00	14 2.	17 0	0.00	0 0.00 0.466	00000 0.46 b	do (0 2 Unknown	<25% o project comm. 2 affecte	nity	Life/injury risk percentage 1 >20%	SVI between 0.5-0.75 (moderate to high 4 vulnerability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 l benefits	Project will protect some major access routes in floodplain and the majorly (-50%) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 9	18.90	27.90	183	28.90 146
063000417	6 Houston	n Fifth Area Flood Mitigation	Houston	This unfunded CDBG-MIT application involves installing various storm sever infrastructure in the Fifth Ward and Market Square areas within the City of Houston.	Infrastructure \$89,	9,754,000	2162 130	06 3.30	60.4 6	0 1202 1	6 4125 6.70	16 4.1	16 0	0.00	16 2.	25 0.01	0.01	0 0.00 1.870	1.87 M	10 (0 0 Unknown	<25% o project comma 2 affecte	nity	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project does not deliver any wider 10 benefits	Project will deliver a low level of environmenta I benefits (I category) Project will	Project will protect some major access routes in floodplain and the majority ("SOM) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas. Project will protect some major access routes	4 10.25	28.79	39.04	33	38.03 37
063000418	6 Houston	i Port Area Flood Mitigation	Houston	The project includes storm sewer improvements on nearly every street in the Pleasantville neighborhood to improve conveyance caeacity and construction of a detention basin.	Infrastructure S99.	9.022.000	765 S:	38 2.93	70.3 7	0 514 1.	1912 6.13	0 0.0	00 0	0.00	2 0.	94 0.25	0.13	0 0.00 0.300	0.30 6	do (O Unknown	<25% o project commu 4 affecte	nity	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 yulnerability)	Project does not deliver any wider 10 benefits	deliver a low level of environmenta I benefits (1 O category)	in floodplain and the majority (>50%) of emergency service access, come major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas:	4 11.25	19.38	30.63	125	28.63 156
063000422	6 Danubin	na Drainage Improvements	Baytown	This CDBG-MIT application involves the installation and construction of insprovements along Hull Gully, detention, and storm sewer improvements along Hunnicutt Street.	Infrastructure \$18,	8,468,000	137 1:	11 2.26	81.0 8	1 86 1.	0 304 4.76	0 00	00 0	0.00	10 1.	95 0	0.00	0 0.00 0.964	0000 0.96 b	No (0 0 Unknown	<25% o project commu 2 affecte	nity	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project does not deliver any wider 10 benefits	Project does not provide any environmenta 0 benefits	Project will protect some major access routes in floodplain and the majority (2000) of emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas Project will protect some major access routes	4 9.5	20.57	30.07	139	30.07 127
063000424	City of Fr 6 Area Blvo	riendswood - Clear Creek Inline & Offline Detention - Bay dl. Phase I	Friendswood	This project, which includes terraces, detention, and a trail network, will reduce water surface elevations on Clear Creek within the Clip of Friendewood and will make the Blackhawk Wastewater Treatment Facility more resilient.	Detention Pond S65.	5.800.000	4952 1	72 2.45	3.5 0	3 0 0.	0 0.00	2 1.7	73 0	0.00	7 1.	72 2.849999905	0.93	0 0.00 0.210	0000 0.21 b	100	0 0 Unknown	25%-50 project commu 6 affecte	nity	Life/injury risk percentage 4 <20%	SVI between 0.01-0.25 (low 2 yulnerability)	Project does not deliver any wider 1 benefits	Project does not provide any environmenta 0 l benefits Project will deliver a low	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 8.5	7.70	16.20	441	13.75 471
063000434	6 Houston	n Kashmere Gardens Area Flood Mitigation	Houston	The project includes improvements to storm sever, roadside ditch systems, culverts, sever inlets, and the construction of detention basins.	Infrastructure \$94,	4,880,000	1221 4	57 2.86	37.4 3	7 370 1.	51 1494 5.95	1 10	06 0	0.00	0 0:	000 0	0.00	0 0.00 1.090	1.09 b	100	0 0 Unknown	<25% o project commu 6 affecte	nity	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project does not deliver any wider 10 benefits	level of environmenta I benefits (1 O category) Project will	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes	4 12.25	17.74	29.99	140	28.49 162
063000453	6 Rivershir	re West - Grand Lake Creek Watershed	Conroe	This project is located in a residential neighborhood and consists of benching, floodwalls, and upsizing culvers to route and contain flow. Additionally, there are proposed bridge modifications to reduce impediments to water flow	Channel \$30.	0.000.000	690 10	00 2.22	14.5 1	4 92 1.	.1 566 5.22	1 1.0	06 0	0.00	2 0.	94 0	0.00	0 0.00 0.110	0.11	90 E	0 Unknown	50%-75 project commu 2 affecte	6 of nity	Life/injury risk percentage 7 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	deliver a low level of environmenta i benefits (1 0 catezory)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 10.25	12.28	22.53	297	23.53 266

Draft deliverative prepared for 2024 FIUP

Dust Ranked List of Flood Mitigation Projects

FMP ID Regi	on FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Cost Structu	tures at Removed Structures Raw	ArcSinh P (Weighted) s Removed to Structures (C	ercent of ructures emoved (or includated) Weighted, Percent of structures removed (0 10)	Removed Res Structures Removed Raw St	ArcSinh Weighted) Res Structures Removed	ved Pop (Weighted) Removed Population	emoved Crit (Weight Fac Raw Removed facilitie	h ad) Removed i Crit LWC Raw	ArcSinh (Weighted) Removed LWC	oved (Weighted) Removed Road Miles	Ag Removed (W/Ag F	rcSinh % Natu zighted) Based R	re- Normalized (0-10)	BCA Raw BCA Sc	core Water Sug	oply Water Supply FMP Ty Score Score	pe Pre-Project Ave Depth	Score 1 Community Need	Score 2 Life and Safety	Score 6 Social Vulnerability	Score 8 Multiple Benefit	icore 10 Environment al Benefit Score	13 Mobility	Score 15 Project Details Weighted Score	Score Based on ArcSinh ArcSinh Normalized normalization of Reported Factors	f normalization of To	re RFI (OLD) Fotal Score Rank
063000468 6	Houston Sunnyside Area Flood Mittigation	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 miligate the propose improvements.	s o ed Infrastructure	\$111,282,000	7876 141	10 3.33	17.9 1	8 1273	1.67	4760 6.81	20	4.42 0	0.00	9 1.8	3 0.03999999	0.02	0 0.00	1.2000000	1.20 No	0	0 Unknown	25%-50% of project community 6 affected	Life/injury risk percentage 4 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project does not deliver any wider 10 benefits	Project will deliver a low level of environmenta I benefits (1 0 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 13.75	22.92 36.6	7 47	35.17 58
063000469 6	Maindem 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 Pond	\$35,250,000	13748 25	92 2.67	2.1 0	2 231	1.31	1037 5.67	1	1.06 0	0.00	6 1.6	2 0	0.00	0 0.00	0.4900000	0.49 No	o	Unknown 0	25%-50% of project community 6 affected	Life/injury risk percentage 4 >20%	SVI between 0.75-1.00 (high 4 vulnerability)	Project does not deliver any wider 10 benefits	Project will deliver a moderate level of environmenta I benefits (2-3 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 15.5	13.76 29.2	6 153	29.26 141
		Harris County Flood	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.																				25%-50% of project community	Life/înjury risk percentage	SVI between 0.5-0.75 (moderate to high	Project does not deliver any wider	Project will deliver a moderate level of environmenta i benefits (2-3	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				
063000470 6	Halls Bayou Drainage Project Bond C-01	Control District	This consists extrained for during and construction of four	Comprehensive	\$22,386,000	677 67	77 3.02	100.0 10	.0 568	1.50	0 0.00	0	0.00 1	1.69	3 1.11	0	0.00	0 0.00	2.3199999	2.32 No	0	2 Unknown	4 affected	4 <20%	2 vulnerability) SVI between	7 benefits Project does	O categories) Project will deliver a moderate level of	6 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 12	23.19 35.1	. 60	36.69 44
063000471 6	Mainstem Evaluation Projects - Parker Basin (2018 Bond Project C- 41)	Harris County Flood Control District	The purps provided process and the second process of the second of the s	n Comprehensive	\$38,230,000	886 7	76 2.11	8.6 0	9 28	0.86	319 4.80	0	0.00 0	0.00	1 0.5	7 0	0.00	0 0.00	0.1800000	0.18 No	0	Unknown 2	project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high vulnerability)	not deliver any wider 10 benefits	environmenta I benefits (2-3 0 categories) Project will deli ver a moderate	many minor access routes will remain flooded, and emergency services access may be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 13	9.64 22.6	291	21.64 311
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 construction of three detention basins (226 ac-ft) along South Mayde Creek (U101-00-00).	Detention Pond	\$11.440.000	2339 5	59 2.00	2.5 0	3 59	1.02	194 4.43	0	0.00 0	0.00	0 0.00	0	0.00	0 0.00	0.1800000	0.18 No	0	Unknown 0	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	level of environmenta I benefits (2-3 0 cateaories) Project will deliver a	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas Project will protect some major access routes	4 9	8.15 17.1	j 424	17.15 414
063000473 6	Design and Construction of Utile 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 waterbreed to mitigate peak discharges expected with new development in the area.		\$2,553,000	54	5 0.97	9.3 0	9 5	0.49	0 0.00	0	0.00 0	0.00	0 0.00	0 0	0.00	0 0.00	0.0500000	0.05 No	0	Unknown 0	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low vulnerability)	Project does not deliver any wider 3 benefits	moderate level of environmenta I benefits (2-3 0 categories) Project does	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 7.5	2.51 10.0	1 543	11.01 519
063000474 6	Clear Creek Mid reach (Based on 2012 GRR) Updated Plan (2018 Bond Prolects C-03 and F-02)	Harris County Flood Control District	The proposed project includes channel improvements and inline detention from Callen Boulevand for Avariand Parkway and indiget additional offline detention basins to mitigate for impacts from additional convevance in the mainstem of Clear Creek.	th	\$295,268.000	18615 77	70 3.08	4.1 0	A 722	1.55	0 0.00	0	0.00 0	0.00	0 0.00	0	0.00	0 0.00	0.5400000	0.54 No	0	2 Unknown	<25% of project community 4 affected	Life/injury risk percentage 1 > 20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project does not deliver any wider 4 benefits	not provide any environmenta O I benefits	emergency services access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 8.5	6.39 14.8	3 466	14.89 457
063000475 6	Mainstem Evaluation Projects - Hahl Basin (2018 Bond Project C-41)	Harris County Flood Control District	This project provides for design and construction of a 311 ac ft di- bottom detention basin and 20-ft of channel improvements to P18-21-00.	Comprehensive	\$40,780,000	642	4 0.88	0.6 0	.1 4	0.45	0 0.00	0	0.00 0	0.00	0 0.00	0.01	0.01	0 0.00	0.2100000	0.21 No	0	Unknown 2	25%-50% of project community 6 affected	Life/injury risk percentage 4 >50%	SVI between 0.75-1.00 (high 10 vulnerability)	Project does not deliver any wider 10 benefits	deliver a moderate level of environmenta I benefits (2-3 0 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 18.5	1.92 20.4	2 342	20.41 333
063000476 6	Cypress Creek Watershed Major Tributaries Regional Drainage Flan Update, Alternative 1 Basins KSD0 01 and Stuebner Airline Road (2018 Bond Projects Cl-36 and Cl-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 a Cit detention basin and an expansion of an existing HCFCD detention basin along KSDO-01.00 from 531 ac ft to 9,336 ac ft of storage.		\$345,329,984	18530 148	88 3.35	8.0 0	.8 1304	1.68	7070 7.10	10	3.59 0	0.00	22 2.41	5 0	0.00	0 0.00	0.3910000	0.39 No	0	0 Unknown	<25% of project community 6 affected	Life/injury risk percentage 1 >20%	SVI between 0.01-0.25 (low 4 vulnerability)	Project does not deliver any wider 1 benefits	Project will deli ver a moderate level of environmenta I benefits (2-3 Categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 9.5	19.96 29.4	6 149	28.46 164
		Harris County Flood	Proposal of the Hardy West Detention Basin (P118-00-00-6006). Project consists of 2 basins providing 400 zero-ft of detention																				<25% of project community	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may				
063000477 6 073000006 7	P118-E006 (Hardy West) (2018 Bond Project C-41) City of Abilene Downtown Railroad Underpasses Flood Warning	Control District Abilene	volume adjacent to Hallis Bayou and separated by P118-75-00. Installation of sensors at three railroad underpass to monitor water levels.	Detention Pond Preparedness	\$32,053,000	3665 6	0 0.00	0.0 0	.0 0	0.91	0 0.00	0	0.00 0	0.00	0 0.00	0 0	0.00	0 0.00	0.3800000	0.38 No	0	0 Unknown 4 5-YR	4 affected <25% of project community 8 affected	1 <20% Life/injury risk percentage 1 >20%	2 vulnerability) SVI between 0.5-0.75 (moderate to high 4 vulnerability)	7 category Project delivers benefits in 3 wider benefit 7 categories	1 I benefits 7 Blank Project will	be restricted in some areas Project provides no change to major, minor, or emergency access routes in the project or area.	0 11.75	0.00 11.7	5 517	17.94 396 11.75 500
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	87 3	35 1.78	40.2 4	.0 24	0.83	84 3.81	0	0.00 0	0.00	0 0.00	0 0	0.00	0 0.00	0.7000000	0.70 No	o	0 2-YR	25%-50% of project community 6 affected	Life/injury risk percentage 4 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in 3 wider benefit 7 categories Project	deliver a low level of environmenta I benefits (1 7 category) Project will	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 3 the entire administrative area.	10 21	12.19 33.1	3 76	33.19 75
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	d Property Acquisition	\$550,000	5	5 0.97	100.0 10	.0 5	0.49	5 1.72	0	0.00 0	0.00	0 0.00	0 0	0.00	0 0.00	1.900000	1.90 No	o	0 Unknown	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high vulnerability)	delivers benefits in 4 or more wider benefit 7 categories Project	deliver a high level of environmenta I benefits (4+ 10 categories)	Project provides no change to major, minor, or emergency access routes in the project 10 area.	0 13	17.93 30.9	3 118	20.93 326
073000015 7	Slaton Channels	Slaton	Regrading and Widening of Existing Channels Near Slaton Football Field	Channel	\$675.000	1	0 0.00	0.0 0	.0 0	0.00	0 0.00	0	0.00 0	0.00	0 0.00	0 0	0.00	0 0.00	1.0000000	1.00 No	o	0 10-YR	<25% of project community 6 affected	Life/injury risk percentage 1 >20%	0.5-0.75 (moderate to high 4 vulnerability) SVI between	delivers benefits in 4 or more wider benefit Q categories Project	deliver a low level of environmenta I benefits (1 O category) Project will deliver a low	Project provides no change to major, minor, or emergency access routes in the project 0 area. Project will protect some major access routes in floodplain and the majority (>50%) of	0 5.5	2.50 8.0	0 563	8.00 552
073000016 7	Slaton Twin Lakes	Slaton	Raising Road Between Twin Lakes	LWC upgrade	\$1,952,000	0	0 0.00	0.0 0	.0 0	0.00	0 0.00	0	0.00 0	0.00	0 0.00	0	0.00	0 0.00	0.3000000	0.30 No	o	10 2-YR	<25% of project community 8 affected	Life/injury risk percentage 1 >20% Life/injury risk	0.5-0.75 (moderate to high 4 vulnerability) SVI between 0.25-0.5 (low	benefits in 3 wider benefit 0 categories Project delivers benefits in 3	level of environmenta I benefits (1 O category) Project will deliver a low level of environmenta	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas. Deep restricted in some areas are services access to produce the protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to EMS, services access to EMS when the services access to EMS were services access to EMS when the services access to access to EMS were services access to access to access to access to access to EMS and the services access to ac	0 6.5	0.75 7.2	5 573	7.25 562
073000017 7	4th and Eikhart	Lubbock	Install new 2'wf Sox Culvert Under Elibart Ave and Box Culvert From Plava 71 to Existing Channel, and Excavate at New Outfall	Infrastructure	\$4.756.000	0	0 0.00	0.0 0	.0 0	0.00	0 0.00	0	0.00	0.00	0 0.00	0	0.00	0 0.00	8.1000004	8.10 No	0	0 <10-YR	community 6 affected <25% of project community	percentage 1 >40% Life/injury risk percentage	to moderate 8 vulnerability) SVI between 0.01-0.25 (low	wider benefit O categories Project does not deliver any wider	Project does not provide any environmenta	stations. Allows emergency services access to 0 the entire administrative area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	0 7.5	20.25 27.3	185	27.75 179
073000018 7	Buttonwillow Creek Crossing	Abilene	Low water crossing access during rain events.	LWC upgrade	\$2,226,235	0	0 0.00	0.0 0	.0 0	0.00	0 0.00	O	0.00	0.00	0 0.00	0	0.00	0 0.00	0.1000000	0.10 No	0	10 2-YR	10 affected <25% of project	1 >50% Life/injury risk	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in 2	O I benefits Project will deliver a moderate level of environmenta	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain.	0 10.5	0.25 10.7	536	10.75 522
	Treadawav & 27th Improvements	Abilene	Proposed green detention ponds and additional culvert barrels traduce flooding of intersection of 27th St and Treadaway. Playa improvements to Playa 16546 to lower the 100-year water surface elevation by 1" to facilitate future drainage improvement	Infrastructure	\$1.828.000	8	0 0.00	0.0 0	0	0.00	0 0.00	0	0.00	0.00	0 0.00	0	0.00	28 2.80	0.1000000	0.10 No	o	0 <2-YR	6 affected 25%-50% of project community	percentage 1 <20% Life/injury risk percentage	bigh vulnerability) SVI between 0.75-1.00 (high	wider benefit Categories Project delivers benefits in only 1 wider benefit	l benefits (2-3 0 categories) Project will deliver a high level of environmenta i benefits (4+	Blooded, and emergency services access may be restricted in some areas Project provides no change to major, minor, or emergency access routes in the project	0 45	1.65 6.1	580	6.15 570
	Playa 16546 Improvements Playa 16658 Improvements	Idalou	for the City of Idalou Playa Improvements to Playa 16558 to lower the 100-year water surface elevation by 1° to a cilitate future drainage improvement for the City of Idalous.	Natural its Natural	\$1,323,166	0	0.00	0.0 0		0.00	0 0.00	0	0.00	0.00	0 0.00	2.359999895	1.28	100 10.00	0.8000000	0.70 No	0	0 100-YR	2 affected 25%-50% of project community 2 affected	4 <20% Life/injury risk percentage 4 <20%	2 vulnerability) SVI between 0.01-0.25 (low 2 vulnerability)	O category Project delivers benefits in only 1 wider benefit O category	O categories) Project will deliver a high level of environmenta I benefits (4+ O categories)	O area. Project provides no change to major, minor, or emergency access routes in the project O area.	0 4	7.59 11.5	518	11.59 501
073000022 7	Knox City Drainage Improvements	Knox County	Roadside ditch rehabilitation and improved culvert crossings under Main Street. Includes improvements to primary drainage ditch along north add of Orly limits.	Infrastructure	\$1,793,000	233	4 0.88	1.7 0	2 1	0.19	2 1.07	0	0.00 0	0.00	0 0.0	3.55000093	1.48	0 0.00	0.1000000	0.10 No	0	0 < 2·YR	25%-50% of project community 4 affected	Life/injury risk percentage 4 < 20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 0 category	Project will deliver a low level of environmenta I benefits (1 0 category)	Project will protect some major access routes in floodplain and the majority (>50%) 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 5	4.04 9.0	4 560	9.04 549
073000023 7	Clovis & Qualter - Storm Drain Alternative 4	Lubbock	Detention, channel, and storm drain improvements from Ursulin Street and Quales Avenue to US-84 and L-289	ne Infrastructure	\$8,964,000	174 3	30 1.72	17.2 1	.7 0	0.00	162 4.30	1	1.06 0	0.00	1 0.5	7 0.769999981	0.37	29 2.90	1.7000000	1.70 No	o	0 <100-YR	25%-50% of project community 2 affected	Life/injury risk percentage 4 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in 2 wider benefit 0 categories	Project will deliver a moderate level of environmenta I benefits (2-3 O categories)	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	0 4	15.44 19.4	4 362	27.71 181

Draft deliverative prepared for 2024

raft Ranked List of Flood Mitigation Projects

DRAFT

FMP ID N	Region FMP Name fumber	Sponsor	FMP Description FMP Ty	Estimated Project Cost	Structures at Risk Raw	emoved ructures Raw ArcSinh (Weighted) Removed Structures	Percent of structures removed (Calculated) Weighted Percent of structure removed (calculated)	Removed Res f Structures s Removed 0. Raw	ArcSinh (Weighted) Res Structures Removed	ArcSinh (Weighted) R Raw Removed Population	emoved Crit (W Fac Raw Rem	rcSinh (eighted) Remove noved Crit LWC Ra	ArcSinh d (Weighted w Removed LWC	Removed Road Miles Raw	ArcSinh (Weighted) Removed Road Miles	Ag Removed Raw Al	ArcSinh Weighted) g Removed	% Nature- Based Raw % NBS, Normalized (0-10)	BCA Raw BC	CA Score Water	upply Water Supp w Score	ly FMP Type Score	Pre-Project Ave Depth	core 1 Community Need Score	2 Life and Score Safety	Social Vulnerability	icore 8 Multiple Benefit	Score 10 Er	rvironment al Benefit Score	13 Mobility	Score 15 P. We	roject Score Based ArcSinh Normalized Core Reported Fact	on Total Score (with ArcSinh normalization of ors select criteria)	ArcSinh Pro	Pre RFI (OLD) Total Score Rank
			The McMillan Dam forms Buffalo Springs Lake and is currently																					25%-50% of			Project dos	Pro s no	oject does t provide						
073000024	7 McMillan Cum Rehabilitation	Lubbock County, Buffalo Springs	hydraulically inadequate to pass the TCEC regulated PMF. The dam needs to be rehabilitated to meet dam safety criteria and TCEC compiliance.	\$16,916,000	47	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00	0 0	00 0	0.00	0 0	0.00	0 0.0	0.1000000	0.10 No		0 04	17%PMF	project community 4 affected <25% of project	Life/injury risk percentage 4 >50%	SVI between 0.01-0.25 (low 10 vulnerability) SVI between 0.5-0.75 (moderate to	not deliver any wider 1 benefits Project delivers benefits in only 1 wide	en 0 l b Pre	y vironmenta enefits oject does t provide	Project provides no change to major, minor, or emergency access routes in the project 0 area. Project provides no change to major, minor,	0	9.5 (9.75	549	9.75 535
083000709	8 826 and 827 Vine Street Procerty Flooding	Bryan	Structural buvours at the identified location. Property Aco	sition \$600,000	0	2 0.60	0.0	0.0	0.00	0 0.00	0	0.00	0 0	00 0	0.00	0 0	0.00	0 0.00	1.0000000	1.00 No		0 01	Unkown	community 2 affected <25% of project	percentage 1 <20% Life/injury risk percentage	high 2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wide	en 1 lb	vironmenta enefits oject does t provide	or emergency access routes in the project 0 area. Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have	0	6.25	.10 9.35	554	9.35 544
083000712	8 Bryan Boonville and Briarcrest Bridges	Bryan	Addition of bridges, channel benching, and detention Comprehend	e \$12,313,040	29	6 1.04	20.7	21 2	0.31	26 2.94	0	0.00	0 0.	00 1	1 0.57	0.075231999	0.04	0 0.0	0.0850000	0.09 No		0 21	LO-year	community 6 affected <25% of	percentage 1 <20%	to moderate 2 vulnerability)	benefit 4 category Project delivers	Pro de mo	vironmenta enefits oject will liver a oderate el of	O restricted access in local areas. Project will protect major and minor access routes in floodplain and emergency service	7	10.25	.18 17.43	418	17.43 407
083000784	8 Bessie's & Brooskshire Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations. Channel	\$285,000,000	834	213 2.54	25.5	2.6 181	1.26	413 4.99	1	1.06	0 0.	DO 5	9 1.88	3 1214.76001	4.11	0 0.0	0.0180000	0.02 No		0 0;	2-vear	project community 8 affected <25% of project	Life/injury risk percentage 1 <20% Life/injury risk	SVI between 0.01-0.25 (low 2 yulnerability) SVI between 0.25-0.5 (low	benefits in wider bene 1 categories Project delivers benefits in	2 en I b 4 cat Pro de lev 2 en	vironmenta enefits (2-3 teapries) oject will liver a low sel of vironmenta	access to EMS, police stations, and fire stations. Allows emergency services access to 6 the entire administrative area. Project provides no change to major, minor,	10	13.5 18	.43 31.93	94	31.93 90
083000786	8 Bee Creek Channel Improvements	Fort Bend County	Channel Improvements and re-configurations at several key locations Channel Channel improvements and re-configurations at several key	\$38,771,000	19	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00	0 0	00 0	0.00	255.9859924	3.29	0 0.00	0.0000000	0.00 No		0 0 9	5-year	community 6 affected <25% of project community	percentage 1 <20% Life/injury risk percentage	to moderate 2 vulnerability) SVI between 0.25-0.5 (low to moderate	wider bene 4 categories Project delivers benefits in wider bene	4 cat Pro de lev 2 en	enefits (1 tegory) oject will liver a low sel of vironmenta enefits (1	or emergency access routes in the project 3 area. Project will protect major and minor access routes in floodplain and emergency service access to EMS. police stations, and fire	0	8.25	.29 11.54	521	11.54 504
083000797	Sie Creek Channel Improvements Coon Creek Channel Improvements	Fort Bend County Fort Bend County	locations. Channel Channel Channel Channel Channel Channel Channel Channel Channel	\$662.332.992 \$141,439,008	628	589 2.96	93.8	9.4 497	1.47	913 5.58	1	1.06	0 0	00 14	4 2.17	6478.509766	5.00	0 00	0.0100000	0.01 No		0 0:	2-vear	community 6 affected <25% of project community 6 affected	percentage 1 <20% Life/injury risk percentage	2 vulnerability) SVI between 0.5-0.75 (moderate to high 2 vulnerability)	4 categories Project delivers benefits in wider bene 7 categories	4 car Pro de lev 2 en fit I b	tegory) sject will liver a low sel of vironmenta enefits (1 tegory)	stations. Allows emergency services access to 3 the entire administrative area. Project will protect majo rad minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to 3 the entire administrative area.	10	13.25 23	60 40.89	23	40.89 23
			Channel improvements and re-configurations at several key		110	273	330	27	0.75	33 329		0.00				47/013300	4.02	0 0.0		0.00 No			. ,	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in wider bene	Pro de lev 2 en fit I b	oject will liver a low sel of vironmenta enefits (1	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may		11.75	47 2400	20	34.03
083000805	8 Cow Creek Channel Improvements 8 Cottonwood Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key	\$119.191.000	134	134 234	100.0 1	0.0 112	1.15	260 4.65	0	0.00	0 0	00 3	3 1.18	7 2138.399902 3 4578.799805	4.82	0 0.0	0.0100000	0.01 No		0 0;	2-year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	7 categories Project delivers benefits in wider bene 7 categories	Pro de lev en Et	tepory) oject will liver a low el of vironmenta enefits (1 tegory)	be restricted in some areas 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. 3 the entire administrative area.	10	11.75 13	.17 24.92	34	38.91 33
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 have capacity for this Increased flow. Channel	\$266,699,008	8 8	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0 0	00 0	0 0.00	1.369130015	0.59	0 0.00	0.0000000	0.00 No		0 0;	2-year	<25% of project community 10 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project doe not deliver any wider 4 benefits	s de lev en l b 0 cal	oject will liver a low lel of vironmenta lenefits (1 legory) oject will	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 3 the entire administrative area.	10	15.25	.59 15.84	446	15.84 438
083000811	8 Dry Creek Channel Improvements	Fort Bend County	Channel Improvements and re-configurations at several key locations. Channel	\$133,315,000	635	509 2.90	80.2	8.0 381	1.41	661 5.34	0	0.00	0 0	00 13	3 2.12	2063.899902	4.39	0 0.0	0.0460000	0.05 No		0 0:	2-year	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in wider bene 4 categories Project	2 en fit I b 4 car	liver a low el of vironmenta enefits (1 tegory) oject will liver a low el of	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	10.75 24	.30 35.05	62	35.05 60
083000814	8 Dutch John Channel Improvements	Fort Bend County	Channel Improvements and re-configurations at several key locations. Channel	\$39,101,000) 12	0 0.00	0.0	0.0 0	0.00	0 0.00	o	0.00	0 0.	00 2	2 0.94	1468.849976	4.21	0 0.00	0.0030000	0.00 No		0 0;	2-year	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	delivers benefits in wider bene 4 categories	2 en I b 4 cal	vironmenta enefits (1 legory) oject will liver a	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	10.75	.16 15.91	444	15.91 435
083000817	8 Fairchild Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	\$190,448,000	949	931 3.16	98.1	9.8 792	1.57	1289 5.84	1	1.06	0 0	00 10	0 1.95	5 2771.899902	4.55	0 0.0	0.0540000	0.05 No		0 0:	2-year	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project delivers benefits in wider bene 7 categories	2 en fit I b 4 cal	oderate el of vironmenta enefits (2-3 tegories)	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	14.5 28	.06 42.56	16	42.56 15
083000818	8 Flewellen Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations Channel	\$542,724,992	77	58 1.99	75.3	7.5 22	0.81	59 3.54	0	0.00	0 0.	00 0	0.00	0 0	0.00	0 0.0	0.0040000	0.00 No		0 0;	2-year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project delivers benefits in wider bene 1 categories	2 en fit I b	oderate el of vironmenta enefits (2-3 tegories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0	7.5 13	.89 21.39	329	21.39 315
083000820	8 Sapps Slough Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations. Channel	\$48,302,000	295	164 2.43	55.6	5.6 161	1.23	254 4.63	0	0.00	0 0	00 6	6 1.62	2 546.8460083	3.69	0 0.0	0.0460000	0.05 No		0 0:	2-year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project delivers benefits in wider bene 1 categories	de mo lev 2 en fit I b	oject will liver a oderate rel of vironmenta enefits (2-3 tegories)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas	4	9.5 15	.27 28.77	167	28.77 152
	8 Jones Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key	re \$556,012,032	829	47 1.90	5.7	0.6 45	0.96	138 4.18	4	2.51	0 0	00 0	0 0.00	0.802932978	0.39	0 0.0	0.0070000	0.01 No		0 2;	2-year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project delivers benefits in wider bene 1 categories	Pro de lev 2 en l b	oject will liver a low sel of vironmenta enefits (1 legory)	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 3 the entire administrative area.	10	11.75	.52 22.27	308	22.27 296
083000823	8 Lateral IIB-7 & IIB-9 Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations. Channel	\$62,287,000) 144	125 2.31	86.8	8.7 11	0.66	155 4.26	0	0.00	0 0	00 e	6 1.62	1663	4.28	0 0.0	0.0240000	0.02 No		0 0;	2-year	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in wider bene 4 categories	2 en fit I b 4 cal	liver a low sel of vironmenta enefits (1 tegory) oject will liver a low	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. Project will protect major and minor access	10	11.25 21	.88 33.13	78	33.13 77
083000827	8 Lower Dry Creek Channel Improvement	Fort Bend County	Channel Improvements and re-configurations. Channel	\$110,716,000	343	0 0.00	0.0	0.0	0.00	0 0.00	2	1.73	0 0	00 0	0 0.00	94.13410187	2.76	0 0.0	0.0270000	0.03 No		0 0:	2-year	<25% of project community 8 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	delivers benefits in wider bene 1 categories	2 en fit I b 4 cal	el of vironmenta enefits (1 tegory) oject will liver a	routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10	12.75	.56 17.31	420	17.31 410
083000828	8 Seabourne Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations. Channel	\$104,974,000	577	573 2.95	99.3	9.9 472	1.46	1212 5.79	4	2.51	0 0.	00 13	3 2.12	2 2270.399902	4.44	0 0.0	0.0520000	0.05 No		0 0;	2-year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project delivers benefits in wider bene 7 categories	2 en fit I b 4 cal	oderate el of vironmenta enefits (2-3 tegories) sject will	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 6 restricted access in local areas.	7	14 25	.34 43.34	15	43.34 14
083000829	8 Turkey Creek Channel Improvements	Fort Bend County	Channel Improvements and re-configurations at several key locations Channel Channel	\$86,161,000	39	22 1.59	56.4	5.6 10	0.64	29 3.02	o	0.00	0 0.	00 1	1 0.57	7 3393.379883	4.66	0 0.00	0.0040000	0.00 No		0 0 !	5-year	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 yulnerability)	delivers benefits in wider bene 4 categories	2 en fit I b 4 cal	liver a low lel of vironmenta enefits (1 legory)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	o	6.25 16	.12 22.37	306	22.37 294
083000834	8 Ovster Creek Channel Improvements	Fort Bend County	Channel Improvements and re-configurations at several key locations. Channel	\$315.176.000	385	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0 0	00 31	1 2.68	3 4.236499786	1.14	0 0.01	0.0000000	0.00 No		0 0;	2-vear	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project delivers benefits in wider bene 1 categories	2 en fit I b	liver a oderate el of vironmenta enefits (2-3 texories) oject will	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 6 restricted access in local areas.	7	10 3	.82 13.82	480	13.82 468
083000838	8 Lower Oyster Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations. Channel	\$125,690,000	60	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00	0 0	00 2	2 0.94	2.472800016	0.86	0 0.0	0.0000000	0.00 No		0 0:	2-year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project delivers benefits in wider bene 1 categories	2 en fit I b 4 cal	liver a low sel of vironmenta enefits (1 tegory)	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 3 restricted access in local areas.	7	10.25	.80 12.05	512	12.05 494
083000841	8 Red Gully Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations. Channel	\$46.719.000	579	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0 0	00 7	7 1.72	85.07389832	2.71	0 0.0	0.0560000	0.06 No		0 0:	2-vear	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in wider bene 4 categories	2 en fit I b 4 cal	liver a oderate sel of vironmenta enefits (2-3 teapries)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4	10 4	.57 14.57	470	14.57 463
083000843	8 Bullhead Bayou Channels and Detention	Fort Bend County	Channel improvements and re-configurations at several key locations. Channel	\$62,498,000	56	44 1.83	78.6	7.9 24	0.83	396 4.96		0.00	0 0.	00 5	5 1.50	0 636.7719727	3.77	0 0.0	0.0080000	0.01 No		o ol:	2-year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate vulnerability)	Project delivers benefits in wider bene 4 categories	de mo lev 2 en fit I b	oject will liver a oderate sel of vironmenta enefits (2-3 tegories)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4	11 20	.81 31.81	98	31.81 95
			Channel improvements and re-configurations at several key locations, addition of in-line detention. Channel	\$15,612,000	160	0	0.0	00	000	0 000		000			3	3 7 (3)(100077	0.77	0 00	0.000000	0.00		0 0	Zupar	<25% of project community	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in wider bene 7 categories	Pro no 2 an fit en	oject does t provide y vironmenta enefits	Project will protect some major access route in floodplain and the majority (>59%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.		10	95 1100	E42	11.95

Draft deliverative prepared for 2024

Draft Randed List of Flood Milliation Projects

FMP ID Region FMP Name Number	Sponsor	FMP Description	FMP Type	Estimated Project	t Structures at Risk Raw	Removed	ArcSinh Pei (Weighted) str	cent of Veighter Percent of structures moved removed	Removed Res Structures	ArcSinh (Weighted)	ArcSinh emoved Pop (Weighter	d) Removed Cr	ArcSinh it (Weighted)	ArcS Removed (Weigi	inh Removes	ArcSinh (Weighted) Removed Road Miles	Ag Removed (M	ArcSinh reighted) % Na Removed Based	% NBS, Normalized (0-10)	BCA Raw B	9CA Score Water	Supply Water Suppl aw Score	r FMP Type Pro	re-Project Cor	ore 1 Community !	icore 2 Life and Safety	Score 6 Social	Score 8 Multiple Benefit	Score 10 Environment So	ore 13 Mobility	Score 15 Project Details Weighter Score	Score Based on ArcSinh ArcSinh Normalized normalized	h ArcSinh	Pre RFI (OLD)	ve RFI (OLD)
Number	7-111			Cost	Risk Raw	Raw	Arcsinn Pe (Weighted) str Removed re Structures (Cal	cent of actures noved culated) Percent of structure removed 10)	Structures Removed Raw	(Weighted) Res Structures Removed	moved Pop (Weighter Raw Removed Populatio	d Fac Raw	it (Weighted) Removed Crit facilities	Removed (Weigl LWC Raw LW	rved Raw	Removed Road Miles	Raw Ag	Removed Bases	(0-10)		Ra	aw Score	Score A	we Depth	Need	Safety	Vulnerability	Project delivers benefits in 2	Score 10 al Benefit So Project will deliver a low level of	Project will protect all major access routes in	Weighter Score	Reported Factors select cri	ion of normalization of select criteria)	of Total Score	Rank
083000853 8 Long Point Creek Channel Improvements	Fort Bend County	Channel improvements and re-configurations at several key locations.	Channel	\$8,760,00	39	4	0.88	10.3	LO 4	0.45	14 2	1.48	0 0.00	0	0.00	1 0.57	4.476960182	1.16	0 0.00	0.0000000	0.00 No		0 2-γι	year	project community 6 affected	Life/injury risk percentage 1 <20%	0.25-0.5 (low to moderate 2 vulnerability)	wider benefit 4 categories	environmenta I benefits (1 4 category) Project will deliver a low	floodplain and all emergency service access. Minor access routes are still flooded or have 3 restricted access in local areas.	7 11.3	5 6.56	18.31 40	01 18.31	391
083000855 8 Rabbs Bayou Detention	Fort Bend County	Proposal of regional detention basin.	Detention Pond	\$8,699,00	00 276	0	0.00	0.0	0.0	0.00		0.00	0 0.00	0	0.00	1 0.57	6.218599796	1.33	0 0.00	0.0000000	0.00 No		0 10-4	year	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits Project	level of environmenta I benefits (1 O category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0 6.	5 1.91	8.16 56	62 8.16	551
083001062 8 Hazelwood Crossing	McLennan County	Construction of a bridge to allow for neighborhood access during storm events.	8 LWC upgrade	\$616,00	0 0	0	0.00	0.0	0.0	0.00	0 0	0.00	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.0040000	0.00 No		10 10-1	year	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 I benefits	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 0 the entire administrative area.	10 18.	S 0.01	18.26 40	02 18.26	394
																												Project	Project will	Project will protect some major access routes					
083001290 8 Benchine alone Gibson Branch	Lamoasas	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	\$1.132.00	00 15	6	1.04	40.0	1.0 0	0.00	17 2	1.62	0.00	0	0.00	0 0.00	0.161719993	0.08	0 0.00	0.2600000	0.26 No) 0 5-ve	ear	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	5VI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category	deliver a low level of environmenta I benefits (1 1 category)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 11	5 8.40	19.90 33	52 19.90	343
																									50%-75% of project	Life/injury risk	SVI between 0.5-0.75 (moderate to	Project delivers benefits in only 1 wider benefit	Project will deliver a moderate level of environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain					
083001291 8 Cemetery Creek Improvements	Lampasas	Channel and crossing improvements along Cemetary Creek - tributary to Sulphur Creek.	Channel	\$13,305,00	00 630	35	1.78	5.6	303	1.37	4101 6	5.70	5 2.77	0	0.00	1 0.57	0.971346021	0.45	0 0.00	0.0800000	0.08 No		0 10-1	year	community 2 affected	percentage 7 <20%	(moderate to high 2 vulnerability)	benefit 7 category Project delivers	environmenta I benefits (2-3 1 categories) Project does not provide	flooded, and emergency services access may 6 be restricted in some areas Project will protect all major access routes in	4 12.3	5 14.40	27.15 19	17 27.15	191
083001292 8 Comanche Detention	Comanche	Addition of detention and channel benching	Comprehensive	\$46,985,22	201	40	1.84	19.9	2.0 29	0.87	55 3	1.49	0 0.00	0	0.00	1 0.57	26.13993073	2.09	0 0.00	0.0160000	0.02 No		2 10-1	year	project community affected (by 6 population)	Life/injury risk percentage 10 >30%	SVI between 0.75-1.00 (high 6 vulnerability)	benefits in 2 wider benefit 10 categories	any environmenta 4 I benefits	floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas. Project will protect some major access routes	7 20	5 10.89	31.39 11	11 31.39	106
083001298 8 Prairie Wind Alternative 2	Stephenville	Includes channel excavation, creation of an additional channel, and (5)10%FRCB	LWC upgrade	\$6,182,00	00 8	8	1.16	100.0 1	1.0 8	0.59	23 2	1.85	0 0.00	1	1.69	0 0.00	0	0.00 10.60	0000038 1.06	0.6000000	0.60 No) 10 < 2/	-Year	<25% of project community 6 affected	Life/injury risk percentage 1 >30%	SVI between 0.25-0.5 (low to moderate 6 Vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta I benefits (1 1 category)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 11	5 18.32	29.82 14	.43 29.82	130
																									<25% of project	Life/injury risk	SVI between 0.25-0.5 (low	Project does not deliver	Project does not provide any	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain					
083001299 8 Lineleville Alternative 2	Stephenville	Includes (4)10'x6' RCB and uostream eradine	LWC uperade	\$2.014.00	0 0	0	0.00	0.0	0.0	0.00	0 0	0.00	0 0.00	1	1.69	0 0.00	0	0.00	0 0.00	1.1000000	1.10 No		0 10 < 2/	-Year	community 6 affected	percentage 1 >30%	to moderate 6 Vulnerability)	any wider 4 benefits	environmenta O I benefits Project does	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 10	5 4.44	14.94 46	3 14.94	454
083001300 8 County Road 256 Alternative 1	Stephenville	Includes raising the road, (7)10'x9' RCB, and grading along the river	LWC upgrade	\$4,145,00	00 4	1	0.37	25.0	2.5 1	0.19	0 0	0.00	0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.5000000	0.50 No		0 10 < 2/	-Year	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 Vulnerability)	Project does not deliver any wider 4 benefits	not provide any environmenta 0 I benefits	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 8	5 4.31	12.81 49	93 12.81	478
083001301 S Morgan Mill Alternative 1	Stephenville	Includes minor grading and (6)12°x7' RCB	LWC upgrade	\$2,661,00	00 18	13	1.37	72.2	7.2 7	0.56	20 2	£74	0 0.00	1	1.69	0 0.00	0	0.00	0 0.00	1.8000000	1.80 No) 10 2-Ye	'ear	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 Vulnerability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta O I benefits	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 9	5 18.08	27.58 18	89 27.58	184
		Includes installing a 425' span bridge with road elevation on																							<25% of project community	Life/Injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project does not deliver	Project does not provide any	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may					
083001302 8 Long St Alternative 1	Stephenville	eitherside	LWC upgrade	\$8,993,00	oo s	0	0.00	0.0	0.0	0.00	0 0	0.00	0 0.00	1	1.69	0 0.00	0	0.00	0 0.00	0.1000000	0.10 No		0 10 < 2/	-Year	6 affected <25% of project	1 ×20%	2 Vulnerability) SVI between 0.5-0.75 (moderate to	any wider 7 benefits Project delivers benefits in only 1 wider	0 I benefits Project does not provide any	be restricted in some areas Project will protect all major access routes in floodplain and all emergency service access.	4 1	0 1.94	11.94 51	4 11.94	497
083001303 8 Weaver Creek and Main Street Culvert Improvements	Eastland	Detention pond, channel improvements, and culvert improvements.	Comprehensive	\$6,848,01	16 282	2	0.60	0.7	0.1 0	0.00	11 2	1.30	0 0.00	Ó	0.00	1 0.57	o	0.00	0 0.00	0.1000000	0.10 No		2 2-Ye	ear	community 0 affected <25% of	percentage 1 <20%	high 0 vulnerability) SVI between 0.5-0.75	Project delivers benefits in	environmenta 1 l benefits Project does not provide	Minor access routes are still flooded or have 0 restricted access in local areas.	7 7.3	5 3.80	11.55 53	11.55	503
083001304 8 Tributary 3 and UPPR Culvert Improvements	Eastland	Culvert improvements; upstream and downstream channel improvements.	Comprehensive	\$2,912,39	38 229	55	1.97	24.0	2.4 48	0.97	192 4	1.42	0 0.00	0	0.00	1 0.57	0.200000003	0.10	0 0.00	0.3000000	0.30 No		2 10-1	Year	project community 0 affected	Life/injury risk percentage 1 <20%	(moderate to high 0 vulnerability)	only 1 wider benefit 7 category	any environmenta 1 l benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 43	5 11.19	15.44 48	56 15.44	449
083001305 8 Lake Eastland CIP 3.5	Eastland	Reconstruction of primary Lake Eastland spillway.	Comprehensive	\$15,700,00	00 277	7	1.11	2.5	13 1	0.19	19 2	1.70	0 0.00	0	0.00	1 0.57	1.200000048	0.54	0 0.00	0.2000000	0.20 No		2 10-1	Year	<25% of project community 0 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	Project does not provide any environmenta 4 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	5 5.86	10.86 53	34 10.86	521
083001306 8 Mallard Lane	Taylor	Proposed storm drainage system located along Summit Circle, Kingston Circle, Maliard Lane, and Greenlawn Drive. Approximately 2,000 lines!	Storm Drain	\$1,620,00	00 35	2	0.60	5.7	2.6 2	0.31	6 1	1.85	0 0.00	o	0.00	0 0.00	o	0.00	0 0.00	0.0000000	0.00 No		0 < 2/	-Year	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project does not deliver any wider 3 benefits	Project does not provide any environmenta 0 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	o	3 3.34	6.34 57	.76 6.34	563
083001307 8 TH Johnson	Today	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	f	6470.00						0.00											0.0010-			W	<25% of project community 2 affected	Life/injury risk percentage	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	Project will deliver a low level of environmenta I benefits (1	Project provides no change to major, minor, or emergency access routes in the project					-
Subsection of the Control of the Con	18,00	Crystal Circle Proposed storm sewer along Davis Street from 8th Street to 2nd Street that discharges to the existing outfall in the railroad	Came	,465,00	30		0.00	0.0		0.00			0 000		5.00	0.00		0.00	0 033	0.0000000	0.00			-1641	<25% of	Life finiture rick	SVI between	Project does	O category) Project does not provide	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and manufact access router will remain	0 3.		313	3.23	37.4
083001308 8 Davis St	Taylor	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	\$4,270.00	23	13	1.37	56.5	5.7 9	0.62	67 3	8.64	0.00	0	0.00	0 0.00	o	0.00	0 0.00	0.1000000	0.10 No		0 < 2/	-Year	community 2 affected	percentage 1 <20%	to moderate 2 vulnerability)	any wider 4 benefits	environmenta 0 I benefits Project does	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 6	5 11.52	18.02 40	18.02	395
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	\$903,00	00 9	1	0.37	11.1	L1 1	0.19	3 1	1.35	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.0000000	0.00 No		0 < 2/	-Year	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	not provide any environmenta 0 l benefits	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 6	5 3.02	9.52 55	51 9.52	541
		Proposed storm sewer along Annie Street, Howard Street, and 7t Street that discharges to a new outfall in the railroad drainage ditch to the south of 2nd street. Approximately 4,000 linear ft of																							<25% of project community	Life/Injury risk percentage	SVI between 0.25-0.5 (low to moderate	Project does not deliver any wider	Project does not provide any environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may					
083001310 8 Annie St	Taylor	NLP.	Storm Drain	\$2,626,00	14	8	1.16	57.1	8.7	0.59	24 2	1.88	0.00	0	0.00	0.00	o	0.00	0 0.00	0.3000000	0.30 No		0 < 2	-Year	2 affected	1 <20%	2 vulnerability)	4 benefits	0 benefits	0 be restricted in some areas	4 6	5 11.10	17.60 41	15 17.60	403
082001311 8 Gas 1-111-111-111-111-111-111-111-111-111-	Gates	Supply contraction of the	Comprehen					100.0	10		120	112			0.00			3.54		1 20000-	4 700			Year	<25% of project community	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta I benefits (1	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have a restricted access in local programmer.			25 50	50	
083001311 8 Sun Valley Neighbothood Levee	Gatesville	Buyouts, construction of levee, and storm sewer.	Comprehensive	\$1,594,29	43	43	1.87	200.0 1	43	0.95	129 4	.13	0.00	0	3.00	0.00	70	2.61	U 0.00	1.3800000	1.38 No		2 10-1	TEST	6 affected <25% of project community	1 <20% Life/injury risk	2 vulnerability) SVI between 0.5-0.75 (moderate to high	7 category Project delivers benefits in only 1 wider	1 category) Project does not provide any	3 restricted access in local areas. Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire	7 12	23.00	55.50 5	35.50	57
083001312 8 Straws Mill Road LWC	Gatesville	Includes raisine the road and adding culverts at crossing.	LWC uperade	\$1.021.71	0	0	0.00	0.0	0.0	0.00	0 0	0.00	0.00	1	1.69	0 0.00	0	0.00	0 0.00	1.8099999	1.81 No		0 10 2-Ye	ear	s affected <25% of project	percentage 1 >50%	10 vulnerability) 5// between 0.5-0.75 (moderate to	Project does not deliver	environmenta 1 libenefits Project does not provide any	stations. Allows emergency services access to 0 the entire administrative area.	10 18.2	5 6.21	24.46 29	155 24.46	248
083001313 8 Leon WWTP Parapet Wall	Gatesville	Construction of ring parapet.	Comprehensive	\$642,00	00 0	3	0.76	0.0	2.0 0	0.00	9 2	1.15	1 1.06	0	0.00	0 0.00	0	0.00	0 0.00	0.0000000	0.00 No) 2 Unk	known	o affected	percentage 0 <20%	high 0 vulnerability)	not deliver any wider 7 benefits Project delivers benefits in only 1 wider	environmenta O I benefits Project does not provide	0 -	0 3	5 3.97	7.47 51	12 7.47	561
083003314 8 Arrowood Lane Culvert	Gatesville	Construction of arch culvert and channel improvements.	LWC upgrade	\$776.00	00 0	0	0.00	0.0	0.0	0.00	0 0	0.00	0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.0000000	0.00 No		0 10 Unk	known	community 0 affected	Life/injury risk percentage 0 <20%	SVI between 0.5-0.75 (moderate to high 0 vulnerability) SVI between	penents in only 1 wider benefit 7 category Project delivers	any environmenta 1 libenefits Project does	0 -	0 3.3	5 0.00	3.75 60	25 3.75	598
083001315 8 SH 36 Culverts	Gatesville	Construction of 2 additional culverts at crossing.	LWC upgrade	\$328,00	00 0	1	0.37	0.0	1.0 1	0.19	3 1	1.35	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.0000000	0.00 No		10 Unk	known	<25% of project community 0 affected	Life/injury risk percentage 0 <20%	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	benefits in only 1 wider benefit 7 category Project	not provide any environmenta 1 I benefits	0.	0 3.1	5 1.91	5.66 58	82 5.66	573
083001316 8 FM 929 Culverts	Gatesville	Construction of culvert and channel improvements.	LWC uperade	\$1.535.00	20 0	14	1.40	0.0	10 14	0.71	42 3	1.29	0 0.00	0	0.00	0 0.00		0.00	0 0.00	0.000000	0.00 No		10 Uok	known	<25% of project community 0 affected	Life/injury risk percentage 0 <20%	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 i benefits	0 -	0 2:	s 5.40	7.65	67 7.65	555
																									<25% of project	Life/injury risk	SVI between 0.5-0.75 (moderate to	Project delivers benefits in 2	Project will deliver a low level of environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain					
093000005 9 Avenue P Detention	Tom Green County	Construct additional 8 x 8 box culverts downstream of Bryant Blv continuing along Avenue P downstream to Chadbourne St	Other	\$2,388,00	00 29	1	0.37	3.4	1.3 1	0.19	16 2	1.58	0.00	0	0.00	0.00	16.11878395	1.83	25 2.50	0.1000000	0.10 No		0 Unk	known	community 6 affected	percentage 1 >50%	high 10 vulnerability)	wider benefit 7 categories	l benefits (1 4 category)	flooded, and emergency services access may 3 be restricted in some areas	4 15.7	5 6.81	22.56 25	34 22.56	286

Draft Ranked List of Flood Mitigation Projects

FMP ID Region Number	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project S	Structures at Res	emoved ructures Raw Stru	cSinh Percer ighted) struct moved remo	nt of Weighted, Percent of structures removed (0-	Removed Res Structures Removed Raw	ArcSinh Veighted) Res tructures temoved	ArcSinh ved Pop (Weighted) aw Removed Population	Removed Crit Fac Raw R	ArcSinh (Weighted) R Removed Crit L	ArcSi (Weigh WC Raw Remor	Removed Road Miles Raw	ArcSinh (Weighted) Removed Road Miles	Ag Removed Raw Ag I	rcSinh % N eighted) Base	ature- d Raw (0-10)	d BCA Raw	BCA Score Wi	ater Supply Water Supp Raw Score	oly FMP Type Pr Score Av	re-Project live Depth	ore 1 Community So	ore 2 Life and Safety S	icore 6 Social Vulnerability	Score 8 Multiple Benefit	Score 10 Environment all Benefit Sco	re 13 Mobility	Score 15 Projec Details Weights Score	ed Normalized nor	al Score (with Rank (v ArcSinh ArcSi malization of normalization of select criteria)	ation of Total Score) Pre RFI (OLD) e Rank
			The project consists of elevating the outlet elevation from approximately 2843 to 2847 by constructing a berne embankmen approximately 600 feet in length. The project also includes one [1] 6′ x 4′ RCB. Outlet pipe. The outlet will extend approximately	it			3.0	Carca	10)	8	temoved	ropeanin					NOSO MILES									<25% of project community	Life/injury risk percentage	SVI between 0.25-0.5 (low to moderate	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta I benefits (1	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	200		Total Santa		
093000007 9	Playa Mil4F	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 3498 backage Road crossings for proposed to be		\$1,540,000	0	0	0.00	0.0 0.0	o o	0.00	0 0.0	0	0.00	0	0.00	0 0.00	0	0.00	8 0.	80 4.8000002	4.80 No		0 0 50-y	yearLOS	2 affected <25% of project community	1 >50% Life/injury risk percentage	10 vulnerability) SVI between 0.25-0.5 (low to moderate	Project delivers benefits in only 1 wider benefit	1 category) Project will deliver a low level of environmenta I benefits (1	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4 1	.1.5 12.40	23.90	271 12.40	0 484
093000008 9	Jal Draw, Proj. A	Midland	Sisteen* The proposed channel has a 250 foot top width for the entire length of the reach. There is one proposed crossing at the future actesion of Mockinghier late. Pits rossing is proposed to be extension of Mockinghier late.	Channel	\$11,481,000	1	1	0.37	100.0 10.0	1	0.19	2 1.0	7 0	0.00	1	1.69	6 1.62	0	0.00	10 1	0.1000000	0.10 No	5	0 0 50-4	year LOS	2 affected <25% of project community	1 >50% Life/injury risk percentage	5VI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	1 category) Project will deliver a low level of environmenta I benefits (1	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4 1	.1.5 15.69	27.19	196 15.69	9 439
093000009 9	Jal Draw. Prol. 8	Midland	The proposed channel has a 250-floot 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' s' 6' REC's. The C 11250 rossing is proposed to be fourteen [14] 10'.	Channel	\$11.047.000	34	34	1.77	100.0 10.0	24	0.83	40 3.2	5 0	0.00	0	0.00	4 1.36	0	0.00	10 1	0.3000000	0.30 No	,	0 0 5-ve	ear LOS	2 affected	1 <20%	2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	1 category) Project will deliver a low level of environmenta l benefits (1	Bootets, and energency are access may be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4	7.5 18.46	25.96	221 18.46	6 387
093000010 9	Jal Draw, Proj. C	Midland	m. B. C. I her LX 12-01 crossing is proposed to be rounteen (14) st g * The proposed channel has a top width of 500-feet for much of th reach to match the existing top width. There are two existing considering, one 21 crowley Road and thick other at Holdiday Hill	Channel	\$33,365,000	0	0	0.00	0.0 0.0	0	0.00	0 0.0	0 0	0.00	0	0.00	3 1.18	0	0.00	10 1	0.0000000	0.00 No		Ο Ο 5-γε	rear LOS	2 affected <25% of project	percentage 1 <20% Life/injury risk	to moderate 2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefit 1 category Project delivers benefits in only 1 wider benefit	1 category) Project will deliver a low level of environmenta	moobed, and eminegency services access may 3 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4	7.5 1.68	9.18	558 21.18	8 321
093000011 9	Jal Draw, Proj. E	Midland	Road. FNI recommends that both crossings remain. Proposed Excavation in playa located south of Taylor and west o	Channel	\$3,773,000	0	0	0.00	0.0 0.0	0	0.00	0 0.0	0	0.00	0	0.00	1 0.57	12.64000034	1.71	10 1	0.0000000	0.00 No		O 0 5-ye	rear LOS	community 2 affected 50%-75% of project	percentage 1 >50% Life/injury risk	to moderate 10 vulnerability) SVI between	Project delivers benefits in 2	l benefits (1 1 category) Project will deliver a high level of environmenta	Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire	4 1	.1.5 2.78	14.28	474 2.78	8 605
093000013 9	Northwest Andrews Playa Lake Excavation	Andrews	new 5th Street (FM301). Approximate 53,000 cuyd. of removed earth material. 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	Other	\$840,000	2	0	0.00	0.0 0.0	0	0.00	0 0.0	0	0.00	0	0.00	0 0.00	0	0.00	0 0.	3.9000001	3.90 No		O O Unk	known	community 10 affected <25% of project	percentage 7 <20% Life/injury risk	0.01-0.25 (low 2 vulnerability) SVI between 0.25-0.5 (low	wider benefit 1 categories Project delivers benefits in only 1 wider	I benefits (4+ 4 categories) Project will deliver a low level of environmenta	stations. Allows emergency services access to 10 the entire administrative area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	10 1	8.5 9.75	28.25	173 28.25	5 166
093000015 9	Midland Draw, Project A	Midland	crossing, at Loop 349, is to remain. The second crossing, at the futur. The proposed channel has a 250-foot top width for the entire	Channel	\$13,592,000	0	o	0.00	0.0 0.0	0	0.00	0.00	0 0	0.00	1	1.69 1	14 2.17	0	0.00	10 1	0.3000000	0.30 No		0 0 25-4	year LOS	community 2 affected <25% of project	percentage 1 <20%	to moderate 2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	l benefits (1 1 category) Project will deliver a low level of environmenta	flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4	7.5 5.11	12.61	498 5.11	1 583
093000016 9	Midland Draw. Proiect B	Midland	length of the reach. There is one proposed crossing. The Midland Drive crossine is proposed to be twelve (12) 10" x 6" RCBC"s. The proposed channel has a 250 foot top width for the entire length of the reach. There are two proposed crossings within the	Channel	\$9.045.000	12	12	1.33	100.0 10.0	12	0.68	36 3.1	3 0	0.00	0	0.00	5 1.50	0	0.00	10 1	0.1000000	0.10 No		0 0 S-ws	rear LOS	community 2 affected <25% of project	percentage 1 <20% Life/injury risk	to moderate 2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	l benefits (1 1 category) Project will deliver a low level of environmenta	Blooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4	7.5 17.44	24.94	240 17.44	4 406
093000017 9	Midland Draw, Project C	Midland	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 s* The proposed channel has a 300-foot too width. There are three	Channel	\$13,676,000	0	0	0.00	0.0 0.0	0	0.00	0 0.0	1	1.06	0	0.00	5 1.50	25.12999916	2.07	10 1	0.0000000	0.00 No	,	0 0 100	D-year LOS	community 2 affected <25% of project	percentage 1 <20%	to moderate 2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	l benefits (1 1 category) Project will deliver a low level of environmenta	flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4	7.5 5.13	12.63	496 5.13	3 582
093000018 9	Midland Draw, Project D	Midland	proposed or Develop(2) of Ver GROC's the second crossing, and Middliff Road, is proposed to be twelvel (2) of Ver GROC's the second crossing, Mayfield Place, is proposed to be twelve (12) 10' x 6'' RCBC's.* The proposed channel has a 300-foot top width for the entire reach. There are three proposed crossings, one is an existing crossing to		\$28,762,000	0	0	0.00	0.0 0.0	0	0.00	0.0	0	0.00	0	0.00	3 1.18	0	0.00	10 1	0.0000000	0.00 No		0 0 100	0-year LOS	community 2 affected <25% of project	percentage 1 <20%	to moderate 2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	l benefits (1 1 category) Project will deliver a low level of environmenta	Blooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4	7.5 1.68	9.18	558 1.68	8 612
093000019 9	Midland Draw, Project E	Midland	be expanded. The first crossing, at a pipeline bank west of Garfield Street, is currently one (1) 10' x 5' RCBC and is* This reach is the downstream terminus of the proposed channel, with a top width of 400ft. The improved channel alignment is	Channel	\$13,600,000	0	0	0.00	0.0 0.0	0	0.00	0 0.0	0	0.00	0	0.00	0 0.00	0	0.00	10 1	0.0000000	0.00 No		0 0 5-γε	rear LOS	community 2 affected <25% of project	percentage 1 <20%	to moderate 2 vulnerability) SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	l benefits (1 1 category) Project will deliver a low level of environmenta	Blooded, and emergency services access may 3 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4	7.5 0.50	8.00	563 0.50	<u>0</u> 614
093000020 9	Midland Draw, Project F	Midland	sholwn as a potential drainage buffer area between the polo ground and existing and proposed developments.	Channel	\$5,883,000	0	8	1.16	0.0 0.0	0	0.00	0 0.0	0 0	0.00	0	0.00	5 1.50	0	0.00	10 1	0.0000000	0.00 No		0 0 50-1	year LOS	community 2 affected	percentage 1 <20%	to moderate 2 vulnerability)	benefit 4 category	l benefits (1 1 category)	flooded, and emergency services access may 3 be restricted in some areas	4	7.5 3.17	10.67	537 3.17	.7 603
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 Sation Ord. The first reach of Improvements extend upstream to the eastern edge of an exit	Other	\$1,120,000	242	1	0.37	0.4 0.0	1	0.19	7 1.5	5 0	0.00	0	0.00	1 0.57	11.27142811	1.65	25 2.	50 1.1000000	1.10 No		O O Unk	known	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.75-1.00 (high 10 vulnerability)	Project delivers benefits in 3 wider benefit 10 categories	Project will deliver a moderate level of environmenta I benefits (2-3 7 categories)	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 6 the entire administrative area.	10 22	.75 8.78	31.53	104 31.5	.53 101
093000031 9	Cauley Lane Resional 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 olav.	Other	\$9.851.000	143	143	2.37	100.0 10.0	143	1.21	234 4.5	7 1	1.06	2	2.77	3 1.18	0	0.00	0 0.	0.900000	0.90 No	,	O O Unk	known	25%-50% of project community 2 affected	Life/injury risk percentage 4 <20%	SVI between 0.25-0.5 (low to moderate 2 yulnerability)	Project does not deliver any wider 4 benefits	Project will deliver a low level of environmenta I benefits (1 Cateaory)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some arcs.	4 8	1.75 25.40	34.15	69 32.6	.65 82
093000035 9	Bradford Detention	Tom Green County	The proposed project includes a 500-ft long drainage channel an culvert crossing that diverts runoff into a 7-ac regional detention pond that will be pumped to send flow to the East Angelo Draw.		\$5,528,000	760	26	1.66	3.4 0.3	26	0.84	1 0.6	5 0	0.00	0	0.00	0 0.00	0	0.00	0 0.	0.6000000	0.60 No	,	O O Unk	known	25%-50% of project community 2 affected	Life/injury risk percentage 4 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	Project will deliver a low level of environmenta I benefits (1 0 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 8	1.75 5.00	13.75	484 12.7	.25 491
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.	: II Other	\$3,075,000	163	8	1.16	4.9 0.5	. 8	0.59	10 2.2	3 0	0.00	0	0.00	0 0.00	0	0.00	0 0.	00 0.2000000	0.20 No	5	O O Unk	known	25%-50% of project community 2 affected	Life/injury risk percentage 4 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	Project will deliver a low level of environmenta l benefits (1 o category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some access.	4 8	1.75 4.97	13.72	485 12.J	.22 492
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	2	1	0.37	50.0 5.0	1	0.19	2 1.0	7 0	0.00	0	0.00	0 0.00	4.861653805	1.21	25 2.	50 0.6000000	0.60 No	,	O O Unk	known	50%-75% of project community 10 affected	Life/injury risk percentage 7 >40%	SVI between 0.25-0.5 (low to moderate 8 vulnerability)	Project delivers benefits in 2 wider benefit 4 categories	Project will deliver a high level of environmenta I benefits (4+ 4 categories)	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 10 the entire administrative area.	10	23 10.59	33.59	73 36.84	.84 42
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	163	26	1.66	16.0 1.6	26	0.84	69 3.6	5 0	0.00	0	0.00	0 0.00	0	0.00	0 0.	0.6000000	0.60 No		O O Unk	known	25%-50% of project community 2 affected	Life/injury risk percentage 4 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some arcticed in some	4	12 9.25	21.25	331 9.2	.25 546
	East Angelo Draw Drainage Improvements	San Anzelo	The proposed project includes channel improvements spanning 0.6 miles and culvert capacity increase along two major channel crossines.	Channel	\$6.926.000	118	25	1.64	21.2 2.1	. 25	0.83	94 3.8	9 0	0.00	0	0.00	0 0.00	0	0.00	0 0.		0.70 No	,	O O Unk	known	25%-50% of project community 2 affected	Life/injury risk percentage 4 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 category)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some ancient	4	12 10.23	22.23	310 10.7	.23 528
	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	1	o	0.00	0.0	0	0.00	0.0 0.0	o o	0.00	a	0.00	0 0.00	0	0.00	0 0.	00 0.1300000	0.13 No	,	0 10 >50	D% ACE	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 l benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some ancient	4 13	1.75 0.32	14.07	479 14.0	.07 467
	Alum Creek - Cardinal Drive Improvements (Tributary 11)	Bastrop County	5 box culverts: 7x6, 360 LF raised roadway and channel widening		\$719,000	0	o	0.00	0.0 0.0	o	0.00	0.0	o o	0.00	0	0.00	0 0.00	0	0.00	0 0.	00 0.4700000	0.47 No			D% ACE	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 l benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some ancient services.	4 13	1.75 1.17	14.92	464 14.92	92 455
			3 box culverts: 846, 100 LF raised roadway and channel widening		\$352,000	1	0	0.00	0.0 0.0	0	0.00	0 0.0	0	0.00	1	1.69	1 0.57	0	0.00	0 0	0.0500000	0.05 No	,		D% ACE	<25% of project community 6 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 l'benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 1	.25 2.39	14.89	467 14.89	
			3 box culverts: 865, 192 LF raised roadway	LWC upgrade	\$431,000	0	۰	0.00	0.0 0.0	o	0.00	0.0	o o	0.00	0	0.00	0 0.00	0	0.00	0 0	0.0100000	0.01 No		0 10 >50	D% ACE	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 l benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas:	4 13	.75 0.02	13.77	481 13.7	.77 470

Delt Braded in all Global Militarios Reliefs

FMP ID R	Region FMP Name	Sponsor FMP Description	FMP Type Estimated Project	t Structures at Risk Raw	moved uctures Raw ArcSinh (Weighted) s Removed Structures (C	ercent of tructures structures structuremoved alculated) Weight Percent structuremoved 100.	ed, Removed Res Structures Removed Raw Removed Raw Removed Raw Removed Raw Removed Rem	d) Removed Pop Raw Removed s Populatio	d) Removed Crit d Fac Raw I	ArcSinh (Weighted) Remov Removed Crit facilities	ArcSinh (Weighted aw Removed LWC	Removed Road Miles Raw Roa	rcSinh eighted) Ag Removed moved Raw ad Miles	ArcSinh (Weighted) Ag Removed	% Nature- lased Raw (0-10)	, BCA Raw BCA	A Score Water Supply Raw	Water Supply Score	FMIP Type Pre-Project Score Ave Depth So	cre 1 Community Need	Score 2 Life and Safety Score 6	Social Vulnerability Sc	Multiple Benefit Scor	e 10 Environment al Benefit	Score 13 Mobility	Score 15 W	Details ArcSinh leighted Normalized no	ormalization of norma	ank (with ArcSinh nalization of oct criteria)	FI (OLD) I Score Rank
																							Project	Project will deliver a						
103000005	10 Gills Branch Flood Mitigation Improvements	5,050 LF channel benching, 175 LF channel improvements, increased capacity at 3 roadway creek crossings, landscape v.	walls Channel \$6,240,00	00 362	242 2.59	66.9	6.7 170 1	.24 1051 5.	.68 1	1.06	4 4)	3	1.18 0	0.00	0	0.00 1.1500000	1.15 No	0	0 >1% ACE	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	delivers benefits in only 1 wider benefit 4 category	moderate level of environmenta I benefits (2-3 1 categories)	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 6 the entire administrative area.	10	12.25 25.33	37.58	40	37.58 40
103000006	10 FM 685 Crossing Improvements	Integreated with E. Pflugenville Prkwy improvement, 100 FT r channel bench 1,700 LF, four 50 FT span bridge, 810 LF raised roadway Pflugenville	wide d Channel \$7,560,00	00 13	5 0.97	38.5	3.8 0 (3.00 37 3.	.20 0	0.00	1 1	9 1	0.57 0	0.00	0	0.00 0.1000000	0.10 No	0	0 50% ACE	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project does not deliver any wider 1 benefits	Project does not provide any environmenta 0 I benefits	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 0 the entire administrative area.	10	16 10.53	26.53	207	26.53 200
103000007	10 E. Pflugerville Parkway Crossing Improvements	Integreated with FM685 improvement, 100 FT wide channel bench 1,700 IF, four 50 FT span bridge, remove concrete dro tructure Pflugerville	Channel \$2,850,00	00 13	5 0.97	38.5	3.8 0 (37 3.	.20 0	0.00	1 1	9 1	0.57 0	0.00	0	0.00 0.1700000	0.17 No	0	0 10% ACE	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project does not deliver any wider 1 benefits	Project does not provide any environmenta 0 I benefits	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 0 the entire administrative area.	10	15 10.70	25.70	227	25.70 224
103000008	10 Highland Park Subdivision Culvert Improvements	Add two 8x4 RCBs; grading US overbank; 1.5 FT tall 150 FT in Travis County benn to orevent water flowing onto Crater of the Moon Bive	ng d LWCuperade \$533.00	30 3	3 0.76	100.0	10.0 3 (0 0.	.00 0	0.00	1 1	59 O	0.00 0	0.00	0	0.00 0.3000000	0.30 No	0	10 >2% ACE	<25% of project community 4 affected	Life/injury risk percentage 1 < 20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project does not deliver any wider 1 benefits	Project does not provide any environmenta 0 I benefits	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 0 the entire administrative area.	10	9 13.59	22.59	293	22.59 284
103000009	10 Cele Road Crossing Improvements	Four 50 FT span bridge, 1160 LF raised road Travis County	LWC upgrade \$3,970,00	00 8	0 0.00	0.0	0.0 0 0	0.00 0 0.	.00 0	0.00	1 1	i9 1	0.57 0	0.00	0	0.00 0.0200000	0.02 No	0	10 >50% ACE	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project does not deliver any wider 1 benefits	Project does not provide any environmenta 0 I benefits	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 0 the entire administrative area.	10	15 2.31	17.31	421	17.31 411
103000011	10 Cameron Road Crossina Improvements	Six 50 FT span bridge, 1520 LF raised road, channel grading a widening Travis County	LWC uperade 52.860.00	00 130	0 0.00	0.0	0.0 0 0	o 0.	.00 0	0.00	1 1	59 1	0.57 0	0.00	0	0.00 0.0700000	0.07 No	0	10 >50% ACE	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project does not deliver any wider 3 benefits Project	Project does not provide any environmenta 0 I benefits	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 0 the entire administrative area.	10	16 2.44	18.44	395	18.44 388
103000023	10 Sandy Creek/Pecan Park Areas Buyout	Acquisition of 11 residential properties located in the regula lonestown Sk.ACE floodplain and floodway on Saine'y Creek, Pecan Pari		00 12	11 1.30	91.7	9.2 10 (2.64 10 2.	.23 0	0.00	0 0	00 0	0.00 0	0.00	0	0.00 1.0500000	1.05 No	0	0 N/A	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	delivers benefits in only 1 wider benefit 1 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	o	12 15.95	27.95	182	
103000025	10 Onion Creek Structure Elevation	Elevation of 15 residential properties in the 1% ACE floodola Arrayo Doble and Onion Creek Meadows neighborhoods Travis County	Property Elevation 52.800.00	00 19	15 1.43	78.9	7.9 15 (1.73 28 2.	.99 0	0.00	0 0.	00 0	0.00 0	0.00	0	0.00 1.0000000	1.00 No	0	o n/a	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 I benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	0	11.5 15.54	27.04	199	27.04 195
103000026	10 Bluff Springs Elevation	Elevation of 39 residential properties in the 1% ACE floodpla Travis County	Property Elevation \$6,980,00	00 94	39 1.83	41.5	4.1 39 (1.93 109 4.	.00 0	0.00	0 0.	0 0	0.00 0	0.00	0	0.00 1.0300000	1.03 No	0	O N/A	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	13 13.48	26.48	208	26.48 201
103000027	10 Onion Creek Meadows Elevation	Elevation of 6 residential properties in the E% ACE floodplait	n Property Elevation S894.00	00 6	6 1.04	100.0	10.0 6 (1.53 13 2.	.42 0	0.00	0 0.	0 0	0.00 0	0.00	0	0.00 1.5100000	1.51 No	0	o n/a	<25% of project community 4 affected	Life/Injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 I benefits Project will	Project provides no change to major, minor, or emergency access routes in the project O area.	0	6.5 17.77	24.27	259	24.27 252
103000031	South Austin Regional WWTP / Sand Hill Energy Center Floor 10 Reduction	Austin Structural flood mitigation measures to protect WWTP	Flood Walls and Levees \$115,000,00	00 57	57 1.98	100.0	10.0 0 0	0.00	1.00 1	1.06	0 0.	0 0	0.00 0	0.00	0	0.00 7.2100000	7.21 No	0	0 >1% ACE	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project does not deliver any wider 7 benefits	deliver a low level of environmenta	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0	14.75 31.07	45.82	11	45.63 10
103000032	10 Walnut Creek Wastewater Treatment Plant Flood Wall	Austin Sheetolle floodwall installation to orotect WWTP	Flood Walls and Levees \$31.462.00	D 1	1 0.37	100.0	10.0 0 0	o 0.	.00 1	1.06	0 0.	0 0	0.00 0	0.00	0	0.00 8.3699999	8.37 No	0	0 >1% ACE	<25% of project community 6 affected	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high 8 vulnerability)	Project does not deliver any wider 10 benefits	O category) Project will deliver a low level of environmenta i benefits (1 0 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0	13.25 32.35	45.60	12	45.60 11
103000033	10 S Bowie Low Water Crossing - Flood Warning System	Fredericksburg Install FEWS with automatic gates & flachers	Preparedness \$28,00	00 30	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0.	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	Life/Injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category Project	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project O area.	0	4.75 0.00	4.75	592	4.75 585
103000034	10 8 Low Water Crossings - Flood Warning System	Install flood warning signals at 8 identified low water crossing that frequently overtop. Additional flow gauge installments. Marble Falls	Preparedness \$220,00	00 411	0 0.00	0.0	0.0 0 0	1.00 0 0.	.00 0	0.00	0 0	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	25%-50% of project community 2 affected	Life/Injury risk percentage 4 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	delivers benefits in only 1 wider benefit 7 category Project	Project does not provide any environmenta 1 l benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	o	7.75 0.00	7.75	566	7.75 554
103000037	10 Lady Bird Golf Course Low Water Crossing - Flood Warning S	install FEWS with automatic gates & flashers	Preparedness \$28,00	0 0	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0.	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	delivers benefits in only 1 wider benefit 7 attegory Project	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	6.25 0.00	6.25	577	6.25 564
103000038	10 W Travis Low Water Crossing - Flood Warning System	Fredericksburg Install FEWS with automatic gates & flashers	Preparedness \$28,00	0 0	0 0.00	0.0	0.0 0 0	1.00 0 0.	.00 0	0.00	0 0	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	o	4.75 0.00	4.75	592	4.75 585
103000039	10 Windmill Oaks Subdivision - Flood Warning System	Fredericksburg FNI proposes to install FEWS with automatic gates & flashers	s Preparedness \$28,00	00 0	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0.	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	Life/Injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project O area.	0	6.25 0.00	6.25	577	6.25 564
103000040	10 Red Bud Trail - Flood Warning System	install automatic warming system for Ulfrich Water Treatmer West Lake Hills Plant	nt Preparedness \$28,00	0 0	0 0.00	0.0	0.0 0 0	1.00 0 0.	.00 0	0.00	0 0	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	Life/Injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	7 category Project delivers benefits in only 1 wider benefit 4 category Project	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	o	4.75 0.00	4.75	592	4.75 585
103000041	10 City of Eagle Lake Water Plan Backup Generator	Eagle Lake Retrofit plant with backup generator	Preparedness \$826,00	00 0	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0.	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	delivers benefits in only 1 wider benefit 7 category Project	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project O area.	0	5.25 0.00	5.25	583	5.25 574
103000042	10 Beadley City Hall Backup Generator	Burnet Emergency generator for VFW	Preparedness \$83,00	0 0	0 0.00	0.0	0.0 0 0	o 0.	.00 0	0.00	0 0.	00 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	delivers benefits in only 1 wider benefit 4 category Project	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	0	3.75 0.00	3.75	605	3.75 598
103000043	10 Beadley City Fire Department Backup Generator	Beasley Emergency generator for Fire Department	Preparedness \$83,00	0 0	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0.	0 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.25-0.5 (low to moderate 0 vulnerability)	delivers benefits in only 1 wider benefit 4 category Project	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	3.75 0.00	3.75	605	3.75 598
103000044	10 Emergency Management System Backup Generators	Edna Purchase/Install 30 kW generator to maintain government	Preparedness \$89,00	0 0	0 0.00	0.0	0.0 0 0	o 0.	.00 0	0.00	0 0.	00 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	delivers benefits in only 1 wider benefit 7 category Project	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	0	5.25 0.00	5.25	583	5.25 574
103000045	10 City of Edna Safe Room Backup Generator	Purchase/install 100 kW generator to for Community Safe Rd (triage center)	som Preparedness \$150,00)O 3	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0.	xx 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability).	delivers benefits in only 1 wider benefit 7 category Project	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	0	5.25 0.00	5.25	583	5.25 574
	10 City of Edna Sewer Lift Station Backup Generator	Edna Purchase/install 30 kW generator to maintain WWTP	Preparedness \$89,00)) 1	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0.	xx 0	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.	0	5.25 0.00	5.25	583	5.25 574
103000047	10 City of Ganado Sewer Lift Station Backup Generator	Ganado Emergency generators for sewer lift stations	Preparedness \$89,00	o 28	0 0.00	0.0	<u>ao</u> o c	0.00	.00 0	0.00	0 0	00 O	0.00 0	0.00	0	0.00 0.0000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 I benefits	Project provides no change to major, minor, or emergency access routes in the project O area.	o	5.25 0.00	5.25	583	5.25 574
	10 Jackson County Courthouse Backup Generator	Jackson County Purchase generator for courthouse	Preparedness \$89,00	» o	0 0.00	0.0	0.0 0 0	0.00	.00 0	0.00	0 0	xx 0	0.00 0	0.00	0	0.00 0.000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <nult></nult>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	7 category Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	5.25 0.00	5.25	583	5.25 574
	10 City of Edna Hospital Backup Generator	Edna Purchase permanent back-up generator for hospital	Preparedness \$500,00	30	0 0.00	0.0	0.0 0	0.00	.00 0	0.00	0 0	00 0	0.00 0	0.00	o	0.00 0.000000	0.00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category Project	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	o	5.25 0.00	5.25	583	5.25 574
	10 Various Streets - Flood Warning System	Menard Purchase flood early warning system	Preparedness \$310,00	00 518	0 0.00	0.0	0.0 0 0	0.00	.00	0.00	0 0.	00 0	0.00 0	0.00	o	0.00 0.0000000	0.00 No	o	4 N/A	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project of area.	0	4.75 0.00	4.75	592	4.75 585

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Draft Randed List of Flood Milligation Projects

FMP ID	Region FMP Name	Sponsor	FMP Description	FMPType	Estimated Project Cost	Structures at Risk Raw Raw	ed (Weighted) res Removed Structures	Percent of structures removed (Calculated)	Veighted, ercent of Structures Removed (0-Raw	d Res (Weighted) Fes Structures Removed	emoved Pop Raw Remove Populati	h Removed Cr ed Fac Raw	ArcSinh it (Weighted) Removed Crit facilities	Removed (Wei	Sinh (ghted) noved Road Mil WC Raw	d (Weighted) Removed Road Miles	Ag Removed Raw Ag Rem	Sinh % Nature ghted) Based Ra moved	e- Normalized (0-10)	BCA Raw BCA Scor	Water Supply W	ter Supply FMP Score Sc	P Type Pre-Project Score Ave Depth Score	re 1 Community Sco	re 2 Life and Safety Sc	ore 6 Social Vulnerability Sci	ore 8 Multiple Benefit	Score 10 Environment al Benefit Scor	13 Mobility	Score 15 Project Details Weighted Score	Normalized normaliza	e (with Rank (with ArcSinh title of normalization of select criteria)	Pre RFI (OLD) Total Score Rank
103000052	10 Jonestown Flood Warning System	Jonestown	Floodplain early warning system and local response plan	Preparedness	\$54,000	321	0 0.00	0.0	10)	Removed	0	0.00	0 0.00	0	0.00	0 0.00		0.00	0 000	0.0000000	00 No	0	4 N/A	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	Project delivers benefits in only 1 wider benefit 1 category	Project does not provide any environmenta 1 l benefits	Project provides no change to major, minor, or emergency access routes in the project Oarea.	0 3.25	0.00	3.25 608	3.25 601
103000053	Steiner Ranch WWTP Backup Generator	Briancliff	Purchase stand-by generator for WWTP	Preparedness	\$809,000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	o	0.00	0 0.00	o	0.00	0 0.00	0.0000000	00 No	0	4 N/A	<25% of project community 2 affected	1 <null></null>	SVI between 0.01-0.25 (low 0 vulnerability)	Project delivers benefits in only 1 wider benefit 1 category	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 2.25	0.00	2.25 614	2.25 610
103000054	Portable Electronic Signs	La Ward	Portable electronic signs	Preparedness	\$56,000	17	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.0000000	00 No	0	4 N/A	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 l benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 6.25	0.00	6.25 577	6.25 564
			Project replaces culverts of 2 exist. Iow 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.																					<25% of project community	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in 2 wider benefit	Project will deliver a moderate level of environmenta i benefits (2-3	Project will protect major and minor access routes in floodplain and emergency service access to EMS, polio stations, and fire stations. Allows emergency services access to				
103000055	10 Dalton Lane Low Water Crossing Improvements	Austin	restoration downstream of the crossings to prevent erosion. Install new storm drain, detention ponds, and UD	LWC upgrade	\$19,138,000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	2	2.77	0 0.00	0	0.00	0 0.00	1.1000000 1	10 No	0	10 2	<25% of project community	1 >50% Life/injury risk percentage	5VI between 0.01-0.25 (low	7 categories Project does not deliver any wider	Project does not provide any environments	6 the entire administrative area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	10 20.5	5.52	26.02 218	26.02 217
103000056	10 Waller Creek - Guadalupe St Flood Risk Reduction Project	Austin		Storm Drain	\$72,072,000	207	86 2.16	41.5	4.2	0 0.00	618	5.29	0 0.00	0	0.00	1 0.57	0	0.00	0 0.00	1.0000000 1	00 No	0	0 <50% ACE	4 affected <25% of project community	1 <20% Life/injury risk percentage	2 vulnerability) SVI between 0.25-0.5 (low to moderate	1 benefits Project delivers benefits in only 1 wider benefit	O I benefits Project does not provide any environmenta	be restricted in some areas 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	4 6	14.67	20.67 341	14.67 459
103000057	10 Detention Pond at Hunters Crossing (DMP S8-01)	Bastrop	Outlet weir structure, berm improvements	Detention Pond	\$708,000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	1.129999995	0.51	0 0.00	0.0300000 0	03 No	0	0 >4%	<25% of project community	1 >50% Life/injury risk percentage	SVI between 0.5-0.75 (moderate to bieb	Project does not deliver any wider	1 benefits Project will defiver a low level of environmenta benefits (1	O the entire administrative area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	10 17.75	0.59	18.34 398	18.34 390
103000059	10 SH-95 Improvements at Gills Branch (DMP GB-01)	Bastrop	Addition of culverts at SH-95 Replace existing culvert with bridge and channel benching at FM	LWC upgrade	\$688,000	0	0 0.00	0.0	0.0	0 0.00	O	0.00	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.2000000 0	20 No	0	10 >10%	8 affected <25% of project community	1 >50% Life/injury risk percentage	10 vulnerability) SVI between 0.25-0.5 (low to moderate	Project does not deliver any wider	0 category) Project will deliver a low level of environmenta I benefits (1	be restricted in some areas 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	4 15.75	0.50	16.25 440	16.25 430
103000060	10 Piney Creek Millisation	Bastrop County Bastrop County	Bridge improvements and channel benching at SH95, Main St, and UPPR	LWC upgrade	\$8,289,000	0 0	24 162	0.0	83	0 0.00	0	3.51	1 106	0	0.00	1 0.57	4.849999905	268	39 3.90	0.5000000 0	50 No	0	10) >20%	8 affected <25% of project community 10 affected	Life/injury risk percentage	5VI between 0.5-0.75 (moderate to high 10 vulnerability)	Project does not deliver any wider 7 benefits	O category) Project will deliver a low level of environmenta I benefits (1 O category)	The entire administrative area. Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have a restricted access in local areas.	7 1875	4.40	21.65 324	21.65 310
																								<25% of project	Life/înjury risk	SVI between 0.5-0.75 (moderate to	Project does not deliver	Project will deliver a moderate level of environmenta I benefits (2-3	Project provides no change to major, minor,				
103000062	10 Cedar Creek Channel Improvements Near Christian Drive	Caldwell County	Channel improvements to reduce residential flooding near Christian Drive	Channel	\$14,654,000	16	9 1.21	56.3	5.6	8 0.59	24	2.88	0 0.00	0	0.00	0 0.00	o	0.00	5 0.50	0.0000000	00 No	0	0 Unknown	community 4 affected <25% of	percentage 1 <20%	SVI between 0.5-0.75	any wider 7 benefits Project delivers benefits in	O categories) Project will deliver a moderate level of	or emergency access routes in the project 6 area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	0 85	10.56	19.06 378	19.05 366
103000063	10 CR 170 Low Water Crossing Improvements @ Lytton Creek	Caldwell County	Upgrade 2 existing low water crossings to include box culverts an channel improvements	LWC upgrade	\$4,877,000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	1	1.69	0 0.00	o	0.00	5 0.50	0.1000000 0	10 No	0	10 Unknown	project community 10 affected	Life/injury risk percentage 1 >20%	(moderate to high 4 vulnerability)	only 1 wider benefit 7 category Project	environmenta I benefits (2-3 1 categories) Project will deliver a	many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas	4 14.75	2.19	16.94 432	16.94 421
103000064	10 CR 172 Low Water Crossina Improvements @ Lytton Creek	Caldwell County	Upgrade existing low water crossing to include box culverts and channel improvements	LWC uperade	\$4.574.000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	o	0.00	0 0.00	o	0.00	5 0.50	0.5000000 a	50 No	0	10 Unknown	<25% of project community 10 affected	Life/injury risk percentage 1 >20%	SVI between 0.5-0.75 (moderate to high 4 vulnerability)	delivers benefits in only 1 wider benefit 7 category	moderate level of environmenta I benefits (2-3 1 catezories)	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. Project will protect some major access routes	10 17.75	1.50	19.25 371	19.25 361
103000065	10 Creek Street at Barons Creek	Fredericksburg	Upgrade existing low water crossing and channel improvements	LWC upgrade	\$2,027,000	1	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.3000000 0	30 No	0	10 >2 YR	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 l benefits Project will	In floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 14.5	0.75	15.25 458	15.25 451
103000066	10 Broadway Avenue at Backbone Creek Low Water Crossing	Marble Falls	This FMP replaces the Broadway Street bridge and dose 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) 28	4 0.88	14.3	1.4	2 0.31	26	2.94	0 0.00	1	1.69	0 0.00	0.013237	0.01	10 1.00	0.7000000 0	70 No	0	10 2 YR	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	deliver a low level of environmenta l benefits (1 4 category) Project does	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 3 the entire administrative area.	10 20.75	9.50	30.25 132	30.25 121
103000067	10 Whitman Branch Industrial Area - Regional Detention	Marble Falls	This FMP is regional stommwater detention that controls flows upstream of the Commerce Street area. The solution includes a approximately 36 ft tall earther dam approximately 1750 feet long on Whitman Branch near Coach Drive.	Dam	\$28,000,000	49	38 1.81	77.6	7.8	1 0.19	91	3.87	0 0.00	1	1.69	0 0.00	5.259453773	1.25	0 0.00	1.3000000 1	30 No	0	0 2 YR	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	0.5-0.75 (moderate to high 10 vulnerability)	delivers benefits in 2 wider benefit 7 categories	not provide any environmenta 4 I benefits	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas. Project will protect some major access routes	7 17.5	19.81	37.31 41	37.31 41
103000068	10 Immanuel Road/Pecan Park at Upper Gilleland Creek (DMP GC-05	Pflugerville	Channel improvements and embankment construction	Flood Walls and Levees	\$4,863,000	20	20 1.55	100.0	10.0	20 0.79	185	4.39	0 0.00	0	0.00	1 0.57	4.96999979	1.22	46 4.60	1.5000000 1	50 No	0	0 >20%	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project does not deliver any wider 4 benefits	deliver a low level of environmenta i benefits (1 0 category) Project does	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 15.25	24.57	39.82 26	39.82 26
103000070	10 Peach Creek Channel Improvements	Wharton County	Channel Benching along lower Peach Creek for approximately 22,900 liner feet. Easement Acquisition, and channel stabilizatio measures	on Channel	\$2,100,000	98	79 2.12	80.6	8.1	79 1.08	197	4.44	0 0.00	0	0.00	8 1.80	2179	4.42	0 0.00	2.2000000 2	20 No	0	0 Unknown	<25% of project community 6 affected	Life/injury risk percentage 1 >50%	5VI between 0.75-1.00 (high 10 vulnerability)	Project does not deliver any wider 10 benefits	not provide any environmenta 0 i benefits Project does	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 13.5	27.43	40.93 22	40.93 22
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	508	131 2.33	25.8	2.6	107 1.14	375	4.92	0 0.00	o	0.00	0 0.00	0	0.00 1.399999	1976 0.14	0.7400000 0	74 Yes	1	0 50-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project does not deliver any wider 1 benefits	not provide any environmenta O libenefits	Project provides no change to major, minor, or emergency access routes in the project 0 area. Project will protect some major access routes	0 11	12.89	23.89 272	23.89 261
113000006	21 City of Kyle Plum Creek Tributary 3 Arbor Knot Dr. Improvement	Kyle	A proposed culvert improvement has been developed to convey 15% ACE event. The proposed culvert improvement is to add one 15% ACE event. At culvert totaling three culverts at this location, and raising the finished deck elevation by 0.5ft.	, Infrastructure	\$557,000	2	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	1 0.57	0	0.00	1 0.10	0.1000000 0	10 No	0	0 10-year	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	benefits in only 1 wider benefit 4 category	not provide any environmenta 1 libenefits	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some area. Project will protect some major access routes	4 6.75	0.87	7.62 568	7.62 556
113000007	City of Kyle Plum Creek Tributary 4 Sledge Rd. Improvement	Kyle	The proposed culvert improvement resulted in eight (7ft x 4ft) bo culverts, needed to clear the roadway and to alleviate additional backwater flooding.	ox il Infrastructure	\$1,149,000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	1 0.57	0	0.00	10 1.00	0.1000000 0	10 No	0	0 2-year	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	delivers benefits in only 1 wider benefit 1 category	Project does not provide any environmenta 1 benefits	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 5.25	1.32	6.57 575	6.08 571
113000010	21 City of Kyle 65ft Channel Modification and Additional Culvert	Kvie	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 east Goforth Road to Kwn Way.	Infrastructure	\$589,000	39	4 0.88	10.3	1.0	4 0.45	16	2.58	0 0.00	0	0.00	0 0.00	0	0.00 27.79999	1924 2.78	1.7300000 1	73 No	0	0 50-year	<25% of project community 6 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	delivers benefits in 2 wider benefit 4 categories	not provide any environmenta 4 I benefits Project does	Project provides no change to major, minor, or emergency access routes in the project grea.	0 8.5	10.64	19.14 374	19.14 362
113000011	21 City of Kyle Plum Creek Detention Pond Up:zream of IH35	Kyle	This project consists of a detention pond between the railroad track and the South bound it 35 frontage road. Under this proposed afternative a 124 this dam wall would be placed on Plum Creek near Kyle Center Drive.	Detention Pond	\$864,000	3 49	1 0.37	2.0	0.2	1 0.19	2	1.07	0 0.00	0	0.00	0 0.00	0	0.00 10.89999	109	1.5100000 1	51 No	o	0 50-year	<25% of project community 2 affected	Life/Injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project does not deliver any wider 4 benefits	not provide any environmenta 0 benefits	Project provides no change to major, minor, or emergency access routes in the project o area.	0 4.5	6.15	10.65 538	10.65 523
			Enhancing stream flow gage network by increasing number of																					<25% of project community		SVI between 0.5-0.75 (moderate to high	Project does not deliver any wider	Project does not provide any environmenta	Project provides no change to major, minor, or emergency access routes in the project				
113000015	21 City of San Marcos Improve Flood Warning Systems	San Marcos	gages throughout community by at least six The objectives consist of channel improvements along Purgatory	Preparedness	\$339,000	2278	0 0.00	0.0	0.0	0 0.00	o	0.00	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0.0000000	00 No	0	4 NULL	0 affected <25% of project	1 <null></null>	0 vulnerability) SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider	O I benefits Project will deliver a low level of environmenta I benefits (1	O area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	0 4	0.00	4.00 599	4.00 592
113000026	11 City of San Marcos Purgatory Creek Channel Improvement	San Marcos	Creek to mitigate flooding and integrate projects from the City of San Marcos master plans. Recommendations include improvements to the water, wastewater, drainage utility systems and street pavement of Kingwood Street and Shorwood Orlive and a rain garden at the	Channel	\$22,391,000	73	27 1.67	37.0	3.7	27 0.85	56	3.51	0.00	1	1.69	1 0.57	o	0.00 2.200000	0.22	0.1100000 0	11 No	0	0 50-year	community 6 affected <25% of project community	percentage 1 >40% Life/injury risk percentage	high 8 vulnerability) SVI between 0.5-0.75 (moderate to high	Project does not deliver any wider	l benefits (1 1 category) Project does not provide any environmenta	flooded, and emergency services access may 3 be restricted in some areas Project provides no change to major, minor, or emergency access routes in the project	4 14	12.37	26.37 209	26.37 205
113000027	11 City of San Marcos Sherwood/Kingwood Drainage Improvements	San Marcos	west end of Sherwood Drive.	Infrastructure	\$5,644,000	17	1 0.37	5.9	0.6	1 0.19	32	3.09	0.00	0	0.00	0 0.00	0	0.00	2 0.20	0.8000000 0	80 No	0	0 10-year	2 affected	1 <20%	2 vulnerability)	7 benefits	0 I benefits	0 area.	0 6	6.34	12.34 502	12.34 487

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Draft Ranked List of Flood Militation Projects

FMP ID	Region Number	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Cost	Structures at Risk Raw	Removed Structures Raw Structs	hh Percent of ted) structures removed	Weighted, Percent of structures removed (0-	Removed Res Structures Removed	ArcSinh (eighted) Res ructures	ArcSinh (Weighted Raw Removed Populatio	d) Removed d Fac Rav	ArcSinh Crit (Weighted) w Removed Crit	Removed it LWC Raw	ArcSinh (Weighted) Removed	Removed Road Miles Raw	ArcSinh (Weighted) Ag Removed	g Removed Raw Ag Rem	inh % Natur nted) Based Ri	re- aw (0-10)	BCA Raw B	BCA Score Water S	upply Water St	upply FMP Type e Score	e Pre-Project Ave Depth Sco	re 1 Community Need	Score 2 Life and Safety	Score 6 So Vulne	cial Score 8	Multiple Benefit Score	e 10 Environment al Benefit	Score 13 Mobility	Score 15 Pro Der Weig Sc	sject Score Based on ArcSinh Normalized	ArcSinh Ar normalization of norma	k (with CSinh lization of criteria)	NLD) Pre RFI (OLD) ore Rank
								Structi	(Catcuate)	10)	NAW 5	emoved	Populatio	201	racintes		LWC		ROJO MILES														Project does			neported Paciors	select circleria) Select	Criteria	
113000035	11 City of Seguin Gu	Suadalupe Street Automatic Flood Gates	Seguin	Place automatic flood gates with vehicle detection on inside of flooded area to allow for egress.	Preparedness	\$115,000	1	0	0.00 0	0.0	0	0.00	0 0	0.00	0 0.0	ю о	0.00	0	0.00	0	0.00	0 0.00	0.0000000	0.00 No		0	4 NULL	<25% of project community 0 affected	1 <null></null>	SVI bet 0.25-0. to mod 0 vulner	ween 5 (low lerate ability)	Project does not deliver any wider 4 benefits	not provide any environmenta O I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area. Project will protect some major access route		2.5 0.00	2.50	611 2.5	2.50 607
113000036	11 City of Waelder B	r Baldridze Creek Resional 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, resultine in a lower flood elevation.		\$2.573.000	132	48	1.91 36	5.4 3.6	35	0.91	72 3.	8.69	0 0.0	00 3	3.49	1	0.57	0	0.00	6 0.60	1.1900001	1.19 No		0	2 25-vear	<25% of project community 6 affected	Life/injury risk percentage 1 >20%	SVI bet 0.5-0.7 (mode high 4 vulner	ween 5 rate to ability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 I benefits	in floodplain and the majority (550%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	, 4	11 17.48	28.48	170 28.	8.48 163
447000077	City of Waelder B	r Baldridge Creek Channel and Culvert Improvement	Walder	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 10:1 10? concrete box culverts.		\$3,928,000	477		16			401					450		0.53		0.00			0.70 No.			225	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	5VI bet 0.5-0.7 (mode high	ween sate to	Project does not deliver any wider	Project does not provide any environmenta 0 I benefits	Project will protect some major access routs in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access maj	is .		20.22	437	
11300037			Warter	A proposed updated culvert geometry consists of 11 box culverts (100+12h) and a raised finished deck elevation (3ff rise).	Comprehensive		122	8/	2.10	7.1	30	1.01	131 4	.14	0 00		4.02		0.57			5 0.50	0.7800000	0.78 NO		0	2 25-year	<25% of project community	Life/injury risk percentage	SVI bet 0.01-0.	ween 25 (low	7 benefits Project does not deliver any wider	Project does not provide any environmenta 0 benefits	De restricted in some areas Project provides no change to major, minor, or emergency access routes in the project.		7.22	30.22	133 30.	<u> </u>
11300039	11 City of Wimberle	ley Wilson Creek Green Acres Dr. Improvement	Wimbeney		Intrastructure	\$1,246,000	2		0.00	10 00	0	0.00	0 0	.00	0 00		0.00	0	0.00	0	0.00	2 0.20	0.100000	U.10 No		0	U.Syear	8 affected <25% of		10 vulner.	ibility)	Project delivers benefits in	Project does not provide	O area.		10 0.55	10.35	541 10.	35 376
113000040	City of Woodcree 11 Drive	reek Regional Detention South of Mountain Crest	Woodcreek	The culvert opening will be increased to three 35" concrete pipes	of Detention Pond	\$964,000	33	8	1.16 24	1.2 2.4	. 8	0.59	17 2.	1.62	0 0.00	ю о	0.00	0	0.00	0	0.00 13.39999	9962 1.34	0.9800000	0.98 No		0	0 10-year	project community 8 affected <25% of	Life/injury risk percentage 1 >50%		ween 25 (low ability)	only 1 wider benefit 1 category Project delivers	any environmenta 1 l benefits Project does not provide	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	10.25 9.92	20.17	347 20.1	.17 338
113000041	City of Woodcree 11 Crossing	reek Improvements to Brookside Drive Culvert	Woodcreek	to match the culvert capacity just downstream at Brook Meadow Dr. and also involve some minimal re-grading of the stream flowline. The proposed alternative consists of a rip rap ditch alone the	LWC uperade	\$38.000	0	0	0.00 0	2.0 0.0	0	0.00	0 0.	0.00	0 0.00	000 0	0.00	0	0.00	0	0.00	0 0.00	0.1000000	0.10 No		0	10 2-year	project community 0 affected <25% of	1 <null></null>	SVI bet 0.01-0. 0 vulner	ween 25 (low ability)	benefits in 2 wider benefit 1 categories Project does	any environmenta 4 I benefits Project does not provide	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	2 0.25	2.25	613 2.2	:.25 609
113000042	11 City of Woodcree	reek Brookhollow Drive Drainage Improvements	Woodcreek	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	to LWC upgrade	\$65,000	7	0	0.00 0	0.0	0	0.00	0 0.	0.00	0 0.00	0 0	0.00	0	0.00	0	0.00	1.5 0.15	0.0100000	0.01 No		0	10 2-year	project community 0 affected <25% of	1 <null></null>		ween 25 (low ability) ween	not deliver any wider 1 benefits Project delivers	any environmenta 0 I benefits Project does not provide	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	1 0.10	1.10	615 1.:	10 613
113000044	11 Comal County Re	Regional Detention on Bear Creek		The proposed dam height of 85 ft. and dam length of 620 ft. will crowide a maximum storage capacity of approximately 3.375 ac-ft. A 29 ft. high dam with a length of 5780 ft. would provide		\$9.179.000	9789	159	2.41 1	1.6 0.2	112	1.15	456 5.	5.06	0 0.00	00 0	0.00	0	0.00	0	0.00 1.299999	9952 0.13	2.6400001	2.64 Yes		1	0 50-vear	project community 10 affected <25% of	Life/injury risk percentage 1 >50%	(mode high 10 vulner 5VI bet 0.5-0.7	ability) ween	benefits in 2 wider benefit 7 categories Project does	any environmenta 4 I benefits Project does not provide any	Project provides no change to major, minor, or emergency access routes in the project O area.		15 15.46	30.46	129 30.4	1.46 117
113000047	11 Gonzales County	ty Regional Detention on Peach Creek	Gonzales County	approximately 41,774 act for distorage. This site would be able to store a large volume of water and greatly reduce the peak from the Peach Creek watershed. Installing generators at critical facilities will help ensure physical	Detention Pond	\$39,227,000	3965	12	1.33 0	0.0	12	0.68	34 3.	8.14	0 0.00	0 0	0.00	0	0.00	0	0.00 1.899999	9976 0.19	0.1500000	0.15 Yes		1	0 50-year	project community 10 affected	Life/injury risk percentage 1 >50%	(mode high 10 vulner SVI bet	ability)	not deliver any wider 7 benefits	0 I benefits Project does	Project provides no change to major, minor, or emergency access routes in the project O area.	. 0	14 5.65	19.65	356 19.4	1.65 347
113000052	11 Kerr County Back	ck-up Power Generators	Kerr County	installing generators, at tritical inclinios will represent prysations affectly for facility occupants and maintain electronic systems functionality during power outages. Portable generators will maintain additional systems functionality	Preparedness	\$806,000	1522	0	0.00 0	0.0	0	0.00	0 0.	0.00	0 0.0	00 0	0.00	0	0.00	0	0.00	0 0.00	0.0000000	0.00 No		0	4 NULL	project community 0 affected	1 <null></null>		ate to ability)	not deliver any wider 7 benefits	not provide any environmenta 0 i benefits Project does	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	4 0.00	4.00	599 4.0	1.00 592
113000060	11 City of Victoria B:	Back-up Power Generators	Victoria	Install emergency generators and quick connects on all buildings, critical infrastructure, and government buildings.	Preparedness	\$551,000	0	0	0.00 0	2.0 0.0	0	0.00	0 0.	0.00	0 0.0	0	0.00	0	0.00	0	0.00	0 0.00	0.0000000	0.00 No		0	4 NULL	<25% of project community 0 affected	1 <null></null>		ate to	Project does not deliver any wider 7 benefits	not provide any environmenta 0 I benefits Project does	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	4 0.00	4.00	599 4.0	L00 592
113000061	11 City of Buda Lifsc	Schutz Headwaters Voluntary Buyout	Buda	Voluntary, targeted buyouts for 1 or more affected properties. (November 11, 2016 Preliminary Engineering Report)	Property Acquisition	\$565,000	22	1	0.37 4	4.5 0.5	0	0.00	0 0.	0.00	0 0.00	0 0	0.00	0	0.00	0	0.00	100 10.00	0.3000000	0.30 No		0	O NULL	<25% of project community 0 affected	1 <null></null>	0 vulner SVI bet	ween 25 (low ability) ween	Project does not deliver any wider 1 benefits	not provide any environmenta 0 I benefits Project does	Project provides no change to major, minor, or emergency access routes in the project 0 area.		1 6.57	7.57	570 7.5	1.57 558
113000062	11 City of Nixon Was	Fastewater 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	13	0	0.00 0	0.0	0	0.00	0 0.	0.00	0 0.00	00 0	0.00	0	0.00	0	0.00	0 0.00	0.0000000	0.00 No		0	2 NULL	<25% of project community 0 affected	1 <null></null>	high O vulner SVI bet	ability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	. 0	4 0.00	4.00	599 4.0	4.00 592
113000063	11 City of San Marco	rcos Emergency Generators	San Marcos	Purchase and installation of generators for temporary sheltering efforts in all public facilities capable of housing citizens.	8 Preparedness	\$58,000	2275	o	0.00 0	0.0	0	0.00	0 0.	0.00	0 0.0	00 0	0.00	0	0.00	0	0.00	0 0.00	0.0000000	0.00 No		0	4 NULL	<25% of project community 0 affected	1 <null></null>	high 0 vulner SVI bet	ability)	Project does not deliver any wider 7 benefits	not provide any environmenta 0 I benefits Project does	Project provides no change to major, minor, or emergency access routes in the project 0 area.		4 0.00	4.00	599 4.0	1.00 592
113000064	11 Victoria County E	y Emergency Generators	Victoria County	Install emergency generators at critical facilities.	Preparedness	\$551,000	1134	0	0.00 0	0.0	0	0.00	0 0.	0.00	0 0.00	0 0	0.00	0	0.00	0	0.00	0 0.00	0.0000000	0.00 No		0	4 NULL	<25% of project community 0 affected	1 <null></null>	0.5-0.7 (mode high 0 vulner	5 rate to ability)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 I benefits	Project provides no change to major, minor, or emergency access routes in the project of area.		4 0.00	4.00	599 4.0	4.00 592
																												<25% of		SVI bet	ween	Project delivers	Project does not provide	Project will protect some major access routs in floodplain and the majority (>50%) of emergency service access. Some major and	is				
113000065	City of Seguin Rej 11 Project	Regional Detention Southwest of Seguin City Limits	Seauin	Processed regional detention detention project on Mays Creek	Detention Pond	\$2.015.000	20	8	1.16 40	3.0 4.0	. 8	0.59	19 2.	t.70	0 0.00	100 1	1.69	1	0.57	0	0.00 13.69999	9981 1.37	1.1700000	1.17 No		0	0 25-vear	project community 8 affected	Life/injury risk percentage 1 >50%	0.25-0. to mod 10 vulner	5 (low lerate ability)	benefits in 2 wider benefit 4 categories Project delivers	any environmenta 4 I benefits Project does	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of	4	14.5 14.33	28.83	165 28.1	.83 149
113000066	City of Seguin Cul 11 Project	Culvert Improvements at Guadalupe River Drive	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.	d LWC upgrade	\$594,000	16	6	1.04 37	7.5 3.8	6	0.53	13 2.	1.42	0 0.00	200 1	1.69	1	0.57	0	0.00 4.199999	9809 0.42	1.2800000	1.28 No		0	10 10-year	<25% of project community 8 affected	Life/injury risk percentage 1 >40%	to mod	ween 5 (low lerate ability)	benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4	12.75 13.42	26.17	214 26.1	i.17 210
113000067	City of Victoria Cl 11 Highway 87 Proje	Channel and Bridge Modifications on State	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	2	0.60 100	J.O 10.0	. 2	0.31	4 1	1.56	0 0.0	o 0	0.00	0	0.00	0	0.00 2.799999	9952 0.28	0.2500000	0.25 No		0	2 100-year	25%-50% of project community 6 affected	Life/injury risk percentage 4 >30%		ween 25 (low ability)	Project delivers benefits in 2 wider benefit 1 categories	Project does not provide any environmenta 4 I benefits	Project provides no change to major, minor, or emergency access routes in the project Q area.		9.5 13.23	22.73	289 22.	2.73 281
113000068	City of Victoria D 11 Highway 87 Proje	Detention Structure Located Upstream of State	Victoria	The proposed detention structure is located upstream of State Highway 87. The detention basin has a proposed height of 11ft from creet to inlet structure, a capacity of 3700 ac-ft, and three culvert outlet structures.	Comprehensive	\$58,395,000	56	38	1.81 67	7.9 6.8	: 29	0.87	52 3.	8.45	0 0.0	00 0	0.00	0	0.00	0	0.00 1.299995	9952 0.13	0.1000000	0.10 No		0	2 50-year	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	to mod	ween 5 (low lerate ability)	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 I benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.		11.5 13.23	24.73	247 24.	4.73 242
																														SVIber	ween	Project	Project does						
113000069	11 Guadalupe Coun	unty 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.	m um Comprehensive	\$45,376,000	4637	100	2.22 2	2.2 0.2	80	1.08	287 4.	1.72	0 0.00	0 0	0.00	0	0.00	0	0.00 1.600000	0.16	0.5200000	0.52 Yes		1	2 50-year	<25% of project community 10 affected	Life/Injury risk percentage 1 >50%	0.5-0.7 (mode high 10 vulner		delivers benefits in 2 wider benefit 7 categories	not provide any environmenta 4 I benefits	Project provides no change to major, minor, or emergency access routes in the project of area. Project will protect some major access route.		15 9.62	24.62	248 24.6	1.62 243
113000070	11 Victoria County N	y 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	4	o	0.00 0	2.0 0.0	0	0.00	0 0.	0.00	0 0.00	o o	0.00	0	0.00	0	0.00 1.100000	0024 0.11	1.1000000	1.10 No		0	10 2-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%		ween 25 (low ability)	delivers benefits in only 1 wider benefit 1 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project wall protect some major access routs in floodplain and the majority (50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access maj 3 be restricted in some areas	4	14 2.81	16.81	435 16.1	5.81 425
1.3000	44 10000 -	u Barroor Boad IMF	Michaela C	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 overforces.	IMCd	\$905,000			0.00	10 -		0.00		200	9 .	20			255		0.00	0024	2.8000000	3.00			10 62000-	<25% of project community	Life/injury risk	5VI bet 0.25-0. to mod	ween 5 (low lerate	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta I benefits (1	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be contributed.	is .	100 -	77.5	10"	
113000071	11 Victoria County P	s accepted statement CPT-L	Victoria County	without overtopping.	LWC upgrade	59U5,U00			0	u.0	0	0.00	0		0.00	0	0.00	0	0.00		0.600000	0.06	2.3000000	2.50 NO			- carpell	10 affected	1,730%	SVI bet	ween	Project delivers benefits in	Project will deliver a moderate level of environmenta I benefits (2-3	3 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and	15	7.03	из5	22.5	208
113000072	11 Comal County Rh	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 crotect existing Courses trees.	s d LWC uperade	\$1.087.000	0	0	0.00 0	2.0 0.0	0	0.00	0 0.	0.00	0 0.00	0	0.00	0	0.00	0	0.00 0.699999	9988 0.07	1.6000000	1.60 No		0	10 <2-year	project community 10 affected	Life/injury risk percentage 1 >50%	0.25-0. to mod 10 vulners	5 (low lerate ability)	only 1 wider benefit 4 category	1 categories) Project will	many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4	16.25 4.04	20.29	345 20.1	.29 336
113000073	11 Kendall County C	y Cypress Creek Detention		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	268	3	0.76 1	1.1 0.1	3	0.39	5 1.	1.72	0 0.0	00 0	0.00	0	0.00	0	0.00 0.600000	0024 0.06	1.0500000	1.05 Yes		1	0 ~75-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI bet 0.25-0. to mod 10 vulner	ween 5 (low lerate ability)	Project does not deliver any wider 4 benefits	deliver a moderate level of environmenta I benefits (2-3 0 categories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0	14 5.63	19.63	357 19.6	9.63 349

Dust Namined List of Flood Milligation Projects

FMP ID Region Number	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Struc Cost Ris	octures at Remove Structure Raw	d ArcSinh (Weighted) :s Removed Structures (r	Percent of tructures removed calculated) Weighte Percent structur removed 100	d, of Structures (es (0- Raw	ArcSinh (Weighted) Res Structures Removed	ArcSinh (Weighted) Raw Removed Population	Removed Crit Fac Raw Remove facili	iinh hted) Removed ed Crit LWC Raw ities	ArcSinh (Weighted) Removed LWC	moved d Miles Raw Road Mile	I) Ag Removed (Raw A	ArcSinh % N: Weighted) g Removed	% NBS, Normalized (0-10)	BCA Raw BCA	Score Water:	upply Water Supply FM Score S	IP Type Pre-Project Score Ave Depth	Score 1 Communit Need	/ Score 2 Life and Safety	Score 6 Vulnera	al bility Score 8	Multiple Benefit Scor	re 10 Environment al Benefit Score	3 Mobility	Score 15 Project Details Weighte Score	Score Based on ArcSinh ArcSinh ArcSinh ArcSinh ArcSin normalized Reported Factors select crit	tion of normalization of	Pre RFI (OLD) of Total Score)
113000074 11	Caldwell County CR 341 @ Hines Branch	Caldwell County	Upgrade existing low water crossing to include box culverts and channel improvements	LWC upgrade	\$2,893,000	0	0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	0 0.	00 0	0.00	5 0.50	0.2000000	0.20 No	0	10 NULL	<25% of project community 10 affected	Life/injury: percentage 1 >50%	isk SVI betv 0.01-0.2 10 vulneral	een i (low ility) :	Project delivers benefits in only 1 wider benefit 1 category	Project will deliver a moderate level of environmenta i benefits (2-3 1 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 14:	rs 0.75	15.50 45	50 15.50 443
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	Comprehensive	\$20.224.000	9	10 1.26	100.0	10.0 10	0.64	17 2.62	0	0.00 3	3.49	0 0.	00 0	0.00	5 0.50	0.5000000	0.50 No	0	2 100 year	<25% of project community 10 affected	Life/injury percentage 1 >50%	SVI betv 0.5-0.75 (moder: high 10 vulneral	een te to illity)	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a moderate level of environmenta I benefits (2-3 1 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 17:	15 19.50	37.25	42 36.34 48
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	s Comprehensive	\$5,798,000	11	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 2	2.77	0 0.	00 0	0.00	5 0.50	0.7000000	0.70 No	0	2 NULL	<25% of project community 10 affected	Life/injury percentage 1 >50%	SVI betv 0.5-0.75 (moder: high 10 vulneral	een te to ility)	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a moderate level of environmenta I benefits (2-3 1 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 17:	is 4.77	22.52 2:	98 22.52 290
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 Roa		\$7,934,000	5	1 0.37	20.0	2.0 1	0.19	1 0.65	0	0.00 0	0.00	0 0.	00 0	0.00	5 0.50	0.5000000	0.50 No	0	2 NULL	<25% of project community 10 affected	Life/injury percentage 1 >50%	SVI betv 0.5-0.75 (moder: high 10 vulneral	te to	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a moderate level of environmenta I benefits (2-3 1 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 17:	15 4.71	22.46 2'	99 22.96 279
	Caldwell County Plum Creek Channel Innorovements Near CR 227		Channel Improvements to mitigate residential and commercial	Channel	\$5.587.000	8	4 0.88	50.0	5.0 2	0.31	2 1.07	0	0.00 0	0.00	0 0.	00 0	0.00	5 0.50	0.1000000	0.10 No	0	O NULL	<25% of project community 8 affected	Life/injury percentage 1 >50%	SVI betv 0.5-0.75 (moder: high 10 vulneral	te to	Project does not deliver any wider 7 benefits	Project will deliver a moderate level of environmenta I benefits (2-3 O categories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 14	.5 7.76	22.26 306	09 22.97 278
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	id Comprehensive	\$19,790,000	1	10 1.26	100.0	10.0 10	0.64	28 2.99	0	0.00 1	1.69	1 0.	57 0	0.00	5 0.50	0.4000000	0.40 No	0	2 NULL	<25% of project community 10 affected	Life/injury percentage 1 >50%	SVI betv 0.5-0.75 (moder: high 10 vulneral	een te to	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a moderate level of environmenta I benefits (2-3 1 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 17:	75 18.40	36.15	54 32.40 85
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	3	17 1.48	100.0	10.0 0	0.00	128 4.12	0	0.00 0	0.00	0 0.	00 0	00.0	5 0.50	0.1000000	0.10 No	0	2 NULL	<25% of project community 8 affected	Life/injury percentage 1 >40%	SVI betv 0.5-0.75 (moder: high 8 vulneral	te to	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a moderate level of environmenta I benefits (2-3 1 categories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 13.	15.10	29.85 142	42 26.14 213
113000081 11	Caldwell County Brushy Creek Channel Improvements Near Las Estancias II	Caldwell County	Channel improvements to reduce residential flooding within Las Estancias il subdivision	Channel	\$9,622,000	0	11 1.30	0.0	0.0 11	0.66	17 2.62	0	0.00 0	0.00	0 0:	00 0	0.00	5 0.50	0.1000000	0.10 No	o	O NULL	<25% of project community 2 affected	Life/injury percentage 1 <20%	SVI betv 0.5-0.75 (moder: high 2 vulneral	een te to ility)	Project does not deliver any wider 7 benefits	Project will deliver a moderate level of environmenta l benefits (2-3 0 categories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 7	.5 5.08	12.58 5/	00 22.58 285
	Caldwell County Boggy Creek Channel Improvements Near 5H 142		Channel Improvements to reduce residential/commercial flooding near SHL42	Channel	\$6,113,000	2	2 0.60	100.0	10.0 0	0.00	4 1.56	0	0.00 0	0.00	0 0.	00 0	00.0	5 0.50	0.1000000	0.10 No	0	O NULL	<25% of project community 2 affected	Life/injury percentage 1 >20%	SVI betw 0.25-0.5 to mode 4 vulneral	een (low ate ility)	Project does not deliver any wider 4 benefits	Project will deliver a moderate level of environmenta I benefits (2-3 0 categories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0	7 12.66	19.66 355	55 14.66 460
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 Cree	ek LWC upgrade	\$7,836,000	0	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00 0	0.00	0 0.	00 0	0.00	5 0.50	0.0200000	0.02 No	0	10 NULL	<25% of project community 10 affected	Life/injury percentage 1 >50%	SVI betv 0.25-0.5 to mode 10 vulneral	ate	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a moderate level of environmenta l benefits (2-3 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 16.	15 0.30	16.55 4:	38 16.55 427
	Caldwell County CR 227 @ Brushy Creek		Upgrade existing low water crossing to include box culverts and channel improvements		\$3,504,000	0	0 0.00	0.0	۵۵ 0	0.00	0 0.00	0	0.00 0	0.00	0 0.	00 0	00.0	5 0.50	2.3000000	2.30 No	0	10 NULL	<25% of project community 10 affected	Life/injury percentage 1 >50%	SVI betv 0.5-0.75 (moder: high 10 vulneral		Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a moderate level of environmenta i benefits (2-3 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas.	4 17:	rs 6.00	23.75 2	.74 23.75 263
113000085 11	City of Kerrville First Street Low Water Crossing	Kerrville	\$12' x 6" box culverts, channel improvements, and road raise	LWC upgrade	\$9,467,000	65	11 1.30	16.7	17 11	0.66	33 3.11	0	0.00 1	1.69	0 0.	00 0	0.00 0.895	9999976 0.09	0.1000000	0.10 No	0	10 2 year	<25% of project community 8 affected	Life/injury percentage 1 >50%	10 vulneral	te to ility)	Project does not deliver any wider 7 benefits	Project does not provide any environmenta 0 i benefits Project does	Project provides no change to major, minor, or emergency access routes in the project O area.	0 :	8.72	21.72 32	21 21.28 317
	City of Kerrville Fourth Street Low Water Crossing	Kerrville	2.12' x 8' box culverts, channel improvements, and road raise This project involves expanding and adding drainage infrastructure to Faust Avenue and Nizogdoches Avenue to		\$5,392,000	20	1 0.37	5.0	0.5 1	0.19	3 1.35	0	0.00 1	1.69	0 0.	00 0	0.00 1.100	0000024 0.11	0.1000000	0.10 No	0	10 <u>1</u> year	<25% of project community 10 affected <25% of project community co	Life/injury percentage 1 >50% Life/injury	SVI betv	een (low	Project does not deliver any wider 7 benefits Project does not deliver	not provide any environmenta 0 i benefits Project will deliver a low level of environmenta	Project provides no change to major, minor, or emergency access routes in the project O area. Project will protect all major access routes in floodplain and all emergency service access.	0 :	4.40	18.40 39	d 18.53 379
113000087 11 113000088 11	City of New Braumfels Nacogdoches and Faust Drainage Improvements City of New Braumfels Castell Avenue Phase 1 Drainage Improvements	New Braunfels New Braunfels	improve nunoff collection through a storm sewer to outfall to the Guadalupe River. The project proposes inlets and pipes to collect storm water runoff along Castell Avenue and a large 10th storm box extension to outfall into the Guadalupe River along Coll Street.	Storm Drain	\$18,380,000 \$6,732,000	0	206 2.52	0.0	0.0 193	0.71	629 5.30 60 3.56	0	0.00 0	0.00	0 0.	00 0	0.00	0 0.00	0.8000000	0.80 No	0	O NULL	community 4 affected <25% of project community 4 affected	percentage 1 >20% Life/injury percentage 1 >20%	to mode 4 vulneral SVI betv 0.25-0.5 to mode 4 vulneral	een (low	any wider 4 benefits Project does not deliver any wider 4 benefits	I benefits (1 O category) Project will deliver a low level of environmenta I benefits (1 O category)	Minor access routes are still flooded or have 3 restricted access in local areas. Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 3 restricted access in local areas.	7 10:	75 11.22 75 7.01	21.97 319	19 31.97 89 10 27.76 178
		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.	l Preparedness	\$20,000	377	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	0 0.	00 0	0.00	0 0.00	0.0000000	0.00 No	o	4 NULL	<25% of project community 0 affected	1 <null></null>	SVI betv 0.25-0.5 to mode 0 vulneral	(low rate ility) 4	Project does not deliver any wider 4 benefits	Project does not provide any environmenta 0 i benefits	Project provides no change to major, minor, or emergency access routes in the project orea. Project will protect some major access routes	0 2	.5 0.00	2.50 61	11 2.50 607
113000090 11	City of San Marcos McIGe Street at Willow Springs Creek Improvements	San Marcos	LWC Upgrade (4-8'x6' RCBs, raise road 3') and Channel Improvements (SOOLE)	LWC upgrade	\$1,044,000	0	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00 0	0.00	0 0.	00 0	0.00	3.5 0.35	2.4000001	2.40 No	0	10 <2 year	<25% of project community 10 affected	Life/injury percentage 1 >50%	SVI betv 0.5-0.75 (moder: high 10 vulneral SVI betv 0.5-0.75	ility)	Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 i benefits Project will deliver a high	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 16.	6.18	22.43 30	12 22.43 291
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 month and avoid future increases in impervious cover to missiants future floods.	Natural	\$765.000	0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	0 0:	00 0	0.00	100 10.00	0.0000000	0.00 Yes	1	O NULL	<25% of project community 0 affected <25% of	1 <null></null>	(moders high 0 vulneral 5VI betv 0.5-0.75	te to	Project does not deliver any wider 7 benefits Project does	level of environmenta I benefits (4+ O categories) Project will deliver a high level of	Project provides no change to major, minor, or emergency access routes in the project 10 area.	0 6	.5 5.00	11.50 52	3 11.50 506
113000092 11		Edwards Aquifer Authority	Funding for 25% of the acquisition of a conservation exsement to catch runnel flast avoid future increases in impervious cover to mitigate future floods. Funding for 25% of the acquisition of a conservation exsement slong the San Marcox River and adjacent crossing which floods.	Natural	\$606,000	0	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00 0	0.00	0 0.	00 0	0.00	100 10.00	0.0000000	0.00 Yes	1	O NULL	project community 0 affected <25% of project	1 <null></null>	(moders high 0 vulneral SVI betv 0.5-0.75 (moders	ility)	not deliver any wider 7 benefits Project does not deliver	environmenta I benefits (4+ O categories) Project will deliver a high level of environmenta	Project provides no change to major, minor, or emergency access routes in the project area. Project provides no change to major, minor,	ο ε	.5 5.00	11.50 52	3 11.50 506
	City of Martindale and San Marcos River Foundation Scull Crossing Road Miligation Conservation Essement City of Martindale, Caldwell County, and San Marcos River Foundation Berry Ripartan Flood Miligation Conservation	Martindale Martindale, Caldwell	Benefits include ripartan preservation, avoiding future increases in impervious cover. Funding for 50% of the acquisition of a conservation easement along Hemphill Creek. Benefits include ripartan preservation,	Natural	\$489,000	5	0.00	0.0	0.0 0	0.00	0 0.00	0	0.00	0.00	0 0.	00 0	0.00	100 10.00	0.0000000	0.00 Yes	1	O NULL	community 0 affected <25% of project community	1 <null></null>	SVI betv 0.5-0.75 (modera	ility) :	any wider 7 benefits Project does not deliver any wider	l benefits (4+ 0 categories) Project will deliver a high level of environmenta I benefits (4+	or emergency access routes in the project 10 area. Project provides no change to major, minor, or emergency access routes in the project	0 6	5 5.00	11.50 523	3 11.50 506
113000094 11	Easement City of Martindale, Caldwell County, and San Marcos River Foundation Turner Riparian Flood Mittgation Conservation Easement	County	avoiding future increases in impervious cover. Funding for 50% of the acquisition of a conservation easement along Hemphill Creek and Morrison Creek. Benefits include rigarian preservation, avoiding future increases in impervious cover.	Natural Natural	\$120,000	0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	0 0.	00 0	0.00	100 10.00	0.0000000	0.00 Yes	1	O NULL	0 affected <25% of project community 0 affected	1 <null></null>	SVI betv 0.5-0.75 (moders high 0 vulneral	een te to	7 benefits Project does not deliver any wider 7 benefits	Project will deliver a high level of environmenta i benefits (4+ 0 categories)	Project provides no change to major, minor, or emergency access routes in the project 10 area.	0 6	5 5.00	11.50 523 11.50 523	23 11.50 506 23 11.50 506
123000001 12	PROJECT JA - ADLER ROAD AT CURREY CREEK AND UNNAMED TRIBUTARY A	Boerne	Improve low water crossings along Adler Road, channel regradin, curbs, sidewalls, street reconstruction	¹⁸ . LWC upgrade	\$1,611,120	0	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00	0.00	0 0.	00 0	0.00 1.470	0000029 0.15	2.5000000	2.50 No	0	10 10-year	<25% of project community 8 affected	Life/injury percentage 1 >50%	SVI betv 0.25-0.5 to mode 10 vulneral	een llow rate ility)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a moderate level of environmenta i benefits (2-3 categories)	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 6 the entire administrative area.	10 18:	6.32	24.57 25	50 24.50 247

Draft deliverative prepared for 2024

Draft Ranked Lix of Flood Mitigation Projects

FMP ID Region FMP Name Number	Sponsor	FMP Description	FMP Type	Estimated Project Cost	Structures at Rer Structures	moved uctures Raw ArcSin (Weight Remov Structur	h Percent of ed) structures ed removed	Weighted, Percent of structures removed (0-	Removed Res Structures Removed Raw St	ArcSinh Veighted) Rer Res	ArcSinh (Weighter Raw Removed Populatio	Removed Cri Fac Raw	ArcSinh t (Weighted) Removed Crit facilities	Removed (We	rcSinh highted) Rem Road	ArcSinh (Weighted Removed Road Mile:	Ag Removed Raw	ArcSinh (Weighted)	% Nature- Norm Based Raw (0-	BS, lized BCA Ray	w BCA Score	Water Supply Water	Supply FMP Type ore Score	Pre-Project Ave Depth Sco	Community Need	Score 2 Life and Safety	Score 6 Social Vulnerability	Score 8 Multip	le Score 10 Em	vironment al Benefit Score	13 Mobility	Score 15 Project Details Weighted Score	Score Based on ArcSinh Arc Normalized normali	ire (with Rank (with inh Pre RFI (ation of iteria)	I (OLD) Pre RFI (OLD) Score Rank
						Structur	(Calculated	10)	Raw R	emoved	Populatio		facilities		LWC	Road Miles	•							The project is expected remove 33								Score	Reported Factors select	riteria) select cr	iteria)	
																								structure from 10-year floodplain, 59 structures from the 50- year												
PROJECT 2 - UNNAMED TRIBUTARY A REGIONAL DETENTION																								floodplain, 8 structures from 100-year floodplain, and 5 structures from 500-year	<25% of project community 2 affected	Life/injury risk percentage	5VI between 0.25-0.5 (low to moderate	Project delivers benefits i or more v benefit	deli moo n 4 leve nider envi	eject will liver a iderate el of vironmenta enefits (2-3	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					
123000002 12 VACHITY	Boerne	Inline detention facility with culvert improvements	Detention Pond	\$7,013,130	121	113	2.27 93	3.4 9.3	0	0.00	24 2	38	0 0.00	0	0.00	0 0.1	00 0	0.00	0	0.00 0.5400	0.54	Yes	1 0	The project is	2 affected	1 <20%	2 vulnerability)	4 categorie	5 10 Cate	egories)	6 the entire administrative area.	10 13.	15.84	29.34	150	29.34 140
																								expected to remove 118 structures from the 10- year floodplain, 162 structures from the 50-												
																								floodplain, 174 structures from the 100				Project	Proj deli	oject will						
123000003 12 PROJECT 3 - CURREY CREEK REGIONAL DETENTION FACULTY	Boerne	Inline detention facility with additional stormdrain imporvement	ts Detention Pond	\$8,908,570	280	106	2.24 37.	7.9 3.8	0	0.00	522 5	16	0.00	0	0.00	0 0.0	00 0	0.00	0	0.00 2.7900	2.79	Yes	1 0	year floodplain, and 197 structures from the 500- year floodplain	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.01-0.25 (low 2 vulnerability)	delivers benefits i or more v benefit 1 categorie		iver a derate el of vironmenta enefits (2-3 egories)	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 6 the entire administrative area.	10 1:	18.17	30.17	138	30.17 125
PROJECT 4 - SCHOOL STREET AT CIBOLO CREEK AND FREDERICK 1230000004 12 CREEK	Boerne	Elevated bridge, channel grading, street reconstruction, curb, sidewalls, and driveway:	LWC upgrade	\$5,022,920	0	0	0.00 0	20 00	0	0.00		20	0 0.00	2	2.77	9 0.1	20 0	0 0.00	0	0.00 0.4000	0000 0.40	No.	0 10	10-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits i only 1 wi benefit 4 category	deli moo leve envi ler	iject will liver a iderate el of vironmenta enefits (2-3 egories)	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 6 the entire administrative area.	10 19.2	3.77	23.02	285	23.02 276
																									275W of	Life/injury risk	SVI between 0.25-0.5 (low to moderate	Project delivers	Proj	oject will liver a iderate el of vironmenta enefits (2-3	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					
123000005 12 PROJECT SO - OLD SAN ANTONIO STREET AT MENGER CREEK	Boerne	Elevated bridge, channel grading, street reconstruction, curb, sidewalks. and drivewavs	Infrastructure	\$3.506.560	o	0	0.00 0	0.0	0	0.00	0 0	00	0.00	1	1.69	0 0.1	00 0	0.00	0.675999999	0.07 0.5000	0.50	No	0 0	The project is expected to remove 11 structures from the 10-	project community 10 affected	percentage 1 >50%	to moderate 10 vulnerability)	benefit 4 category	l be 1 cate	enefits (2-3 exories)	stations. Allows emergency services access to 6 the entire administrative area.	10 19.2	2.97	22.22	311	22.19 297
																								floodplain, 15 structures from the 50-												
																								year floodplain, 18 structures from the 100- year floodplain, and 21 structures from the 500-	OTH of		0.00	Project	deli	eject will lver a derate el of	Project will protect major and minor access routes in floodplain and emergency service					
123000006 12 PROJECT 6 - JOHNS ROAD NEAR CIBOLO CROSSING SUBDIVISION	Boerne	Storm drain, channel, increase capacity of existing detention	Storm Drain	\$1,421,580	25	7	1.11 28	3.0 2.8	0	0.00	54 3	48 1	0.00	0	0.00	0 0.1	00 0	0.00	0.066700004	0.01 0.8600	0.86	No	0 0	floodplain The project is	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	benefits i wider ber 4 categorie	n 2 env lefit I be	vironmenta enefits (2-3 egories)	access to EMS, police stations, and fire stations. Allows emergency services to EMS, police stations, and fire stations. Allows emergency services access to 6 the entire administrative area.	10 1	9.54	21.54	326	21.54 313
																								expected to remove 11 structures from the 10- year floodplain, 26 structures from the 50-												
																								year floodplain, 31 structures from the 100-					deli	oject will						
123000007 12 PROJECT 7 - SCHWEPPE AND HICKMAN STREET	Boerne	Storm drain, and channel improvments	Storm Drain	\$1,990,210	38	7	1.11 18	3.4 1.8	0	0.00	93 3	38 (0.00	0	0.00	0 0.1	20 0	0.00	0	0.00 0.8200	0000 0.82	No	0 0	year floodplain, and 35 structures from the 500- year floodplain The project is	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits i wider ber 4 categorie	mod leve env lefit lbe 4 cate	vier a derate el of vironmenta enefits (2-3 egories)	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:	8.88	20.88	337	20.88 327
																								The project is expected to remove 7 structures from the 10- year floodplain, 12 structures from the 50-												
																								from the 50- year floodplain, 12 structures from the 100- year					Proj	eject will						
123000008 52 PROJECT 8 - JOHNS AND LOHMANN STREET	Boerne	Storm drain and channel improvements	Storm Drain	\$1,705,900	12	0	0.00 0	2.0 0.0	0	0.00	36 3	18	0 0.00	0	0.00	0 0.1	00 0	0.00	0	0.00 5.4600	0000 5.46	No		floodplain, and 15 structures from the 500- year floodplain	<25% of project community 2 affected	Life/Injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits i only 1 wis benefit 4 category	n leve ler env	iver a derate el of vironmenta enefits (2-3 egories)	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 6 the entire administrative area.	10 11.2	16.83	28.08	178	28.08 170
																								The project is expected to remove 46 structures from the 10-												
																								year floodplain, 59 structures from the 50- year floodplain, 42 structures from the 100-												
PROJECT 9., INNAMED TRINITIAN 4., SURDIVISION FLOOD																								from the 100- year floodplain, and 27 structures from the 500- year	<25% of project community 2 affected	Life/injury risk	5VI between 0.25-0.5 (low to moderate	Project delivers benefits i or more v benefit	deli mod	oject will liver a iderate el of vironmenta enefits (2-3	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					
PROJECT 9 - UNIVAMED TRIBUTIANY A-SUBDIVISION FLOCO 123000009 12 MOTECTION & MOBILITY PROJECT	Boerne	Low water crossine improvements, channel improvements	LWC uperade	\$4.833.370	121	79	2.12 65	5.3 6.5	0	0.00	126 4	11	0.00	0	0.00	1 0.	57 0	0.00	0.350999981	0.04 0.4800	0.48	No	0 10	floodolain	<25% of	percentage 1 <20%	2 vulnerability)	4 categorie Project delivers benefits i	Proj	epories) sject will liver a derate el of	6 the entire administrative area. Project will protect major and minor access routes in floodplain and emergency service	10 13	14.55	28.05	179	28.03 172
123000010 12 PROJECT 10 - E. BLANCO ROAD AT UNRAMED TRIBUTARY A	Boerne	Improve low water crossings along Blanco Road, channel regrading, curbs, sidewalks, street reconstruction	LWC upgrade	\$1,516,350	0	0	0.00 0	0.0	0	0.00	0 0	00	0.00	1	1.69	0 0.1	00 0	0.00	0.280999988	0.03 4.0999	9999 4.10	No	0 10	10-year	project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	only 1 wir benefit 1 category	ler env I be 1 cate	vironmenta enefits (2-3 egories) eject will liver a derate el of	access to EMS, police stations, and fire stations. Allows emergency services access to 6 the entire administrative area. Project will protect major and minor access	10 16.7	11.95	28.70	169	28.69 155
123000011 12 PROJECT 11 - RIVER ROAD AT UNNAMED TRIBUTARY A	Boerne	Improve low water crossings along River Road, channel regrading curbs, sidewalks, street reconstruction	B LWC upgrade	\$1,326,810	ō	0	0.00 0	0.0	0	0.00	0 0	30	0.00	1	1.69	0 0.4	00 0	0.00	0.356999993	0.04 3.0999	9999 3.10	No	0 10	10-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	5VI between 0.25-0.5 (low to moderate 10 vulnerability)	delivers benefits i only 1 wir benefit 4 category	ler env I be 1 cate	vironmenta enefits (2-3 egories)	Project will protect major and minor access routes in Hoodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10 19.2	9.46	28.71	168	28.69 154
PROJECT 13 - HERFF AND ESSER ROAD IMPROVEMENTS AT CURREY 123000012 32 AND CIBIOL CREEK	Boerne	Bridge at Currey Creek and Esser Road, Bridge at Cibolo Creek and River Road, Channel grading, Roadway reconstruction	d Storm Drain	\$14,500,100	0	0	0.00 0	2.0 0.0	0	0.00	0 0	20	0 0.00	3	3.49	1 0.3	57 0.234044999	9 0.12	0.49000001	0.05 1.7000	1.70	No	0 0	10-year	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project delivers benefits i or more v benefit 4 categorie	deli moo n 4 leve rider envi	iver a iderate el of vironmenta enefits (2-3 egories)	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 6 the entire administrative area.	10 15.	8.45	23.96	267	23.93 259

Draft deliverative prepared for 2024 March 2024

Draft Ranked List of Flood Mitigation Projects

FMP ID Region Number	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Cost	Structures at Risk Raw	Removed (We	rcSinh Perce eighted) struc	ent of tures oved structures removed (in 10)	Removed Res Structures	ArcSinh (Weighted)	Arc lemoved Pop (Weig	Sinh hted) Remove	ArcSinh d Crit (Weighted)	Removed (V	ArcSinh Reighted)	moved (Weights	n Ag Remove	ArcSinh	% Nature- Based Raw (0-1	S, BCA Raw	RCA Score	Water Supply Water Supply FMP T Raw Score Scor	rpe Pre-Project e Ave Depth	Score 1 Community Need	Score 2 Life and Safety	Score 6 Social Vulnerability	Score 8 Multi Bene	ole Score 10 Environm	nent Score 13	Mobility	Project Score 15 Details	Score Based on ArcSinh Ar Normalized Reported Factors	core (with Rank	k (with cSinh Pre RFI	I (OLD) Pre RFI (OLD
Number		Sportage	The Descipour	1100 1994	Cost	Risk Raw	Raw Stri	emoved removed ructures (Calcu	oved removed (i	0- Removed Raw	(Weighted) Res Structures Removed	Raw Rem Popu	oved Fac R lation	Removed Cri facilities	t LWC Raw F	LWC I	Raw Road Mi	d Raw les	Ag Removed	Based Raw (0-1) CANAW	SCA SAUTE	Raw Score Scor	The project is expected to remove 2	Need	Safety	Vulnerability	Bene	fit al Bene	ifit 20012	mounty	Weighted Score	Normalized norma Reported Factors select	ization of normali criteria) select	lization of Total Sc t criteria)	H (OLD) Score Rank
																								structures from the 10- year floodplain, 4 structures from the 50-												
																								floodplain, 6 structures from the 100-					Project w							
.23000013 12 PROJEI	CT 12 - PLANT CHANNEL IMPROVEMENT	Boerne	Channel improvements	Channel	\$1.232.040	6	0	0.00	0.0	0.0 7	7 0.56	18	2.66	0 0.0	0	0.00	0	0.00	0.00	0.558000028	0.06 0.40000	00 0.40	No 0	year floodplain, and 4 structures from the 500- year 0 floodplain	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project delivers benefits only 1 w benefit 4 category	deliver a moderate in level of level of environm l benefits 1 catezorie	enta (2-3	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 13.2	4.25	17.50	417	17.48 40
			Proposed inline extended detention facility that provides water																						<25% of project	Life/injury risk	SVI between 0.25-0.5 (low	Project delivers benefits			Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire					
.23000014 12 PROJEI	CT 14 - EAST BOERNE REGIONAL LID	Boerne	quality benefits to the urbanized tributary of Cibolo Creek and properties downstream of Scenic Loop Road	Natural	\$663,404	0	0	0.00	0.0	0.0 0	0.00	0	0.00	0 0.00	0	0.00	0	3.00	0.00	12.86000061	1.29 0.600000	0.60	No 0	0 Unknown	community 2 affected	percentage 1 <20%	to moderate 2 vulnerability)	wider be 4 categori	nefit I benefits	(2-3	stations. Allows emergency services access to the entire administrative area.	10 1:	2.14	14.14	477	13.51 473
																								The project is expected to remove 151 structures from the 10- year												
																								year floodplain, 196 structures from the 50- year floodplain, 216 structures from the 100-												
			Channel regrading, curbs, sidewalks, street reconstruction. This project is dependent on projects 1A, 3, 12, and 13 being																					from the 100- year floodplain, and 237 structures from the 500-	<25% of project community	Life finiture stek	SVI between 0.25-0.5 (low	Project delivers benefits only 1 w benefit	Project wi deliver a moderate in level of	,	Project will protect major and minor access routes in floodplain and emergency service access to EMR, police stations, and fire					
.23000015 12 PROJE	CT 15 - NORTH CURREY CHANNEL IMPROVEMENTS	Boerne	completed and Project 16 being implimented at the same time as this project to achieve the project benefits.	Channel	\$663,404	280	64	2.03	22.9	2.3 0	0.00	648	5.33	0 0.00	0	0.00	0	0.00	0.00	1.789999962	0.18 1.330000	00 1.33	No 0	year O floodplain	community 8 affected	percentage 1 >50%	to moderate 10 vulnerability)	benefit 4 category	der environm I benefits 1 categorie	(2-3 s) 6	stations. Allows emergency services access to the entire administrative area.	10 18.2	13.06	31.31	113	31.22 108
																								The project is expected to remove 151 structures from the 10-												
																								floodplain, 196 structures from the 50-												
																								floodplain, 216 structures from the 100- year floodplain, and 237												
			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	is																				structures from the 500- year floodplain and improve LOS from 10-	<25% of project community	Life/injury risk percentage	SVI between 0.01-0.25 (low	Project delivers benefits wider be	nefit benefits	enta (2-3	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					
23000016 12 PROJEI	CT 16 - SOUTH CURREY CREEK CHANNEL IMPROVEMENTS	Boerne	this project to achieve the project benefits.	LWC uperade	\$1.421.580	280	64	2.03	22.9	23 0	0.00	648	5.33	0 0.0	1	1.69	0	0.00	0.00	1.200000048	0.12 1.33000	00 1.33	No 0	10 year to 100-ye	8 affected	1 >50%	10 vulnerability) SVI between	Project delivers benefits wider be	Project wi		the entire administrative area. Project will protect all major access routes in	10 173	14.72	32.22	90 3	32.16 88
.23000017 12 Lewis 0	Ereek Alternative 1 Phase 1 & 2	Bulverde	Channel improvement, roadway improvement	Channel	\$6,021,780	34	22	1.59	64.7	6.5 0	0.00	36	3.18	0 0.00	0	0.00	0	3.00	0.00	6.139999866	0.61 0.110000	00 0.11	No 0	0 Unknown	project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	benefits wider be 4 categori	nefit I benefits	(2-3 s) 6	floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas. Project will protect some major access routes	7 17.	11.82	29.32	151	29.01 144
.23000018 12 Seeling	g Drainage Improvements	San Antonio	Install box culverts, grass lined channel construction	Storm Drain	\$28,367,500	623	467	2.87	75.0	7.5 0	0.00	1188	5.78	0 0.0	0 0	0.00	2	3.94	0 0.00	2.549999952	0.25 0.62000	0.62	No 0	0 Unknown	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits wider be 7 categorie	moderate level of environm nefit I benefits	enta (2-3	in floodplain and the majority (>50%) of 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.	18.75	36.25	51	36.13 5
																									<25% of project	Life/injury risk	SVI between 0.01-0.25 (low	Project delivers benefits	Project wi deliver a moderate level of environm	ill e enta	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have					
.23000019 12 Lewis 0	Creek Tributary 2 Alternative 1 & 2	Bulverde	Channel widening/lowering, culvert improvement, roadway improvement	Detention Pond	\$2,939.380	38	18	1.50	47.4	4.7 0	0.00	45	3.34	0 0.0	0	0.00	0	0.22239500	0.12	9.730000496	0.97 0.190000	0.19	No 0	0 Unknown	community 8 affected	percentage 1 >50%	10 vulnerability)	wider be 1 categoris Project delivers	Project wideliver a	s) E	restricted access in local areas.	7 1	10.66	26.66	204	26.18 208
.23000020 12 Lewis 0	Creek Main	Bulverde	High water detection system. System includes warning signs, with flashers and automatic arm barricade.	h Preparedness	\$165,184	34	22	1.59	64.7	6.5 0	0.00	36	3.18	0 0.00	0	0.00	0	3.00	0.00	1.669999957	0.17 0.00000	0.00	No 0	4 Unknown	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	delivers benefits wider be 1 categori	in 2 environm nefit I benefits	enta (2-3	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	5 11.32	27.32	193	27.24 190
.23000021 12 Rock C	rook Alt 1	Sun 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.	id Infrastructure	\$17,640,700	14		0.00	0.0	0.0	0.00	42	2.70			277	2	1 10	0 000		0.00 0.10000	00 010	No. 0	Less than the	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits wider be 4 categorie	nefit environm	de	Project will protect some major access routes in floodplain and the majority (>50%) of 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	7.69	21.00	217	21.99 302
					VII)2.15(1.52																				<25% of		SVI between 0.5-0.75	Project delivers	Project do	pes	Project will protect all major access routes in					
.23000022 12 Judson	and Lookout LWC Improvement	San Antonio	Upgrade the low water crossings and the connecting/downstrean channel	m LWC upgrade	\$6,301,200	0	0	0.00	0.0	0.0 0	0.00	0	0.00	0 0.00	0	0.00	0	3.00	0.00	0.5	0.05 0.900000	00 0.90	No 0	Less than 100 10 year	project community 8 affected	Life/injury risk percentage 1 >50%	(moderate to high 10 vulnerability)	benefits wider be 7 categoris Project	nefit environm is 4 I benefits		floodplain and all emergency service access. Minor access routes are still flooded or have restricted access in local areas.	7 17.5	5 2.27	19.77	354	19.75 346
.23000023 12 Symph	ony 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 Acquisition	n \$33,019,300	32	0	0.00	0.0	0.0 0	0.00	84	3.81	0 0.0	0 0	0.00	2	D.94 5.0444598	82 1.23	0	0.00 0.40000	00 0.40	No 0	0 Unknown	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits only 1 w benefit 4 category	Project do not provid der any environm 1 benefits	de	Project provides no change to major, minor, or emergency access routes in the project area.	0 11.7	6.97	18.72	384	18.72 374
																								Less than 100	<25% of project community	Life/injury risk	SVI between 0.75-1.00 (high	Project delivers benefits wider be	Project do not provi		Project provides no change to major, minor, or emergency access routes in the project					
.23000024 12 Holbro	ook Road Improvements	San Antonio	Offset a portion of the roadway south of Woodburn Rd	Infrastructure	\$14,608,100	0	0	0.00	0.0	0.0	0.00	0	0.00	0 0.0	0	0.00	0	0.00	0.00	0	0.00 0.010000	0.01	No 0	O year	8 affected	percentage 1 >50%	10 vulnerability)	10 categori	s 4 I benefits Project do	pes	area.	0 153	0.02	15.52	449 1	15.52 441
.23000025 12 Barbar	ra 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	42	25	1.64	59.5	6.0 0	0.00	54	3.48	0 0.00	0	0.00	2	3.94	0.00	0	0.00 0.04000	0.04	No 0	Less than the 0 25 year	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	0.5-0.75 (moderate to high 10 vulnerability)	delivers benefits wider be 7 categori	not provi in 2 any nefit environm is 4 I benefits	enta	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have prestricted access in local areas.	7 173	i 12.11	29.61	146	29.61 134
23000026	rs Drainage Channel Registration - All *	San Antonio	Replace the existing culverts at Blanco Rd., San Pedro Ave, Thames Dr. Private Dr. and Dorsets	Storm Desir	639 000 35-	*	2	0.761	115	12	1 07-	50	3.66	0		2 40		157	0 222		000 0000	00 00	No.	Less than the	<25% of project community 8 affected	Life/injury risk percentage	SVI between 0.75-1.00 (h)	Project delivers benefits wider be	in 2 any nefit environm	enta	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have restricted arreas in loral areas.		10.70	29.50	140	29.50
23000026 12 Thame	s Drainage Channel Replacement - Alt 1	San Antonio	Thames Dr, Private Dr and Dorsets.	Storm Drain	\$28,990,700	26	3	U.70	11.5	20	0.79	63	3.00	0.0	3	3.49			0.00		0.00 0.03000	0.03	0	0 100 year	<25% of	1250%	SVI between	10 categori Project delivers benefits only 1 w		ses	restricted access in local areas.	1	10.50	29.30	140	29.50 138
.23000027 12 Shadv	Lane Dr. Voluntary Property Acquisition	San Antonio	This project consist primarily of property buy-outs within the floodolain to mitigate structural flooding to those properties.	Property Acquisition	n \$1.306.980	7	0	0.00	0.0	0.0 0	0.00	18	2.66	0 0.00	0	0.00	0	3.00	0.00	0	0.00 0.20000	00 0.20	No 0	0 Unknown	project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	only 1 w benefit 4 category	environm	enta C	Project provides no change to major, minor, or emergency access routes in the project area. Project will protect some major access routes	0 11.7	3.16	14.91	465	14.91 456
.23000028 12 Conce	pcion Creek Improvements Project		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	8 Infrastructure	\$179,482,000	4216	2335	3.54	55.4	5.5 1251	1 1.67	3753	6.63	1 1.0	5 10	5.75	9	1.88	0.00	o	0.00 0.50000	00 0.50	No 0	Less than the 0 100 year	<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.75-1.00 (high 4 vulnerability)	Project delivers benefits wider be 10 categoris	moderate level of environm	enta (2-3	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 14.7	27.31	42.06	20	42.06 2

Draft deliverative prepared for 2024

Dust Namined List of Flood Milligation Projects

FMP ID Region Number	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Cost Rin	uctures at lisk Raw Raw	ved (Weighted) res Removed Structures	Percent of structures removed (Calculated) Weigh Percer structure removed 10	ted, t of Structures of (0-Raw	ArcSinh (Weighted) Res Structures Removed	ArcSinh oved Pop Raw Removed Population	ArcSin Removed Crit (Weight Fac Raw Removed facilitie	nh Removed (Crit LWC Raw es	ArcSinh (Weighted) Removed LWC Removed Road Miles Raw	ArcSinh (Weighted) Removed Road Miles	Ag Removed Raw ArcSin (Weight Ag Remo	h % Nature- nd) Based Raw No	% NBS, ormalized BCA R (0-10)	w BCA Score	Water Supply Water Supply Raw Score	r FMP Type Pre-Pr Score Ave D	oject Score 1	Community Need Sco	re 2 Life and So	core 6 Social Vulnerability S	core8 Multiple Benefit S	icore 10 Environment al Benefit Score	3 Mobility	Score 15 Project Details Weighte Score	Score Based on ArcSinh ArcSinh ArcSinh Normalized Reported Factors select crit	nh ArcSinh tion of normalization of	Pre RFI (OLD) of Total Score)
123000029 12 Damage Ce	nter 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 Pond	\$1,986,000	188	9 1.21	4.8	0.5 9	0.62	27 2.96	0	0.00 0	0.00	1 0.57	0	0.00 10	1.00 1.60	0000 1.60	No (0 <25		<25% of project community 4 affected	Life/injury risk percentage 1 >30%	SVI between 0.25-0.5 (low to moderate 6 vulnerability)	Project delivers benefits in 2 wider benefit 4 categories	Project will deliver a moderate level of environmenta I benefits (2-3 4 categories)	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 6 the entire administrative area.	10	15 10.34	25.34 2	31 24.85 238
123000030 12 Damaee Ce	nter 2-Proiect 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 we of Poth Creek	est LWC uperade	\$2,204,000	2	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 1	1.69	1 0.57	0	0.00 3	0.30 0.301	0000 0.30	No () 10 <10		<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in 2 wider benefit 4 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	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 3 the entire administrative area.	10 18.	25 3.16	21.41 3	28 21.25 319
	nter 2- Project 2 Road connection from Mosspoint to	Poth	During a large storm event, access to and from residences adjacent to Mosspoins Street is compromised	Infrastructure	\$1,389,000	0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	0 0.00	ō	0.00 3	0.30 0.020	0.02	No 6	0 <10		<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in 3 wider benefit 4 categories	Project will deliver a low level of environmenta I benefits (1 7 category)	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 3 the entire administrative area.	10	12 0.20	12.20 5	09 12.05 495
123000032 12 Woodlawn	Lawn Lake Option 2	Balcones Heights	Detention, Storm drain improvements, Culvert Improvments, Roadway Improvements.	Channel	\$9,196,000	19	13 1.37	68.4	6.8 13	0.69	84 3.81	0	0.00 0	0.00	1 0.57	0	0.00 10	1.00 0.100	0000 0.10	No (0 <10		<25% of project community 4 affected	Life/injury risk percentage 1 >30%	SVI between Q.5-Q.75 (moderate to high 6 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	Project will deliver a moderate level of environmenta I benefits (2-3 4 categories)	Project will protect major and minor access routes in floodpiblin and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to 6 the entire administrative area.	10 16	15 14.03	30.53 1:	28 30.04 128
123000033 12 LWC at Old	Fredericksbure Rd and Balcones Creek	Bexar County, Kendall County	Improve the low water crossing at Old Fredericksburg Rd and Balcones Creek	LWC uperade	\$10.270,000	0	0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.000	0.00	No 6) 10 <10		<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0 12:	75 0.72	13.47 49	90 13.32 476
123000034 12 Elm Spring		Shavano Park	Etooding creates dangerous driving conditions and flood multip homes. Proposed Storm drain system along Elm spring	ole Storm Drain	\$2,191,000	17	5 0.97	29.4	29 4	0.45	12 2.36	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.100	0.10	No 6	0 <25		<25% of project community 2 affected	Life/injury risk percentage 1 >20%	SVI between 0.01-0.25 (low 4 vulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	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 3 the entire administrative area.	10 10.	75 7.69	18.44 3:	94 18.29 392
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	12	8 1.16	66.7	6.7 8	0.59	16 2.58	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.000	0.00	No 6	0 <25		<25% of project community 6 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	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 3 the entire administrative area.	10 15:	75 11.72	27.47 19:	91 27.32 189
123000036 12 Blanco Roa	d at Cibolo Creek	Bexar County, Comal County	Improve Low water crossing at Blanco Rd and Cibolo Creek	LWC upgrade	\$21,717,000	0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 1	1.69	1 0.57	0	0.00 3	0.30 0.100	0000 0.10	No () 10 <10		<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	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 3 the entire administrative area.	10 17:	75 2.66	20.41 3	43 20.26 337
123000037 12 Specht/Obs	st 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	3	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.500	0.50	No 0) 10 <2		<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0 12:	75 1.97	14.72 46	68 14.57 461
123000038 12 Toutant 8e	auregard at Balcones Creek	Bexar County, Kendall County	Low water crossing improvements at Toutant Beaureguard Rd and Upper Balcones Rd intersection and Balcones Creek	LWC upgrade	\$3,647,000	0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	1 0.57	o	0.00 3	0.30 0.100	0.10	No 6	0 10 <10		<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	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 3 the entire administrative area.	10 17:	75 0.97	18.72 3	82 18.57 377
123000039 12 Boerne Staj	ge Road at Balcones Creek	Bexar County, Kendall County	Improvements on Low water crossing at Boerne Stage rd and Balcones	LWC upgrade	\$5,855,000	1	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.100	0000 0.10	No 6	10 <10		<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project delivers benefits in 2 wider benefit 1 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	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 3 the entire administrative area.	10 17:	75 0.97	18.72 38	82 18.57 377
123000040 12 Blue Ridge (Drive Drainage Improvements	San Antonio	Improve neighborhood and street flooding along Blue Ridge Dri by installing new culverts and a flow bypass system.	Storm Drain	\$21,064,000	49	18 1.50	36.7	3.7 18	0.76	54 3.48	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.200	0.20	No (0 <10		<25% of project community 4 affected	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high 8 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	Project will protect major and minor access routes in floodplain and emergency service access to EMs, pello a stations, and fire stations. Allows emergency services access to 3 the entire administrative area.	10 18.	25 10.64	28.89 1	57 28.74 153
123000041 12 Southwell F	Road Drainage Improvements	San Antonio	Improve the two Low water crossings along Encino Park Road an Southwell Road intersecting Huebner Creek.	nd LWC uperade	\$5.921.000	15	11 1.30	73.3	7.3 11	0.66	10 2.23	0	0.00 2	2.77	1 0.57	0	0.00 3	0.30 2.301	2.30	No () 10 <10		<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	Project will deliver a low level of environmenta I benefits (1 4 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0 15:	75 20.76	36.51	49 36.36 47
123000042 12 Ridge Run S	Street Area Drainage Improvements	San Antonio	Improve drainage east of Ridge Run Drive along Culebra Creek toontain 100 year flood event.	Channel	\$10,443,000	30	30 1.72	100.0	10.0 30	0.87	89 3.85	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.301	0.30	No (0 <10		<25% of project community 4 affected	Life/injury risk percentage 1 >20%	SVI between 0.5-0.75 (moderate to high 4 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	Project will deliver a low level of environmenta I benefits (1 d category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0 9.	75 17.91	27.66 1:	86 27.51 185
123000043 12 Huebner Cr	eek Channelization (LWC #28)	San Antonio	Improve Low water crossing at Intersection of Huebner creek an Hollyhock road. Improve drainage upstream and downstream or crossing.	nd of LWC upgrade	\$8,371,000	3	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 0	0.00	1 0.57	0	0.00 3	0.30 0.201	0.20	No (0 10 <10		<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	Project will deliver a low level of environmenta I benefits (1 category)	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 3 the entire administrative area.	10 20:	75 1.22	21.97 3	18 21.82 304
123000044 12 Overbrook	Drainage Improvement Phase 1 & 2	San Antonio	Improve drainage system south of Overbrook Drive to contain 1 year storm event.	Storm Drain	\$30.842.000	160	83 2.14	51.9	5.2 83	1.09	341 4.85	0	0.00 0	0.00	1 0.57	o	0.00 3	0.30 0.301	0.30	No () 0 <10		<25% of project community 4 affected	Life/injury risk percentage 1 >30%	SVI between 0.75-1.00 (high 6 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	Project will deliver a low level of environmenta I benefits (1 4 catexory)	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 3 the entire administrative area.	10 17	25 14.74	31.99	93 31.84 93
Abbott Roa 123000053 12 Bridge	d at Tributary A to Salitrillo Creek and at Salitrillo Creel	Besar County	This project will provide 50-year conveyance design, removing structures from the existing floodplain. Proposed improvementation condist of channel regarding, increasing the road elevation, upgrading culverts, and adding a bridge.	s LWC upgrade	\$5,468,000	0	0 0.00	0.0	0.0 0	0.00	0 0.00	0	0.00 1	1.69	1 0.57	ō	0.00 3	0.30 0.050	0.05	No (Less tha		<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 3 restricted access in local areas.	7	16 2.54	18.54 3:	36 18.39 389
123000054 12 Abbott Roa	d at Unnamed Tributary 1 to Salitrillo Creek LWC nt	Bexar County	This project will provide 100 year conveyance design, removing structures from the existing floodplain. Proposed improvements condict of channel regrading and culvert upgrades.	LWC upgrade	\$740,000	0	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00 1	1.69	1 0.57	0	0.00 3	0.30 0.30	0.30	No (Less tha		<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 15.	25 3.16	18.41 3:	96 18.25 393
123000055 12 Bexar Bowli	ing Wav at Cibolo Creek Bridge	Bexar County, Guadaluse County	This project will provide 100 year conveyance design, removing structures from the existing floodplain. Proposed improvement- consist of channel regrading. In creasing the road elevation, and adding a bridge.	s	\$13.252.000	0	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00 1	1.69	1 0.57	0	0.00 3	0.30 0.010	0.01	No 6	Less tha	n the	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 3 restricted access in local areas.	7	17 2.44	19.44 3	63 19.29 359
123000056 12 Damage Ce	nter 1: Project 1A, B, C	Floresville	Detention pond, channel improvements, and additional culvertains 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.	ts ng n Detention Pond	\$4,309,000	38	10 1.26	26.3	2.6 6	0.53	58 3.53	1	1.06 1	1.69	1 0.57	0	0.00 10	1.00 0.300	0.30	No 6	Less tha 0 0 50 year		<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in 3 wider benefit 10 categories	Project will deliver a moderate level of environmenta I benefits (2-3 7 categories)	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 6 restricted access in local areas.	7 14.	25 12.52	26.77 21	02 26.27 207
123000057 12 Felix Road :	at Dry Hollow Creek Barrier Arms	Bexar County, Wilson County	The proposed improvements consist of adding flashing lights an automatic barrier arm on each side of the LWC that will be lowered when the road is overtopped.	LWC upgrade	\$164,000	o	0 0.00	0.0	0.0	0.00	0 0.00	0	0.00	0.00	0.00	0	0.00 0	0.00 0.170	0.17	No 6	Less tha	n the	<25% of project community 8 affected	Life/injury risk percentage 1 >40%	SVI between 0.25-0.5 (low to moderate 8 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 l benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 10:	75 0.43	11.18 5	31 11.18 517

Draft deliverative prepared for 2024

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Draft Ranked List of Flood Milligation Projects

FMP ID Region FMP Name Number	Sponsor	FMP Description	FMPType	Estimated Project Cost Risk	ctures at k Raw Structur	ed (Weighted) Removed	Percent of structures removed (Calculated)	ghted, ent of ctures ved (0- Raw	es ArcSinh (Weighted) Res Structures Removed	Removed Pop Raw Remove Populati	n d) Removed Crit d Fac Raw	ArcSinh (Weighted) F Removed Crit facilities	ArcSinh temoved (Weighter WC Raw Remover LWC	Removed Road Miles	ArcSinh (Weighted) Ag Removed	Removed Raw ArcSinh (Weighted Ag Remove	% Nature- No Based Raw	6 NBS, rmalized BCA R (0-10)	aw BCA Score	Water Supply W	ater Supply FMP Typ Score Score	e Pre-Project Ave Depth	Score 1 Community Need	Score 2 Life and Safety	Score 6 Social Vulnerability	Score 8 Multiple Benefit	Score 10 Environment all Benefit Score	13 Mobility	Score 15 Project Details Weighted	Score Based on ArcSinh ArcSinh Normalized normalization	with Rank (with ArcSinh n of normalization of select criteria)	Pre RFI (OLD) Total Score Rank
		The proposed improvements consist of adding flashing lights and				Statutes	(Carcaste)	0)	Removed	Populati		Istinto											<25% of oppler	Life finium strik	SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	Project does not provide	Project provides no change to major, minor,	2.010	mponeo recora	, Janet Grand,	
123000058 12 Freudenburg Road at Salitrillo Creek Barrier Arms	Bexar County	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 0.00	0.0	0.0	0 0.00	0	0.00	0.00	0 0	.00 00.	0.00	0 0.	00 0	0.00 0.30	0.30000 0.3	IO No	0	Less than the 10 25 year	community 8 affected	percentage 1 >50%	to moderate 10 vulnerability)	benefit 4 category Project	environmenta 1 l benefits Project will	or emergency access routes in the project area.	0 11.79	5 0.75 1	.50 501	12.50 482
122000059 12 Gass Road at Culebra Creek Tributany D Bridee	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 uperade	\$3.898.000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0.00	0 0	.00 0	0.00	0 0.	00 3	0.30 1.70	20000 1.7	10 No	0	Less than the 10 10 year	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	delivers benefits in only 1 wider benefit 1 category	deliver a low level of environmenta I benefits (1 1 catezory)	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 14.5	5 4.40 1	8.90 380	0 18.75 371
	Bexar County,	The proposed improvements consist of adding flashing lights an automatic barrier arm on each side of the LWC that will be	d																			Less than the	<25% of project community	Life/înjury risk percentage	SVI between 0.01-0.25 (low	Project delivers benefits in only 1 wider benefit	Project does not provide any	Project provides no change to major, minor, or emergency access routes in the project				
122000061 12 Ullrich Road at Cibolo Creek Barrier Arms	Guadalupe County	lowered when the road is overtopped.	LWC upgrade	\$244,000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0.00	0 0	.00 0.	0.00	0 0.	00 0	0.00 0.05	0.0	IS No	0	10 10 year	10 affected	1 >50%	10 vulnerability) SVI between 0.5-0.75	1 category Project delivers	1 benefits Project does not provide	O area.	0 11.25	5 0.13 1	.38 529	11.38 512
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 condition floodplain extents through demolition or relocation.	Property Acquisition	\$591,000	3	3 0.76	100.0	10.0	0 0.00	0	0.00	0.00	0 0	.00 0	0.00	0 0.	00 0	0.00 1.40	20000 1.4	IO No	0	Less than the 0 100 year	project community 6 affected	Life/injury risk percentage 1 >30%	(moderate to high 6 vulnerability)	benefits in only 1 wider benefit 7 category	any environmenta 1 l benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 10.29	5 14.26 2	151 254	24.51 246
123000063 12 Athens Street South Drainage Inscrovements	Castroville	The Athens Street South drainage improvements intend to reduc the 100-year storm event inundation boundary. Improvements include a storm drain and inlet collection system and full-depth roadwave reconstruction with a curb and auther street section.		\$19.021.000	82	49 1.92	59.8	6.0	46 0.96	133	4.15 0	0.00	0 0	.00 2	0.94	0 0.	00 0	0.00 0.31	00000 0.3	11 No	o	Less than the 0 2 year	<25% of project community 6 affected	Life/injury risk percentage 1 >20%	SVI between 0.25-0.5 (low to moderate 4 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 11.25	5 14.72 2	5.97 220	.0 25.97 218
		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																					<25% of project	Life/injury risk	SVI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	Project does not provide any	Project will protect all major access routes in floodplain and all emergency service access.				
123000064 12 torenso Street North Drainage Improvements	Castroville	and full-depth roadway reconstruction with a curb and gutter street section.	Storm Drain	\$11,647,000	66	38 1.81	57.6	5.8	23 0.82	67	3.64 0	0.00	0 0	.00 1	0.57	0 0.	00 0	0.00 0.42	0.4	IZ No	0	Less than the 0 2 year	community 6 affected	percentage 1 <20%	to moderate 2 vulnerability)	benefit 4 category Project delivers	environmenta 1 benefits Project does	Minor access routes are still flooded or have 0 restricted access in local areas.	7 10.25	5 13.65	.90 270	23.90 260
123000065 12 Naples Street North Drainage Improvements	Castroville	The North Naples Street drainage improvements intend to reduc 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.		\$22,704,000	114	58 1.99	50.9	5.1	45 0.96	130	4.13 0	0.00	0 0	.00 2	0.94	0 0.	00 0	0.00 0.36	00000 0.3	6 No	0	Less than the 0 2 year	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	benefits in only 1 wider benefit 4 category	not provide any environmenta 1 benefits	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 10.29	5 14.01 2	1.26 261	1 24.26 253
	Name of Samuel	Upgrade CR 294 to include new bridge structure with roadway and channel improvements for 100 year roadway access	LWC upgrade	67477000			0.0								0.53	47700000		0.50 0.30				Less than the	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	Project delivers benefits in only 1 wider benefit	deliver a moderate level of environmenta il benefits (2-3	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 6 be restricted in some area.				
123000066 12 CR 294 Drainage Improvements at Dry Ecleto Creek	Kames County	and channel amprovements for 200 year roadway access	LWC upgrade	\$7,178,000		0 000	0.0		0.00						0.57	15000008	00 3	0.30	0.3	S NO	·	10 2-year	<25% of	1 750%	SVI between 0.5-0.75	Project delivers benefits in	1 categories) Project will deliver a moderate level of	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 14.75	5 3.34 1	104	17.64 397
123000067 12 CR 302 Drainage Improvements at Edeto Creek	Kames County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC upgrade	\$15,261,000	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0.00	1 1	.69 1	0.57 0.	230000004 0.	12 5	0.50 0.70	20000 0.7	O No	0	Less than the 10 2-year	project community 10 affected	percentage 1 >50%	(moderate to high 10 vulnerability)	only 1 wider benefit 7 category Project	l benefits (2-3 1 categories) Project will deliver a	many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas Project will protect some major access routes	4 17.79	5 4.38 2	.13 314	21.89 303
123000068 12 CR 262 Drainage Improvements at Edeto Creek	Karnes County	Upgrade CR 262 to include roadway elevation, bridge expansion, and channel improvements	1, LWC upgrade	\$11,242,400	4	0 0.00	0.0	0.0	0 0.00	0	0.00	0.00	0 0	.00 1	0.57	0.01 0.	01 5	0.50 0.10	00000 0.1	O No	0	Less than the 10 2-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	delivers benefits in only 1 wider benefit 1 category	moderate level of environmenta I benefits (2-3 1 categories)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas	4 14.79	5 1.08 1	5.83 447	7 15.58 440
		Elevate CR 337 and CR 326 and upgrade low water crossings to include box culverts and channel improvements. Channel																				Less than the	<25% of project community	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project will deliver a moderate level of environmenta I benefits (2-3	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				
123000069 12 Oralnage Improvements at CR 337 and CR 326 Near City of Runge	Kames County	Improvements along CR 337 to improve level of service	Comprehensive	\$6,773,000	1	1 0.37	200.0	10.0	0 0.00	0	0.00	0.00	2 2	.77 1	0.57 0.	839999986 0.	42 5	0.50 0.00	0.000	IO No	0	2 2-year	10 affected	1 >50%	5VI between 0.5-0.75	7 category Project delivers benefits in only 1 wider	1 categories) Project will deliver a moderate level of	6 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 17.75	5 14.38 3	.13 92	31.88 92
123000070 12 CR 336 Drainage Improvements at Edeto Creek Tributary	Kames 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 0.00	0.0	0.0	0 0.00	0	0.00	0.00	1 1	.69 1	0.57 0.	07999998 0.	04 5	0.50 0.00	0.0	10 No	0	Less than the 10 2-year	project community 8 affected	Life/injury risk percentage 1 >50%	(moderate to high 10 vulnerability)	only 1 wider benefit 7 category	environmenta I benefits (2-3 1 categories) Project will deliver a	many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas Project will protect some major access routes	4 16.79	5 2.55 1	.30 367	/ 19.06 365
123000071 12 CR 331 Drainate Improvements at Escondido Creek	Kames County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC uperade	\$4.865.554	0	0 0.00	0.0	0.0	0 0.00	0	3.00 0	0.00	0 0	.00 1	0.57	0 0.	00 5	0.50 0.40	20000 0.4	10 No	0	Less than the 10 2-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	delivers benefits in only 1 wider benefit 7 category	moderate level of environmenta I benefits (2-3 1 catezories)	in floodplain and the majority (>50%) of 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	5 1.82 1	9.57 359	9 19.33 357
		Upgrade 5th Street culvert with additional boxes, roadway elevation, and channel modifications. Additional channel modifications through Kenedy to improve conveyance and reduced to the control of the c	ire																			75.uear	<25% of project community	Life/injury risk	SVI between Q.5-Q.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project will deliver a moderate level of environmenta I henefits (2-3	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 reservices acress may				
123000072 12 City of Kenedy Drainage Improvements on Escondido Creek	Kames County	flooding of structures.	Comprehensive	\$33,317,000	78	56 1.98	71.8	7.2	54 1.00	113	4.03 0	0.00	2 2	.77 1	0.57	0 0.	00 5	0.50 0.10	0.1	0 No	o	2	10 affected	1 >50%	10 vulnerability) SVI between 0.5-0.75	7 category Project delivers	1 categories) Project will deliver a moderate level of	Project will protect some major access routes in floodplain and the majority (>50%) of	4 17.75	5 18.02 3	.77 58	58 35.52 56
123000073 12 CR 127 Grainage Improvements at Hondo Creek	Kames County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC upgrade	\$8,992,000	2	0 0.00	0.0	0.0	0 0.00	0	0.00 0	0.00	1 1	.69 1	0.57 0.	400000006 0.	21 5	0.50 0.20	20000 0.2	O No	0	Less than the 10 2-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	(moderate to high 10 vulnerability)	benefits in only 1 wider benefit 7 category	environmenta I benefits (2-3 1 categories)	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas	4 17.79	5 3.22 2	1.97 336	16 20.72 331
123,000,074 12 CR 145 Drainage Improvements at Hondo Creek	Kames County	Upgrade existing low water crossing to include roadway elevation, a new bridge structure, and channel improvements	LWC uperade	\$3.688.372	o	0 0.00	0.0	0.0	0 0.00	o	2.00 0	0.00	0 0	.00 1	0.57	0 0.	00 5	0.50 0.30	00000 0.3	10 No	o	Less than the 10 2-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a moderate level of environmenta i benefits (2-3 1 categories)	Project will protect some major access routes in floodplain and the majority (>50%) of 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	5 1.57 1	9.32 366	56 19.08 363
																							<25% of project community	Life/înjury risk	SVI between 0.75-1.00	Project delivers benefits in only 1 wider	Project will deliver a moderate level of environmenta	Project will protect some major access routes in floodplain and the majority (50%) of emergency service access. Some major and many minor access routes will remain				
CR 354 Drainage Improvements at Lower San Antonio Tributary 12 347	Kames County	Elevate roadway and upgrade existing culvert structure with a new bridge structure and channel improvements	LWC upgrade	\$6,467,859	0	0 0.00	0.0	0.0	0 0.00	0	0.00	0.00	1 1	.69 1	0.57 0.	439999998 0.	23 5	0.50 0.00	0.0	IO No	0	2-year 10	community 8 affected	percentage 1 >20%	(high 4 vulnerability)	benefit 10 category	l benefits (2-3 1 categories) Project will deliver a moderate	flooded, and emergency services access may 6 be restricted in some areas Project will protect some major access routes in floodplain and the majority (250%) of	4 15.25	5 2.74 1	.99 407	77 17.74 400
123000076 12 US 181 Drainage Improvements at Marcelinas Creek Trib	Karnes County	Upgrade US HWY 181 culvert crossing to include additional boxe and channel improvements to mitigate residential flooding sout of the highway	es th Comprehensive	\$2,465,200	3	2 0.60	66.7	6.7	2 0.31	1	0.65 0	0.00	0 0	.00 0	0.00 0.	090000004 0.	05 5	0.50 0.10	30000 0.1	.0 No	o	Unknown 2	<25% of project community 10 affected	Life/injury risk percentage 1 >30%	SVI between 0.01-0.25 (low 6 vulnerability)	Project does not deliver any wider 1 benefits	deliver a moderate level of environmenta I benefits (2-3 categories)	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 12.5	5 8.78 2	1.28 330	0 21.03 325
		Upgrade Escondido Street crossing with an additional box and																				Less than the	<25% of project community	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	deliver a moderate level of environmenta I benefits (2-3	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				
123000077 12 Nichols Creek Tributary 2 Orsinaee Improvements	Kames County	uodream channel improvements	LWCuperade	\$1.651.000	2	1 0.37	50.0	5.0	0.00	3	0	0.00	0 0	1	0.57	0 0.	5	0.50 1.60	.0000 1.6	100	o	10 2-wear	8 affected <25% of	1)>50%	SVI between 0.5-0.75	Project delivers benefits in only 1 wider benefit	1 categoriesi Project will deliver a moderate level of	6 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 16.79	3 11.54	25 172	28.05 171
123000078 12 Nichols Creek Tributary 4 Drainage Improvements	Kames County	Channel Improvements upstream (eart) of Excondido Street; lower existing pond bottom at Kenedy Retreat Apartments to increase capacity	LWC upgrade	\$1,441,000	4	0 0.00	0.0	0.0	0 0.00	0	2.00 0	0.00	1 1	.69 1	0.57	0 0.	00 5	0.50 1.80	00000 1.8	00 No	o	2-year 10	project community 8 affected	Life/injury risk percentage 1 >50%	(moderate to high 10 vulnerability)	7 category Project	environmenta I benefits (2-3 1 categories) Project will deliver a	many minor access routes will remain flooded, and emergency services access may be restricted in some areas Project will protect some major access routes	4 16.73	5 7.01 2	.76 273	23.51 268
123000079 12 CR 325 Drainage Improvements at Ojo De Agua Creek	Karnes County	Upgrade CR 325 crossing with roadway elevation, bridge structur upgrades, and channel improvements	LWC upgrade	\$2,007,000	0	0 0.00	0.0	0.0	0 0.00	0	2.00 0	0.00	1 1	.69 1	0.57	0 0.	00 5	0.50 0.00	0.0000	IO No	0	Less than the 10 100-year	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	delivers benefits in only 1 wider benefit 7 category	moderate level of environmenta I benefits (2-3 1 categories)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 6 be restricted in some areas	4 17.79	5 2.51 2	0.26 346	6 20.01 340

Draft Ranked List of Flood Miligation Projects

FMP ID Re	ngion FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Cost	t Structures at Risk Raw R:	ArcSinh (Weighted) Removed aw Structures	Percent of structures removed (Calculated)	eighted, ercent of Structures Removed (0-10) Raw	ArcSinh (Weighted) Res Structures Removed	noved Pop (Weighted) Raw Removed Population	Removed Crit Fac Raw	ArcSinh (Weighted) Res Removed Crit LW facilities	ArcSinh moved (Weighted C Raw Removed LWC	Removed Road Miles Raw Ro	ArcSinh Veighted) Ag Rer semoved Ra pad Miles	moved (Weighted) Ag Removed	% Nature- Based Raw (0-3	S, lized BCA Raw	BCA Score Water S	Supply Water Sup sw Score	oply FMP Type P	Pre-Project Ave Depth Score	1 Community Sco	re 2 Life and So	ore 6 Social Vulnerability Sc	core 8 Multiple Benefit	Score 10 Environment al Benefit Scor	e 13 Mobility	Score 15 Project Details Weighted Not Score Repor	e Based on Total Score (with ArcSinh ArcSinh normalized red Factors select criteria)	Rank (with ArcSinh normalization of select criteria)	RRI (OLD) Pre RFI (OLD) stal Score Rank
			Elevate roadway and upgrade existing culvert structure to included	io.					10) Kaw	Removed												le	ess than the	<25% of project community	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project will deliver a moderate level of environmenta I benefits (2-3	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				
123000080	CR 163 Drainage Improvements at Panther Creek Iourdanton Drainage and Regional Detention Improvements, fro SH-16 to Marion Road	Kames County		LWC upgrade	\$3,218,400 \$2,182,000	0 0	0 0.00	0.0	0.0	0 0.00	0 0.0	35 0	0.00	0 0	77 0	0.57	0 0.00	30.00000191	3.00 0.2000000	0.20 No			year	<25% of project community 6 affected	1 >50% Life/injury risk percentage	5VI between 0.75-1.00 (high	7 category Project delivers benefits in only 1 wider benefit 10 category	1 categories) Project does not provide any environmenta 1 benefits	6 be restricted in some areas Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have or restricted access in local areas.	4 17.75	1.32 19.07	376	18.83 369
133000006	Rutledge Hollow Creek Tributary Regional Detention Pond Is 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 outset pipe is 24-inch diameter and it connects the pond to the Rutledge Hollow Creek tributary by passing under Avenue Cr		\$1,095,000	0 438	17 1 48	39	04	4 071	72 3.6	69 0	0.00		m) 0	0.00	0 000	10	1.00 3.8000000	3.80 No.		0 0<	100	50%-75% of project community 8 affected	Life/injury risk percentage 7 >40%	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 l'benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some area.	4 18.75	16 27 35 02	8	34.57 64
133000007	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.	LWCupgrade	\$5,214,000	0 0	0 0.00	0.0	0.0	0 0.00	0 0.0	00 0	0.00	2 2	77. 0	0.00	0 0.00	5	0.50 0.2000000	0.20 No		0 10 <1	100	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.75-1.00 (high 10 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 libenefits	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 0 the entire administrative area.	10 20.75	3.52 24.27	260	24.02 258
13300008	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	0 49	25 1.64	51.0	5.1	4 0.83	82 3.7	79 0	0.00	0 0	00 1	0.57	0 0.00	5	0.50 0.8000000	0.80 No		0 0 < 1	100	<25% of project community 10 affected	Life/injury risk percentage 1 >50%	SVI between 0.75-1.00 (high 10 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 l benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 17.75	14.18 31.93	95	31.68 99
133000009	CR 1520 / Tehuacana Rd. Drainage Improvements (Frio County 13 Project #8)	Frio County	Drainage Study PS&E. Existing 36" CMP culvert lacks capacity to convey a 1 yr storm peak discharge across CR 1530. Proposed solution of 12 - 42" x 30" RCPs and raising the readway profile by approximately 1" in the structure vicinity.	LWC upgrade	\$875,000	0 0	0 0.00	0.0	0.0	0 0.00	0 0.0	00 0	0.00	0 0	00 0	0.00	0.00	0	0.00 4.3000002	4.30 No		0 10 <1	1	<25% of project community 8 affected	Life/injury risk percentage 1 >50%	SVI between 0.75-1.00 (high 10 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 libenefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some area.	4 16.75	10.75 27.50	190	27.50 186
133000010	13 FH#1.1: Regional detention pond in Davila Street Tributary	Pearsall	Regional detention pond in Davila Street Tributary.	Detention Pond	\$3,900,000	0 213	31 1.73	14.6	15 :	0 0.87	100 3.5	94 0	0.00	0 0	00 0	0.00	0.00	5	0.50 1.7000000	1.70 No		0 0 <1	100	<25% of project community 6 affected	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high 8 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 i benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain floodod, and emergency services access may O be restricted in some area.	4 14.75	12.49 27.24	195	27.00 196
133000011	HH2.1:Storm sower 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	0 213	1 0.37	0.5	0.0	1 0.19	3 1.3	35 0	0.00	0 0	0 0	0.00	0 0.00	0	0.00 0.1000000	0.10 No		0 0 <1	100	<25% of project community 6 affected	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high 8 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 14.75	2.21 16.96	431	16.95 420
133000012	13 FH#22: Detention ponds in the Pearsall High School Grounds	Pearsall	Detention conds in the Pearsall High School Grounds.	Detention Pond	\$1,200,000	0 213	8 1.16	3.8	0.4	7 0.56	31 3.0	07 0	0.00	0 0	00 0	0.00	0 0.00	10	1.00 0.5000000	0.50 No		0 0 <1	100	<25% of project community 6 affected	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high sulinerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 libenefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 14.75	6.92 21.67	323	21.17 322
133000013	FHE3.1: Channel lining and conveyance improvements along FM 1581	Pearsall	Channel lining and conveyance improvements along FM 1581.	Channel	\$2,300,000	0 213	2 0.60	0.9	0.1	1 0.19	13 2.4	42 0	0.00	0 0	0 0	0.00 0.045	909405 0.02	30.0000191	3.00 0.3000000	0.30 No		0 0 <1	100	<25% of project community 6 affected	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high 8 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category Project	Project does not provide any environmenta 1 l benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 14.75	5.58 20.33	344	18.85 368
133000014	Downtown Crystal City Regional Detention Fond Improvements	Crystal City	Two proposed detention ponds and a 24" outfall system was used to mitigate the flooding issues in downtown Crystal City	Detention Pond	\$2,909,000	0 279	94 2.19	33.7	3.4	3 1.11	289 4.3	73 0	0.00	0 0	0 0	0.00	0 0.00	10	1.00 8.1000004	8.10 No		0 0 <1	100	<25% of project community 6 affected	Life/injury risk percentage 1 >30%	SVI between 0.75-1.00 (high 6 vulnerability) SVI between	delivers benefits in only 1 wider benefit 10 category Project delivers	Project does not provide any environmenta 1 libenefits Project does	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 15.25	32.15 47.40	8	46.91 8
133000015	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	0 586	74 2.09	12.6	13	1.02	313 4.7	78 0	0.00	8 5	32 0	0.00	0 0.00	3	0.30 0.5000000	0.50 No		0 0 <1	100	25%-50% of project community 8 affected	Life/Injury risk percentage 4 >50%	0.5-0.75 (moderate to high 10 vulnerability) SVI between 0.5-0.75	benefits in only 1 wider benefit 7 category Project delivers benefits in	not provide any environmenta 1 l benefits Project does not provide	Project will protect all major access routes in floodplain and all emergency service access. Minor access routes are still flooded or have 0 restricted access in local areas.	7 18.25	15.89 34.14	70	33.99 69
133000016	13 Kinney St. Pump Station Inlet Modifications	Corpus Christi	It is recommended that modifications be made to increase the size and capatry of the links to the Klinney Street Pump Station to improve its hydraulic efficiency. Improve upstream drainage hydraulic sthroughout the basin. It proposed to wide the links or much a possible to reduce head proposed to wide the links or much a possible to reduce head	Infrastructure	\$499,000	0 63	0 0.00	0.0	0.0	0 0.00	0 0.0	00 0	0.00	0 0	0	0.00	0 0.00	o	0.00 0.0200000	0.02 No		0 0 < 1	100-Year	project community 6 affected <25% of project	Life/injury risk percentage 1 >50% Life/injury risk percentage	(moderate to high 10 vulnerability) SVI between 0.5-0.75 (moderate to	only 1 wider benefit 7 category Project delivers benefits in only 1 wider	environmenta I benefits Project does not provide any	Project provides no change to major, minor, or emergency access routes in the project 0 area. Project provides no change to major, minor, or emergency access routes in the project	0 12.25	0.05 12.30	503	12.43 483
133000017	13 Power St. Pump Station Improvements	Corpus Christi	loss at the Power Station Inlet. Excessive runoff passing over CO Rd 105 further inundates the town of Agua Dulce. Both detention and channel improvements.	Infrastructure	\$875,000	0 63	0 0.00	0.0	0.0	0 0.00	0.0	00 0	0.00	0 0	0	0.00	0 0.00	0	0.00 0.0100000	0.01 No		0 0<1	100-Year	5 affected >75% of project community affected (by	1 >50% Life/injury risk percentage	10 vulnerability) SVI between 0.5-0.75 (moderate to high	7 category Project delivers benefits in only 1 wider benefit	1 I benefits Project does not provide any environmenta	O area. Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	0 12.25	0.02 12.27	505	12.34 486
	33 Rick Area 06 - Agua Dulce	Agua Dulce	will be needed. Water backs up along several roadways and causes significant flooding in the area. Restricted flow at several structures within	Infrastructure	\$93,479,760	0 215	41 1.85	19.1	19	0.93	137 4.1	17 0	0.00	0 0	3	1.18 103.4	671936 2.81	15.00000095	150 0.0460000	0.05 No		0 0 < 1	100-Year	>75% of project community affected (by	10 >50% Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	7 category Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	O be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4 18.75	13.71 32.46	88	31.72 98
	33 Risk Area OS - Banquete	Banquete	the area causes overflow into Banquete Creek. Ponding at intersect of La Paloma and CR 18 and buried culvert at intersect of La Paloma and CR 33. At a culvert roosing with r		\$64,693,200	0 178	86 2.16	48.3	4.8	4 1.07	74 3.7	71 0	0.00	0 0	0	0.00 156.7	3.03	15.00000095	1.50 0.0700000	0.07 No		0 0<1	100-Year	25%-50% of project community	Life/injury risk percentage 4 >40%	5VI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	o be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emegency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4 18.75	15.73 34.48	66	33.73 70
	Risk Area 07 - La Palonna Ranch Risk Area 26 - Balchuck in & Diezer in	Essnop Corous Christi	connects La Paloma with FM 665. Many drainage issues from recent development and runoff from nearby dreams cause floodine in the residential areas.	Infrastructure	\$23,031,510 \$19.160.010	13	2 0.60	15.4	15	2 0.31	6 1.8	40	0.00			0.00 74.78	546906 2.64	15.0000095	1.50 0.0020000 1.50 0.0560000	0.00 No		0 083	100-Year	>75% of project community affected (by	Life/injury risk percentage 10 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	O be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may O be restricted in some areas	4 14.75	7.70 22.45	300	21.71 307
	13 Risk Area 27 - Nottingham Acres		Flows flooding Loxley Dr come from the open field W of the neighborhood and have limited existing drainage infrastructure. Runoff attempts to flow? but ponds up due to existing terain.		\$49,134,992	2 67	13 1.37	19.4	1.9	3 0.69	39 3.	24 0	0.00	0 0	00 0	0.00 59.66	348648 2.52	15.0000095	150 0.0320000	0.03 No		0 0<1	100-Year	>75% of project community affected (by 6 population)	Life/injury risk percentage 10 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 l'benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some area.	4 17.25	10.59 27.84	184	27.10 194
	13 Riok Area 28 - South Prairie Estates	Corpus Christi	S Prainie Rd and Rabbit run are inundated by runoff from surrounding areas.	Infrastructure	\$34,515,512	2 32	4 0.88	12.5	13	4 0.45	12 2.5	36 0	0.00	0 0	0 0	0.00 23.00	584412 2.02	15.0000095	150 0.0070000	0.01 No		0 0<1	100-Year	50%-75% of project community 6 affected	Life/injury risk percentage 7 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 15.75	7.73 23.48	220	22.73 282
	13 Risk Area 19 - Driscolli	Driscoll	Initially water flows from Driscoll from S to N, flowing into Petronial Creek. Petronial Creek eventually flows N to S through Driscoll. Petronia upits W around Driscoll and through Driscoll heading Cover Highway 77.	Infrastructure	\$73,965,664	4 311	70 2.07	22.5	23	12 0.94	406 4.5	98 0	0.00	0 0	00 1	0.57 34.22	998047 2.23	15.0000095	1.50 0.0320000	0.03 No		0 0<1	100-Year	>75% of project community affected (by 6 population)	Life/injury risk percentage 10 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 18.75	13.88 32.63	87	31.88 91
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	0 46	2 0.60	4.3	0.4	2 0.31	6 1.8	85 0	0.00	0 0	0	0.00 7.608	707428 1.44	5	0.50 0.0270000	0.03 No		0 0<1	100-Year	<25% of project community 6 affected	Life/injury risk percentage 1 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 l benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 12.75	4.96 17.71	412	17.46 405
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	0 69	29 1.70	42.0	42	9 0.87	87 3.8	83 0	0.00	0 0	00 0	0.00	0 0.00	15.0000095	150 0.0630000	0.06 No		0 0<1	100-Year	>75% of project community affected (by 6 population)	Life/injury risk percentage 10 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 lbenefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 18.75	11.51 30.26	131	29.52 136
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.	ly	\$33,392,340	0 51	6 1.04	11.8	12	6 0.53	18 2.6	66 0	0.00	0 0	00 0	0.00 51.73	093414 2.45	15.0000095	1.50 0.0220000	0.02 No		0 0 < 1	100-Year	>75% of project community affected (by 8 population)	Life/injury risk percentage 10 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 18.25	8.67 26.92	200	26.18 209
133000028	13 Risk Area 01 - Ranch and Cyndle Park	Robstown	Localized flooding begins in neighborhood and worsens as Quinta Creek flows through the low lying area the neighborhood sits in.	a Infrastructure	\$421,681,184	4 104	1 0.37	1.0	0.1	1 0.19	3 1.3	35 0	0.00	0 0	00 1	0.57 38.850	055923 2.30	10	1.00 0.0020000	0.00 No		0 0<1	100-Year	>75% of project community affected (by 8 population)	Life/injury risk percentage 10 >50%	SVI between 0.25-0.5 (low to moderate 10 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	Project does not provide any environmenta 1 i benefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 18.25	5.38 23.63	275	23.13 273

Draft deliverative prepared for 2024 March 2024

Draft Ranked List of Flood Mitigation Projects

FMP ID Region	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Str Cost St	ructures at Remo Structu	oved (Weighted) kures w ArcSinh (Weighted) Removed Structures	Percent of structures removed re	Veighted, Removes ercent of Structures moved (n.	Res (Weighted) Res Structures Removed	Removed Pop Raw Remo Popula	nh ted) Removed Cr wed Fac Raw	ArcSinh rit (Weighted) Removed Crit	Removed (Weight LWC Raw LWC	h Removed Road Miles	ArcSinh Weighted) Ag Removed	temoved (Weighted)	% Nature- 8 Assed Raw	IBS, alized BCA Raw	y BCA Score	Water Supply Water Suppl Raw Score	ly FMP Type I	Pre-Project Sco	ore 1 Community Need Sc	ore 2 Life and Safety S	Social Vulnerability	Score 8 Multiple Benefit	Score 10 Environment al Benefit Score	re 13 Mobility	Score 15 Project Details Weighted Score	Score Based on ArcSinh ArcSinh Normalized normalization	of normalization of	Pre RFI (OLD) Total Score Rank
			Once runoff clears, flow backwaters into neighborhood due to stream confluence and a downstream bridge acting as a choke				Structures	(Calculated)	10) Raw	Removed	Popula	tion	facilities	LWC		Road Miles			,					>75% of project community affected (by	Life/injury risk percentage	SVI between 0.25-0.5 (low to moderate	Project delivers benefits in only 1 wider benefit	Project does not provide any	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	Score	Reported Factors select criteria	a) select criteria)	
133000029 13	Risk Area (64 - Ranch Banquete	Robstown	point. Project consists of city wide drainage improvements to West, Eas and North sections of Robstown, to include regional detention	Infrastructure	\$55,453,800	95	17 1.4	17.9	18	17 0.75	51	3.44	0 0.00	0	0.00	0.00 7.0	49866199 1.4	0 10	1.00 0.02100	0.02	No	0 0<	100-Year	5 population) >75% of project community	10 >50% Life/injury risk	10 vulnerability) SVI between 0.75-1.00 (high	4 category Project delivers benefits in only 1 wider benefit	1 benefits Project does not provide any	O be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4 17.2	9.41 26	6 205	26.16 211
133000030 13	Robstown Various Drainage Improvements (FHER, 10, 12)	Robstown	and North sections of Robstown, to include regional detention facilities and channel / culvert improvements. Includes ditch improvements for Southwest Outfall and the Southaide Diversion, swale and culvert improvements on Black	Infrastructure	\$62,344,000	3643	9 1.2	0.2	0.0	4 0.45	62	3.58	6 2.99	0	0.00 11	2.01 3	8.952301 3.5	1 15.00000095	1.50 0.82400	0.82	No	0 0<	100-Year	affected (by 6 population) 50%-75% of	percentage 10 >50%	(high 10 vulnerability) 5VI between 0.25-0.5 (low	Project delivers benefits in only 1 wider	Project does not provide	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4 20.2	25 16.59 36	34 43	36.09 54
133000031 13	City of Greaory Citywide Stormwater Drainage Improvements	Greeory	Welder Street, and drainage improvements along HWY 181 Frontaze Rd. HWY 35. S. Greoorv. and FM 3284. Includes ditch regrading along Borden St, expansion of Peters	Infrastructure	\$25.079.000	470	31 1.7	6.6	0.7	30 0.87	100	3.94	9 3.47	0	0.00 3	1.18 24	.0028839 3.2	7 3	0.30 0.03700	0.04	No	0 0<	100-Year	community 6 affected <25% of	percentage 7 >50%	to moderate 10 vulnerability) SVI between 0.5-0.75	benefit 4 category Project delivers benefits in only 1 wider	environmenta 1 I benefits Project does not provide	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 15.7	75 15.36 31	11 117	30.97 111
133000033 13	Odem Citywide Stormwater Drainage Improvements	Odem	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	137	60 2.0:	43.8	4.4	59 1.02	187	4.40	0 0.00	0	0.00 2	0.94 13	.3219147 2.9	5 3	0.30 0.02700	0.03	No	0 0<	100-Year	project community 6 affected 25%-50% of	Life/injury risk percentage 1 >50%	(moderate to high 10 vulnerability)	only 1 wider benefit 7 category Project delivers benefits in	environmenta 1 I benefits Project does not provide	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 14.2	25 15.92 30	17 137	30.02 129
133000035 13	Citywide Stormwater Drainage Improvements - Sinton	Sinton	Includes drainage improvements for West Sinton, N Vineyard Av RR ditches, E Sinton St and S Bowie St, S Pirate Blvd, S Sodville Ave, and Rancho Chico.	Infrastructure	\$103,190,000	1266	398 2.8	31.4	3.1	360 1.40	1460	5.93	3 2.18	0	0.00 4	1.36 5.4	40640068 1.3	0 3	0.30 0.06900	0.07	No	0 0<	100-Year	project community 8 affected	Life/injury risk percentage 4 >50%	SVI between 0.75-1.00 (high 10 vulnerability) SVI between	only 1 wider benefit 10 category	any environmenta 1 benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 182	25 18.44 36	69 46	36.54 46
133000037 13	Citywide Stormwater Drainage Improvements - Taft	Taft	Ditch improvements along Compress Rd, Industrial St, and in Tall Southwest subdivision, pusined stormneaver on Reynolds Ave and Kirkpatrick St, new stormsewer on Gregory Ave, Pecan St, Walnut St, Ave A, Ave C, Harding St, and Victoria Ave. This project will provide 100-year conveyance design, removing.	d	\$32,942,000	848	115 2.21	13.6	1.4	102 1.13	436	5.03	0 0.00	0	0.00 1	0.57 23	1.8940735 3.2	4 3	0.30 0.08800	0.09	No	0 0<	100-Year	50%-75% of project community 6 affected	Life/injury risk percentage 7 >50%	SVI between 0.5-0.75 (moderate to high 10 vulnerability) SVI between 0.5-0.75	delivers benefits in only 1 wider benefit 7 category Project delivers benefits in	not provide any environmenta 1 i benefits Project does not provide	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect major and minor access prefer in floorfeld by a vegenerous router.	4 17.2	25 13.98 31	23 114	31.08 110
133000038 13	Old Frio City Road at North Prong Creek Bridge	Bexar County	tructures from the existing floodglain. 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 0.00		0.00	0 0.00	1	1.69 1	0.57	0 0.0	0 3	0.30 0.10000	0.10	No		iss than the Oyear	project community 6 affected	Life/injury risk percentage 1 >40%	(moderate to high 8 vulnerability)	only 1 wider benefit 7 category	any environmenta 1 l benefits Project will deliver a low level of	routes in Boodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to 0 the entire administrative area.	10 16.2	25 2.66 18	91 379	18.76 370
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 Pond	\$224,000	0	0 0.0	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00 0	0.00	0 0.0	0 0	0.00 0.00000	0.00	No	ch	20% annual hance 20% annual hance	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	5VI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	environmenta I benefits (benefits in only 1 1 category) Project will	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0 8:	1.5 0.00 8	50 561	8.50 550
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 cod estimates and entertiations available.	h Storm Drain	\$3.745.000	2	0 0.0	0.0	0.0	0 0.00	0	0.00	0 0.00	8	5.32 0	0.00	0 0.0	0 0	0.00 0.00000	0.00	No	o od	20% annual	<25% of project community 4 affected	Life/Injury risk percentage 1 < 20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability)	Project delivers benefits in only 1 wider benefit 4 category	deliver a low level of environmenta I benefits (benefits in only 1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0 61	.5 5.32 11	.82 516	11.82 498
			Add flood gates to roadways at 4 LWCs on Alamito Creek, and a																								Project delivers	Project does	Project will protect some maj. access rts. in FP & the majority (>50%) of em. svc. access.				
143000007 14	Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	Marfa city	monitoring gage/early detection on North Alamito Creek at Hay 17 Bridge uptramn of Marfa. This provides early writing for Emergency Management to deploy before imminent road flooding.	Preparedness	\$358,000	0	0 0.0	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0.00	0 0.0	0 0	0.00 0.00000	0.00	No	0 4 di	20% annual nance	10 <null></null>	Life/injury risk percentage 0 >50%	SVI between 0.01-0.25 (low 10 vulnerability)	delivers benefits in only 1 wider benefit 1 category	not provide any environmenta 1 i benefits	Some maj. & many min. access rts. will remain flooded, & emer s.vc. access may be restricted in some areas (i.e. >50% of FP by 0 area inaccessible).	4 12.7	75 0.00 12	75 494	12.75 479
142000000	Develop and Implement Floodplain Ordinance to Regulate	Hudspeth County	Coordinate with Hudspeth County Commissioners, Road & Bridg Departments, Safety & Inspection Departments, & County Attorney to Graft a floodplain ordinance (or modify existing subdivision ordinance) to regulate development standards in Mudroshit County.	ge Other	620,000	922			9.0	0 000		000	0 000		0.00	0.00			0.00 0.00000	200	No		nknawa	O. Mullis	O chiulis	SVI between 0.5-0.75 (moderate to high	Not applicable, non- structural FMP	deliver a moderate level of environmenta I benefits (benefits in 2-	5 cm c		5 000 5	.00 501	5 00 594
14300009	Development at Hudspeth County	nauspeut County	Hudspeth County.	Odler	330,000	823	0.00	0.0	us	0 0.00	· ·	0.00	0.00	0	5.00	0.00	0 00		0.000		NO	0 00	nxnown	<25% of	O SNUID	SVI between	7 (regulatory) Project delivers benefits in	O 3 categories) Project will deliver a moderate level of environmenta	6 Mary	0	3 000 3	591	3.00
143000011 14	SSA4	El Paso County	Detention Basin SSA4	Detention Pond	\$14.744.000	185	99 2.2	53.5	5.4	74 1.07	299	4.75	0 0.00	0	0.00	0.00 3	99000001 1.1	0 0	0.00 0.10000	0.10	No	0 0 dr	1% annual nance	project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 0 vulnerability)	delivers benefits in only 1 wider benefit 10 category	l benefits (benefits in 2- 1 3 categories) Project will deliver a	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 9.2	25 14.74 23	39 266	22.88 280
143000021 14	3004	El Paso County, EPCWID1	Sediment/Detention Basin at "Mankato Arroyo"	Detention Pond	\$2,383,000	10	10 1.2	100.0	10.0	2 0.31	26	2.94	0 0.00	0	0.00	0.00 19	23999977 1.9	3 0	0.00 0.10000	000 0.10	No		1% annual hance	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 0 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	moderate level of environmenta I benefits (benefits in 2- 4 3 categories) Project will	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 6 the entire administrative area.	10 1:	15 16.68 31	.68 100	29.75 131
143000024 14		Clare Court	Forting of Change of Chang	Datasian Band	\$27,033,000	77.0				340						121			0.00 0.20000	220	M-	d	196 annual	<25% of project community 6 affected	Life/injury risk percentage	SVI between 0.5-0.75 (moderate to high	Project delivers benefits in only 1 wider benefit	deliver a low level of environmenta I benefits (benefits in only 1	Project provides no change to major, minor, or emergency access routes in the project			340	
14300024	7003	El Paso County	Securitaria (Michigan Bash)	Detertion Fond	327,033,000	730	32) 2.7.	43.3	*3	248 1.32	820	3.30	0.00		5.00	2.21	0 00		0.00	0.20	NO.	0	unce	<25% of	1 5,00%	SVI between	7 category Project delivers	1 category) Project will deliver a moderate level of environmenta	3 400.		0 10.30 24	3 149	29.33
143000025 14	насз	El Paso County	Sediment/Retention Basin	Detention Pond	\$4,619,000	10	10 1.2	100.0	10.0	6 0.53	23	2.85	0 0.00	0	0.00	0.00 43	18999863 2.3	5 0	0.00 0.00000	0.00	No	0 0 di	196 annual hance	project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 0 vulnerability) SVI between 0.75-1.00	benefits in 2 wider benefit 10 categories Project does not deliver	l benefits (benefits in 2- 2 3 categories) Project does not provide	Project provides no change to major, minor, or emergency access routes in the project 6 area. Project provides no change to major, minor,	0 8.	16.99 25	49 229	23.13 274
143000097 14	NW16	El Paso Water	Expand channel from Village Ct to Doniphan Dr	Channel	\$1,570,000	3	3 0.71	100.0	10.0	0 0.00	12	2.36	0 0.00	0	0.00	0.00	0 0.0	0 0	0.00 0.00000	0.00	No		196 annual hance	community 6 affected	percentage 1 <20%	(high (high 0 vulnerability)	any wider 10 benefits Project delivers	environmenta 0 I benefits Project will deliver a low level of environmenta	or emergency access routes in the project of area.	0 8:	15 13.12 21	52 325	21.62 312
143000100 14	NE38	El Paso Water	Alcan Pond: new catch basin to caoture FP15 upstream	Detention Pond	\$21,234,000	136	54 1.9	39.7	4.0	104 1.14	167	4.32	0 0.00	0	0.00 1	0.57	0 0.0	0 0	0.00 0.10000	0.10	No	0 0 dt	1% annual nance	<25% of project community 4 affected	Life/Injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 0 vulnerability)	benefits in only 1 wider benefit 10 category	l benefits (benefits in only 1 1 category) Project will deliver a	Project provides no change to major, minor, or emergency access routes in the project area.	0 8:	.5 12.21 X	71 340	20.71 332
143000105 14	EA10A	El Paso Water	Build sediment/detention basin upstream of Paseo del Este Drivi	e Detention Pond	\$9,647,000	17	1 0.3	5.9	0.6	1 0.19	3	1.35	0 0.00	0	0.00	0.00 29	15250015 2.1	5 0	0.00 0.00000	100 0.00	No	0 0 ch	1% annual nance	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 0 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	moderate level of environmenta I benefits (benefits in 2- 1 3 categories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0 8.7:	75 4.64 13	.39 491	11.25 516
			Construction of new larger capacity Doniphan Pump Station to replace PS1, with new force main directly to the 8io Grande. Install new action basin with mechanical bar screen upstream of																				1% annual	<25% of project	Life/injury risk percentage	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta i benefits (benefits in only 1	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				
143000111 14	NW3	El Paso Water	PS2.	Detention Pond	\$16,132,000	6	6 1.0	100.0	10.0	1 0.19	37	3.20	1 1.06	0	0.00 1	0.57	0 0.0	0 0	0.00 0.00000	0.00	No	0 0	ance	affected	1 <20%	O vulnerability)	10 category	1 category) Project will deliver a moderate level of	the entire administrative area. Project will protect major and minor access.	10 133	15 16.06 25	56 147	29.56 135
143000113 14	NW25	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	is. Detention Pond	\$35,568,000	6	0 0.0	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0.00	0 0.0	0 100	10.00 0.00000	0.00	No	0 0 dr	1% annual nance	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	5VI between 0.75-1.00 (high 0 vulnerability)	delivers benefits in only 1 wider benefit 10 category	environmenta I benefits (benefits in 2- 1 3 categories) Project will deliver a	routes in Boodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to 6 the entire administrative area.	10 14.2	25 5.00 15	25 371	14.30 465
143000116 14	EASA	El Paso Water	Build sediment/detention basin upstream of Paseo del Este Drive	e Detention Pond	\$11,897,000	17	13 1.3	76.5	7.6	2 0.31	282	4.71	0 0.00	1	1.69 1	0.57 89	23000336 2.7	4 0	0.00 0.00000	0.00	No	0 0 dd	196 annual nance	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	5VI between 0.5-0.75 (moderate to high 0 vulnerability)	Project delivers benefits in 2 wider benefit 7 categories	deliver a moderate level of environmenta i benefits (benefits in 2- 2 3 categories)	Project provides no change to major, minor, or emergency access routes in the project 6 area.	0	9 19.03 28	1.03 180	25.29 229

Draft deliverative prepared for 2024

Draft Randed List of Flood Milligation Projects

FMP ID Region Number	FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project	t Structures at Risk Raw St	Removed Structures Raw	ArcSinh Per (Weighted) stru Removed rei	cent of verighted, Percent of structures removed (0 10)	Removed Res Structures Removed Raw	ArcSinh (Weighted) Res Structures Removed	ArcSinh noved Pop (Weighted) Raw Removed Population	Removed Crit (W Fac Raw Rem	ArcSinh Weighted) Rer moved Crit LW	ArcSinh (Weighted) C Raw Removed	Removed Road Miles Raw Road	Sinh (hted) Ag Remo	wed ArcSinh (Weighted) Ag Removed	% Nature- Based Raw (0-10)	ed BCA Raw	BCA Score W	Fater Supply Water Supply FMP Ty Raw Score Score	pe Pre-Project Ave Depth	Score 1 Community Need	Score 2 Life and Safety	Score 6 Social Vulnerability	Score 8 Multiple Benefit	Score 10 Environment al Benefit Score 1	8 Mobility	Score 15 Project Details Weighter Score	Score Based on ArcSinh ArcSinh ArcSinh Inormalized Reported Factors	(with Rank (w h ArcSini ion of normalizati eria) select crib	ith h Pre RFI (OLD) Total Score	Pre RFI (OLD) Rank
143000117 14 (steway Ponds	El Paso Water	Acquire land, expand the existing detention basis north of 1.10. Construction of new larger capacity Pump Satton with capacity or 130 cfs in the north pond, with new force main directly to the Nio Grande.	of	\$108,224,88	88 206	206	2.52	100.0 10	.0 142	Removed	Population	7 0	0.00	0 0.0	Moad A	1.36	0 0.00	0	.00 0.0770000	0.08 N	2 0	<1% Annual 2 Chance	<25% of project community 6 affected	Life/injury risk percentrage 1 > 30%	SVI between 0.75-1.00 (high 6 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	4 «Null»	Project will protect major and minor access routes in floodplain and emergency service access to BMS, poile stations, and fire stations. Allows emergency services access to 0 the ontire administrative area.	10 17.	Reported Factors select cnt	select crit	36 38.35	34
143000118 14	NI.	El Paso County	Construction of a diversion channel and two combination of sediment/detention basin.	Comprehensive	\$59,386,49	96 431	392	2.79	91.0 9.	.1 302	1.37	879 5.5	5 0	0.00	0 0.0	8	1.80 0.07995	9998 0.04	0 (.00 0.1230000	0.12 N	o 0	2 Unknown	25%-50% of project community 4 affected	Life/injury risk percentrage 4 > 30%	SVI between 0.75:1.00 (high vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	4 «Null»	Project will protect some major access route in floodplain and the majority f-50/fl of emergency service access. Some major and many minior access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 3	5 20.96	35.96	56 35.96	55
143000119 14 (ty of Pecos	Pecos City, Lindsay CDI Reeves County; TxDOT	P: Retention Basin	Detention Pond	\$11,161,00	993	51	1.94	5.1 0.	5 0	0.00	144 4.2	L O	0.00	0 0.0	2	0.94 8.11995	9886 1.47	0 6	.00 0.1730000	0.17 N	0	<50% Annual 0 Chance	<25% of project community 6 affected	Life/injury risk percentage 1 >20%	SVI between 0.5 0.75 (moderate to high 4 vulnerability)	Project does not deliver any wider 7 benefits	O «Null»	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0	9 9.50	18.50	389 18.50	381
143000120 14 0	ty of Presidio	RGCOG, Presidio County; TXDOT; USIBWC; USACE	Retention & Detention Basin	Detention Pond	\$4,620,93	33 10	9	121	90.0 9.	.0 6	0.53	16 2.5	3 0	0.00	0 0.0	1	0.57	0 0.00	0 0	.00 0.0150000	0.01 N	0	<1% Annual 0 Chance	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	4 «Null»	Project will protect major and minor access routes in floodplain and emergency service access to BRN, police stations, and fire stations. Allows emergency services access to 0 the entire administrative area.	10 13	5 13.93	27.43	192 27.43	188
143000121 14 (allas Basin	El Paso Water	Acquire land, build new detention basin north of IH-10. Construction of new larger capacity Pump Station with capacity or 250 cls in the basin with new force main directly to the Rio Grande.	of Comprehensive	\$160,532,30	169	169	2.44	100.0 10.	0 111	1.15	3226 6.5	2 3	2.18	0 0.0	19	2.36	0 0.00	0 6	.00 0.0360000	0.04 N	0	<50% Annual 2 Chance	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	4 «Null»	Project will protect major and minor access routes in floodplain and emergency service access to BMS, police stations, and fire stations. And sweepens stations. Allows emergency services access to the entire administrative area.	10 14	5 24.74	39.24	31 39.24	31
143000122 14	a	El Paso Water, El Paso County	Sediment Retention Basin	Detention Pond	\$4,461,51	18 110	102	2.23	92.7 9.	3 90	1.11	349 4.8	7 0	0.00	0 0.0	2	0.94	0 0.00	0 (.00 0.3670000	0.37 N	0	<1% Annual O Chance	<25% of project community 4 affected	Life/injury risk percentage 1 > 20%	SVI between 0.5-0.75 (moderate to high 4 vulnerability)	Project delivers benefits in 2 wider benefit 2 categories	4 <null></null>	Project provides no change to major, minor, or emergency access routes in the project of area.	o	9 19.33	28.33	171 28.33	165
143000123 14 1	ça	El Paso Water	Construct a new 37.59 ac ft pond to relieve readway flooding on Mess Street.	Detention Pond	\$10.198.41	12 15	15	1.43	100.0 10.	.0 11	0.66	109 4.0	1	1.06	0 0.0	0	0.00	0 0.00	0 (.00 0.0430000	0.04 N	0	<1% Annual O Chance	<25% of project community 6 affected	Life/injury risk percentage 1 >50%	SVI between 0.75±.00 (high 10 vulnerability)	Project delivers benefits in 2 wider benefit 10 categories	Project will deliver a moderate level of environmenta i benefits (benefits in 2- 4 3 cateeories)	Project will protect major access route in floodplain and emergency service access to 6 EMS. police stations. and fire stations.	10 2	1 17.25	38.25	38 38.25	36
153000001 15 f	sk Area 6 Trib 2 bypass & detention at Eagle Pass High School Ids.	Los Fresnos	Project includes bypassing flow from Golfcrest Drive to the detection pond with 1-614*, RCB Modifying outfall structure from 2-500° RCB to 1-50° RCB, and Governing outside parabilified by 31 to provide an additional 30-30 CH Stratey.	m y Infirastructure	\$870,00	00 73	47	1.90	64.4 6.	A 0	0.00	141 4.1) o	0.00	0 0.0	0	0.00	0 0.00	0.10000001	.01 1.0800000	1.08 Ye	15	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 10	5 15.24	25.74	225 9.76	533
15300002 15 F	sk Area 2 Treasure Hills	Los Fresnos	Project includes constructing a 4' deep trappooldal concrete channel with it buttom width and 21 side slopes, from detention ond outfall to existing culverts.	n Infrastructure	\$1,078,00	00 24	22	1.59	91.7 9.	2 0	0.00	66 3.6	3 0	0.00	0 0.0	o	0.00	0 0.00	0.10000001	.01 0.4100000	0.41 Ye	ıs 1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefits (1 category)	Project will protect some major access route in floodplain and the majority (>50%) emijor and emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 10	5 15.41	25.91	222 18.52	380
153000003 15 8	sk Avea 15 Trilb 3 Detention at Main Street	Los Fresnos	Project includes constructing 10 acre detention poind (29 ac ft volume) along East Channel north of highway 277 and installing prevent more frequent stormwater from backing up into the neighbor.	Infrastructure	\$753,00	00 114	61	2.01	53.5 5.	4 0	0.00	183 4.3	3 O	0.00	0 0.0	0	0.00	0 0.00	0.10000001 (.01 1.6200000	1.62 Yo	15 1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4 10	5 15.80	26.30	212 17.64	402
153000004 15 F	sk Area 8 Tributary 2 channel widening near Alexander Drive	Los Fresnos	Project includes constructing a 3' deep trapezoidal channel with . 76' bottom width with 4.1 side dopes from Graves Elementary School to the confluence of existing Channels and constructing a 2' deep trapezoidal Channel with a 11' bottom width with 4.1	a Infrastructure	\$73,00	10 4	4	0.88	100.0 10.	.0 0	0.00	12 2.3	5 0	0.00	0 0.0	0	0.00	0 0.00	0.02999999 (.00 1.1000000	1.10 N	0	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 benefits	Project will protect some major access route in floodplain and the majority 'p-09% of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 9.7	5 15.99	25.74	224 34.76	63
	ton MDP - North inspiration Road and West St. Jude Avenue ternative 2	La Joya	Alternative 2, is designed to remove structures from the 25-year floodplain and more frequent dorms. This alternative consists of upstring the atorn drain under West St Jude Avenue. The trunk line will consist of 1,500 LF of a light P X SF refine line will consist of 1,500 LF of a light P X SF refine Atternative 3 is simply the buyout and removal of 23 properties on the north side of Buchanan from the 10-year floodplain. One	Infrastructure	\$2,443,16	50 102	30	1.72	29.4 2	9 0	0.00	90 3.8	5 0	0.00	0 0.0	o	0.00	0 0.00	0.10000001	.01 0.1000000	0.10 Ye	15 1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability) SVI between 0.75-1.00	Project delivers benefits in only 1 wider benefit 10 category Project delivers benefits in	Project does not provide any environmenta 1 i benefits Project will deliver a low level of	Project will protect some major access route in floodplain and the majority (-59%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may obe restricted in some areas. Project provides no change to major, minor,	4 9.7	S 8.77	18.52	388 39.21	32
153000006 15 /	ton MDP - West Mile 5 and South Glasszock Road Alternative 3	La Joya	aructures are removed, the vacant land can be excavated and used as a park/regional retention pond. Approximately 1 mile of proposed channel improvements. Proposed culvers. Proposed channel improvements. Proposed culvers. Proposed Detention Ponds with pond north of Mile 6.5 Rd. to collect numffrom the west and has an approximately form of 21 areas and conges quasting of 60 areas.	Infrastructure	\$1,442,00	30	13	1.37	43.3 4.	3 0	0.00	39 3.2	. 0	0.00	0 0.0	o	0.00	0 0.00	0.029999999 (.00 0.0800000	0.08 Ni	0	0 10	project community 2 affected <25% of project	percentage 1 <20%	(high 2 wulnerability) SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider	benefits (1 1 category) Project will deliver a low level of environmenta	or emergency access routes in the project area. Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may flooded. and emergency services access may	0 8	5 9.14	17.54	414 23.44	269
153000007 15 F	recinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.	Starr County	ft and will o Regional Detention Facilities with a pond footprint of 25 ares	Infrastructure	\$9,272,00	1032	36	2.16	8.3 0	.8 0	0.00	258 4.6	. 0	0.00	0 0.0	0	0.00	0 0.00	0.10000001	.01 1.7000000	1.70 Ye	1	0 5	community 2 affected <25% of project	percentage 1 <20% Life/injury risk	2 vulnerability) SVI between 0.5-0.75 (moderate to	Project delivers benefits in only 1 wider	I benefits (1 1 category) Project does not provide any	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4 10	5 11.89	22.39	305 22.54	287
153000008 15 F	ecinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.	Starr County	along the Existing MCDDI West Main Drain. Soom Drain and Loca Drainage Improvements. Channel maintenance. Channel improvements (Widening & Regozding) to Existing J OI Drain with approximately 1.5 miles of proposed improvements. Channel Improvements (Channel Maintenance & Thomline)	Infrastructure	\$10,459,50	336	54	1.96	16.1 1.	.6 0	0.00	162 4.3	0	0.00	0 0.0	0	0.00	0 0.00	0.10000001	.01 1.3000000	1.30 Ye	1	0 5	community 2 affected <25% of project	percentage 1 <20% Life/injury risk	high 2 wulnerability) SVI between 0.75-1.00	Project delivers benefits in only 1 wider	environmenta 1 ibenefits Project does not provide any	Booded, and emergency services access may be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency services access. Some major and many minor access routes will remain	4 82	5 11.12	19.37	365 22.61	283
	ecinct 4 MDP - Risk Area C at FM 2812 & FM 493 ecinct 4 MDP - Risk Area D at 5. McColl & Canton Rd.	Starr County Starr County	Regarding to Existing DA-1 Ext. Drain with approximately 0.4 miles of proposed Channel Improvements (Widening & Regarding) to Existing McKillen Lateral Retrit Main Drain with approximately 2.25 miles of proposed improvements from 5 McColl St. to State Highway 107. Crossings at W Canton Rd, W Freddy Gonzalez Dr., and 16 Sprague 3.	Infrastructure Infrastructure	\$6,807,12 \$3,097,00	20 388	122	1.85	5.5 0	.1 0	0.00	123 4.0 366 4.9	0	0.00	0 0.0	0	0.00	0 0.00	0.10000001	.01 0.400000	0.40 Ye	o 0	0 5	community 2 affected <25% of project community 2 affected	percentage 1 <20% Life/injury risk percentage 1 <20%	(high 2 vulnerability) SVI between 0.5-0.75 (moderate to high 2 vulnerability)	benefit 10 category Project delivers benefits in only 1 wider benefit 7 category	environmenta 1 i benefits Project does not provide any environmenta 1 i benefits	flooded, and emergency services access may obe restricted in some areas. Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and snany minor access route will remain flooded, and emergency services access smay of the project of the pr	4 9.7	S 8.00 S 11.75	17.75	411 48.85	271
153000011 15 F	recinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	Starr County	Channel Improvements with approximately 0.3 miles of propose improvements. Proposed detection pond north of Tex-Miss Rd. and east of \$5.97% St. has an approximate hostprint of 4.2% arces and capacity of 20 acre-ft. Grate Inlets and Proposed Storm Drain 5.		\$4,300,73	90 788	102	2.23	12.9 1	3 0	0.00	306 4.7	7 0	0.00	0 0.0	0	0.00	0 0.00	0.10000001 (.01 1.3000000	1.30 Ye	15 1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta lbenefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of 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	5 11.55	22.05	316 29.64	133
153000012 15 F	ecinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.	Starr County	Channel Improvements with appreciamately 0.6 miles of proposed mprovements. Grate Inlets and Proposed Storm Drain with grate Inlets in sag spaced along every 500° tying Into a 42° RCP along Ceser Chavez Road starting at Just south of Texas Rd to t.	d Infrastructure	\$4,721,50	1174	91	2.18	7.8 0	8 0	0.00	273 4.6	3. 0	0.00	0 0.0	0	0.00	0 0.00	0.02999999 (.00 2.4500000	2.45 N	0	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 i benefits	Project will protect some major access route in floodplain and the majority (>59%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas	4 9.7	5 13.77	23.52	278 21.25	320
153000013 15 F	ecinct 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 3242 and west of County Road 3421 has an approximate footprin of 5 acres and capacity of 35 are; 4f. Grate In	nt Infrastructure	\$5,231,13	0 223	10	1.26	4.5 0.	4 0	0.00	30 3.0	s o	0.00	0 0.0	0	0.00	0 0.00	0.10000001	.01 0.5000000	0.50 Ye	15 1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 10.	5 6.00	16.50	439 22.39	293

Dust Ranked List of Flood Mitigation Projects

FMP ID	Region FMP Name	Sponsor	FMP Description	FMPType	Estimated Project Cost	t Structures at Risk Raw	Removed tructures Raw Structu	nh Percent of ted) structures removed res (Calculated)	Weighted, Percent of structures removed (0-	emoved Res Structures Removed Raw ArcSinh (Weighte Res Structure Remove	Removed Pop	ArcSinh (Weighted) Removed Removed Fair Population	ArcSin oved Crit (Weight c Raw Removed facilitie	ih led) Removed I Crit LWC Raw	ArcSinh (Weighted) Removed LWC	temoved pad Miles Ram Road II	Sinh hted) Ag Remo oved Raw Miles	oved ArcSinh (Weighted) Ag Removed	% Nature- Based Raw	NBS, nalized BCA Rav	BCA Score Wi	ter Supply Wate Raw S	rr Supply FMP Type core Score	Pre-Project Ave Depth So	ore 1 Community Need	Score 2 Life and Safety	Social Vulnerabilit	Score 8 Multiple Benefit	Score 10 Em	fronment Benefit Score 13	Mobility :	Project S Details Weighted Score Ro	Normalized normaliz	re (with Rank (with inh ArcSinh normalization riteria)	n of Total Score	re RFI (OLD) Rank
153000014	15 Procinct 4 MOP - Risk Area I at Sharp Rd. & E Monte Cristo Rd	Starr County	inlets and proposed storm drain with Approximately 1,100° of 4°44° RS storm drain with cush inlets to be installed along Hendrin De and Goot or, with appointmently 1,000° of 646° RCI drom with grate and sag inlets along	B Infrastructure	\$5,174,170	0 390	79	2.12 20.	10)	Remove 0	.00 237	4.58	0	0.00	0 0.00	0	0.00	0.00	0.10000001	0.01 0.6300	00 0.63 Yes		1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	5VI between 0.75-1.00 (high 2 vulnerability	Project delivers benefits in only 1 wide benefit	deli leve env I be	ect will ver a low d of ironmenta nefits (1 sgory)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and flooded, and emergency services access may 3. be restricted in some areas.	4 10.5	10.30	20.80	339 19.37	356
153000015	15 Precinct 4 MOP - Risk Area J at 59107 & FM 907	Starr County	Channel Improvements (Widening & Regrading) to Existing HCDD1" drain with approximately 0.75 miles of proposed channel improvements beginning a Ferson for and ending at E curry with Proposed Drainage Grate Infect approximately 3,800° of John Mr.	d Infrastructure	\$3,116,000	0 295	58	1.99 19.	1.7 2.0	0 1	.00 174	4.35	0	0.00	0 0.00	0	0.00	0 0.00	0.10000001	0.01 1.0700	01 1.07 Yes		1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	5VI between 0.75-1.00 (high 2 vulnerability	Project delivers benefits in only 1 wide benefit 10 category	deli leve env I be	ect will ver a low il of ironmenta nefits (1 spory)	Project will protect some major access routes in floodplain and the majority (>50%) of emegency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 10.5	10.99	21.49	327 17.75	399
153000016	15 Alton MDP - West Mile S Road and Louisiana Street Alternative :	2 La Joya	Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 are feet of Vellumi is proposed to discovered the second of the	Infrastructure	\$1,866,360	0 35	0	0.00 0.	0.0	0 (.00 0	0.00	0	0.00	0.00	0	0.00	0 0.00	0.10000001	0.01 0.0000	00 0.00 Yes		1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability	Project delivers benefits in only 1 wide benefit	not any env	ect does provide ironmenta nefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 9.75	0.01	9.76	547 19.50	354
153000017	Wedaco Stormwater Improvement Plan - Mile 10 N and Mile 5 ½ 15 W	Combes	Construction of an B acre detention pond, with approximately 4,000 if of channel widening along the back of the neighborhoods and between the Justice Baul A. Gonzalez Bermentary School and Ioo Calvillo if Career & Technology (Education Complex: replacemen	Infrastructure	\$3,975,700	0 161	60	2.01 37.	.3 3.7	0 4	.00 180	4.37	0	0.00	0 0.00	0	0.00	0 0.00	0.100000001	0.01 0.4000	00 0.40 Yes		1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 > 20%	SVI between 0.75-1.00 (high 4 vulnerability	Project delivers benefits in only 1 wide benefits 10 category	deli leve env I be	ect will ver a low il of frommenta nefits (1 apriv)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4 115	11.11	22.61	292 22.05	301
153000018	Wedaro Stormwater Improvement Plan - Westgate Drive and 15 Sugar Care Drive	Combes	Construction of two detention ponds, 11 acres near Clerker-Heal Elementary School and 8 acres behind the commercial properties onth of Internative 2, approximately 4, 500 Er of channel widening connecting the two gonds, addition of a new 42-inch reinforc	8	\$9,936,170	0 510	136	2.35 26.	5.7 2.7	0 4	.00 408	4.98	0	0.00	0.00	0	0.00	0 0.00	0.10000001	0.01 0.3000	00 0.30 Yes		1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 < 20%	5VI between 0.75-1.00 (high 2 vulnerability	Project delivers benefits in only 1 wide benefit 10 category	env I be	ect will ver a low il of ironementa nefits (1 ggory)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4 10.5	10.75	21.25 3	332 23.52	267
153000019	15 Wedaco Stormwater Improvement Plan - West Wedaco	Combes	The project is located just west of Bonder Avenue, between US.83 and Zelma Street. Construction of three detention ponds, 18 acre sear of Vaughe had and Milduws Acid, 5 acre near West Endown Control of the Control of	es	\$37,305,800	0 1095	747	3.06 68.	1.2 6.8	0 1	.00 2241	6.25	0	0.00	0 0.00	0	0.00	0 0.00	0.10000001	0.01 0.4000	00 0.40 Yes		1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 >30%	SVI between 0.75-1.00 (high 6 vulnerability	Project delivers benefits in only 1 wide benefit 10 category	deli leve env I be	ect will ver a low il of ironmenta nefits (1	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in come areas. Project will protect some major access routes.	4 12.5	17.14	29.54	145 16.50	428
153000020	Wedaco Somwater Improvement Plan - Texas Boulevard to 15 Airport Drive, South of Business 83	Combes	Construction of a 5 are detention pond along Texas Boulevard, with approximately 1,400 If of channel widening along the back of the neighborhood, the replacement of 30 — Inch Louter crossing the irrigation canal with an 8' x 4' RCB, and replace	Infrastructure	\$1,585,580	0 144	139	2.36 96.	5.5 9.7	0 4	.00 417	5.00	0	0.00	0.00	0	0.00	0 0.00	0.10000001	0.01 2.5000	00 2.50 Yes		1	0 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability SVI between	delivers benefits in only 1 wide benefit 10 category Project delivers benefits in	er any env 1 l be	ect does provide ironmenta nefits ect does provide	in floodplain and the majority [5200] of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may to be restricted in some areas. Project will protect some major access routes in floodplain and the majority [5200] of emergency service access. Some major and	4 9.75	23.26	33.01	80 20.80	329
153000021	Wedaco Stormwater Improvement Plan - Plessantview Drive an 15 11th Street Wedaco Stormwater Improvement Plan - South International	d Combes	Installation of 3,220 Er of new storm drain system consisting of two – E' x 4" RCBs alone Mile 3 %. Replacement of 48 – inch culverts at two roadway crossings with	Infrastructure	\$4.775.000	0 222	101	2.22 45.	.5 4.5	0 (.00 303	4.76	0	0.00	0 0.00	0	0.00	0 0.00	0.029999999	0.00 0.5000			o	0 10	project community 2 affected <25% of project community	Life/injury risk percentage 1 <20% Life/injury risk percentage 1 <20%	0.75-1.00 (high 2 vulnerability SVI between 0.75-1.00 (high	only 1 wide benefit 10 category Project delivers benefits in only 1 wide benefit	er any env 1 l be Proj not er any env	ect does provide	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	4 9.75	12.79	22.54	295 21.49	314
153000022	15 Boulevard and Business 83 Wedaco Stormwater Improvement Plan South Texas Boulevard	Combes	gi a 4' RCBs. Construction of a 5 acre detention pond along Texas Boulevard, with approximately 1,400 If of channel widening along the back of the neighborhood, the replacement of 30 m link Links.	Infrastructure	\$93,808	8 129	93	2.19 72.	7.2	0 1	.00 279	4.70	0	0.00	0.00	0	0.00	0 0.00	0.029999999	0.00 15.6999	98 10.00 No		0	0 25	2 affected <25% of project community	1 <20% Life/injury risk percentage	2 vulnerability SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wide	Proj deli leve er env	ect will ver a low d of ironmenta nefits (1	De restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emeigency service access. Some major and many minor access routes will remain flooded, and emergency services access may flooded.	4 9.75	39.10	48.85	6 10.51	524
153000024	15 and East 18th Street 15 North Pharr Mitigation Project	Los Fresnos Valley MUD 2	crossing the irrigation canal with an 8" x 4" RCB, and replace Construct 3400 linear fact of channel improvements on the discharge from south to earth along North Fir Street and 2800. Inser feet of channel improvements on the Pharm Ackdelin Lateral Disch up to North I road. Install culvert improvements, 2 – 8.	Infrastructure	\$1,585,580	0 144	139	2.36 96. 3.11 23.	1.2 2.3	0 4	.00 417	5.00	0	0.00	0 0.00	0	0.00	0 0.00	0 0.100000001	0.01 2.5000	98 6.49 No		0	0 10	<25% of project community 4 affected	1 >20% Life/injury risk percentage 1 <20%	4 vulnerability SVI between 0.75-1.00 (high 2 vulnerability	Project delivers benefits in only 1 wide benefit 10 category	Proj not any env	ect does provide ironmenta nefits	3 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 10.75	23.26	39.21	32 25.91	219
153000025	15 Southwest Pharr Drainage Mitigation Project	Valley MUD 2	Contract four regional detention facilities (BDF), BDF 1 has a footpoint of 13.7%-cers and is a lateral detention facility located between Dictar and Thomas Read work of Highway 21 and Carmen Anaya Blementary, BDF 2 has a footprint of 7.4 acres	r Infrastructure	\$5,587,280	0 2613	187	2.48 7.	1.2 0.7	0 (.00 780	5.46	0	0.00	0 0.00	0	0.00	0 0.00	o o	0.00 1.3099	99 1.31 No		0	0 10	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability	Project delivers benefits in only 1 wide benefit 10 category	deli leve env I be	ect will ver a low il of ironmenta nefits (1 spory)	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4 11.5	11.94	23.44	281 25.74	223
153000026	15 Zacate Creek Channel Improvements	Laredo	Project includes channel improvements along Zacate Creek.	Infrastructure	\$700,000	0 0	0	0.00 0.	0.0	0 (.00 0	0.00	0	0.00	1 1.69	0	0.00	0.00	0.30000012	0.03 0.7000	00 0.70 No		0	0 25	<25% of project community 8 affected	Life/injury risk percentage 1 >30%	SVI between 0.75-1.00 (high 6 vulnerability	Project delivers benefits in only 1 wide benefit 10 category Project delivers	env 1 l be	ect does provide ironmenta nefits	Project will protect some major access routes in floodpial and the majority (>950%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas. Project will protect some major access routes in floodpial and the majority (>50%) of	4 14.75	3.45	18.20 4	403 25.74	222
153000027	15 NM-110	La Villa	Project includes an extension of 8'x4" R.EL updrawn to increase conveyance across McColl Bload A.R. replacing existing crossing at URINY (30-9 RCP), Mon Mad (18-in RCP), and Salver (36-in RCP into 7x4s RCB, 7x4" RCB and 2-36-in RCP, respectively.	P) Infrastructure	\$906,348	8 7	7	1.11 100.	.0 10.0	0 4	.00 100	3.94	0	0.00	0.00	0	0.00	0 0.00	0.30000012	0.03 0.7000	00 0.70 No		0	0 10	<25% of project community 2 affected <25% of project	Life/injury risk percentage 1 <20%	SVI between 0.25-0.5 (low to moderate 2 vulnerability SVI between 0.5-0.75 (moderate to	benefits in only 1 wide benefit 4 category Project delivers benefits in only 1 wide benefit	env 1 l be	provide ironmenta nefits ect does provide	emergency service access. Some major and many rimor access routes will remain flooded, and emergency services access may be restricted in rooma rease. Project will protect some major access routes in floodplain and the majority (>50%) of emergency services access may many minor access routes will remain flooded, and emergency services access. Some major and many minor access routes will remain flooded, and emergency services access some	4 6.75	16.81	23.56	276 31.47	102
153000028 153000029	15 NM-116	La Villa	Project includes replacing existing crossing at Wisconsin (2-36 in RCF) into Sys. RCB Project includes replacing existing crossing at Wisconsin (7-36* RCB), Alberta (8'r09' RCB), Utility (8'x7' RCB), Dove (7'x6' RCB), Violet (6'x7' RCB), Utility (8'x7' RCB), And Utility (8'x7' RCB), Violet (6'x7' RCB), Utility (8'x7' RCB), And Utility (8'x7')	Infrastructure	\$567.270 \$1,937,485	5 22	4	0.88 100) 1.59 100)	0.0 10.0 0.0 10.0	0 (.00 50	3.42	0	0.00	0 0.00	0	0.00	0 0.00	0.30000012	0.03 0.3000			0	0 10	community 4 affected <25% of project community 2 affected	percentage 1 <20% Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high	benefit 7 category Project delivers benefits in only 1 wide benefit 7 category	Proj not any env	ect does provide ironmenta nefits	flooded, and emergency services access may be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of 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	15.06	24.31 2	258 46.05 217 36.13	9
153000030	15 MM-113	La VIIIa	Replace 5' x # RCB along Jackson Road with 2 - 5'' x # RCB and replace the current 5' x 4'' RCB along the failmost with a new 5' x 4'' RCB. On Sugar Road increase the size of the culven 18'' RCB to 42'' RCB.	a Infrastructure	\$643,285	5 4	4	0.88 100	.0 10.0	0 4	.00 10	2.23	0	0.00	0 0.00	0	0.00	0 0.00	0.30000012	0.03 0.7000	00 0.70 No		o.	0 10	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability	Project delivers benefits in only 1 wide benefit 7 category Project	er any env 1 I be	ect does provide ironmenta nefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may be restricted in some areas Project will protect some major access routes	4 9.25	14.87	24.12	265 24.16	256
153000031	15 NM-105	La Villa	Project includes a lateral ditch with a 10-foot bottom width, 3.1 (ht/) jode dopes, and 8-foot depth, Also, replacing existing consciences MECRIGIGN BY REP, Inchested Mark (26) or RCP), and feeling 15-in RCP inch 5'SS' RCB, 6'SS' RCB and 48-in RCP. Project includes extending west with a 10-foot bottom width, 3.1	Infrastructure	\$912,279	9 137	103	2.23 75.	.2 7.5	0 (.00 350	4.87	0	0.00	0 0.00	0	0.00	0 0.00	0.30000012	0.03 4.69999	98 4.70 Yes		1	0 25	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability SVI between	delivers benefits in only 1 wide benefit 10 category Project delivers benefits in	not any env 1 lbe	ect does provide ironmenta nefits ect does provide	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 9.75	26.38	36.13	55 10.01	529
153000032	15 NM-106	La Villa Cameron County	[RH] yook slopes, and 8 food depth as well as replacing existing crossing at McColl [36-in RCP] and Access [36-in RCP] into 2:36-in RCP each. Project includes the addition of three 72" RCP barries to the existing structure at the railroand crossing, adjacent to Helen	Infrastructure	\$693,610	0 8	8	1.16 100.	10.0	0 4	.00 10	2.23	0	0.00	0.00	0	0.00	0 0.00	0.30000012	0.03 0.4000			0	0 10	project community 2 affected <25% of project community	Life/injury risk percentage 1 <20% Life/injury risk percentage	0.75-1.00 (high 2 vulnerability 5VI between 0.75-1.00 (high	only 1 wide benefit 10 category Project delivers benefits in only 1 wide benefit	er any env 1 lbe Proj not any env	ironmenta nefits ect does provide	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may flooded, and emergency services access may	4 9.75	14.41	24.16	264 21.10	324
153000034	15 Orain C-Bloths Culvert Improvements 15 Orain F-23 Culvert Improvements	Drainage District 3 Cameron County Drainage District 3	Moore Road. Project includes replacing 48" RCP at Williams Road with a 6'46'	Infrastructure	\$6.291.880 \$363,667	7 0	0	0.37 0.	0.5 0.1	0 0	.00 0	0.00	0	0.00	0 0.00	0	0.00	0 0.00	0 0.30000012	0.03 0.5000			0	0 10	5 affected <25% of project community 2 affected	1 > 20%	4 vulnerability SVI between 0.5-0.75 (moderate to high 2 vulnerability	10 category Project delivers benefits in only 1 wide benefit 7 category	Proj not any envi	ect does provide ironmenta nefits	Project will protect some major access routes in Some areas. Project will protect some major access routes in Broodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4 12.75	20.77	29.02	472 23.56 155 24.12	254
153000035	15 AM-103	La Villa	Replace culverts on Access Road and Monte Cristo with 10786* KCB and relaze 56° RCP on Rioger, Lettley. Canal and Russell with X KS RCB for Riogens. 6' x 6' RCB for Utility. Canal and 485° RCP fo Russell.	h ir Infrastructure	\$2,047,160	0 279	279	2.65 100	10.0	0 (.00 500	5.13	0	0.00	0 0.00	0	0.00	0.00	0.30000012	0.03 6.5999	99 6.60 No		0	0 10	<25% of project community 6 affected	Life/injury risk percentage 1 < 20%	SVI between 0.75-1.00 (high vulnerability	Project delivers benefits in only 1 wide benefit 10 category	not	ect does provide ironmenta nefits	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 11.75	34.30	46.05	10 26.04	216

Draft deliverative prepared for 2024 FIUP

Draft Randed List of Flood Militgation Projects

FMP ID Region Number	FMP Name	Sponsor	FMIP Description	FMP Type	Estimated Project Cost	Structures at Risk Raw Remov Structur Raw	red (Weighted) s Removed s Structures (C	Percent of structures removed rer	Veighted, Removed R Structures Removed (0-Raw	ArcSinh (Weighted) Res Structures Removed	emoved Pop Raw Ren Popi	Sinh ghted) Remove noved Fac R	ArcSinh ed Crit (Weighted) Re aw Removed Crit LV facilities	moved (Weig	cSinh ighted) noved WC	ved (Weighted) Removed Road Miles	Ag Removed Raw Ag Remo	h % Nature- ed) Based Raw	% NBS, Normalized BCA Ra (0-10)	w BCA Score	Nater Supply Water Raw Sc	Supply FMP Type ore Score	e Pre-Project Ave Depth Score 1	1 Community Need S	core 2 Life and Score Safety	Social Social Vulnerability	core 8 Multiple Benefit Sc	ore 10 Environment al Benefit S	ore 13 Mobility	Score 15 Projet Deta Weigh Score	ect Score Based on ills ArcSinh Normalized	normalization of norma	nk (with rcSinh Pre RFI (OL Ilization of Total Scor	.D) Pre RFI (OLD) re Rank
			Project includes expansion of HCDD1 Lull Drain and addition of				Structures (C	(Calculated)	10) Raw	Removed	Popi	alation	facilities	i.	wc	Road Miles								<25% of project	Life/injury risk	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project does not provide any	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	Scor	Reported Factors	select criteria) selec	t criteria)	
153000036 15	NM-102	La Villa	laterals NM-102-01, NM-102-02, and NM-102-03	Infrastructure	\$4,756,150	151	145 2.38	96.0	9.6	0 0.00	290	4.73	0 0.00	0	0.00	0 0.00	0	0.00 0.30000001	2 0.03 1.600	000 1.60 h	io	o	0 10	4 affected <25% of	percentage 1 <20%	2 vulnerability) SVI between	10 category Project delivers benefits in	1 libenefits Project does not provide	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 1	10.75 20.72	31.47	106 24	31 251
153000037 15	Orain 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	86	30 1.72	34.9	3.5	0 0.00	90	3.86	0 0.00	0	0.00	0 0.00	0	0.00 0.30000001	2 0.03 3.200	000 3.20 h	io	0	0 10	project community 8 affected	Life/injury risk percentage 1 >30%	0.75-1.00 (high 6 vulnerability)	only 1 wider benefit 10 category Project delivers	environmenta 1 benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of	4 1	14.75 17.08	31.83	96 7	.53 559
153000038 15	NM-108	La Villa	Replace 10' x 6' RCB with a 48" RCP along Jackson Road crossing to increase convevance of the ditch system.	to Comprehensive	\$4.689.680	o	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0	0.00 0.10000000	1 0.01 0.100	000 0.10 8	io	0	2 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	benefits in only 1 wider benefit 10 category	not provide any environmenta 1 l benefits	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4	9.75 0.26	10.01	544 19	.99 342
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	2 0.60	100.0	10.0	0 0.00	10	2.23	0 0.00	0	0.00	0 0.00	0	0.00 0.30000001	2 0.03 0.000	000 0.00	io	0	2 10	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	delivers benefits in only 1 wider benefit 7 category	Project does not provide any environmenta 1 benefits	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4	8.25 12.85	21.10	335 29	1.51 137
			Project includes channel improvements and the addition of																					<25% of project community	Life/injury risk percentage 1 > 20%	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may					
153000040 15	Ut RetireeHeaven S10th	McAllen	culverts east of W Military Highway.	Infrastructure	\$4,360,910	63	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0	0.00 0.30000001	2 0.03 0.700	0.70	io	0	0 10	<25% of project	1 >20%	4 vulnerability) SVI between 0.75-1.00	Project delivers benefits in only 1 wider	1 libenefits Project does not provide	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4 1	12.75 1.76	14.51	471 17	408
153000041 15	Alt West 107	McAllen	Project includes the addition of RCP and RCB structures to improve stormwater drainage along Brian and Stewart Road.	Comprehensive	\$18,678,150	54	0 0.00	0.0	0.0	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00	0	0.00 0.30000001	2 0.03 0.100	000 0.10	io	0	2 10	community 8 affected	percentage 1 >30%	(high 6 vulnerability)	benefit 10 category Project delivers	environmenta 1 l benefits Project does	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 1	14.75 0.27	15.02	460 18	66 376
153000042 15	2023 Band 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	91	12 1.33	13.2	13	0 0.00	36	3.18	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.300	000 0.30 6	io	o	0 10	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	benefits in only 1 wider benefit 10 category	not provide any environmenta 1 benefits	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 1	11.75 6.58	18.33	399 21	.27. 318
		Hidalgo County	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 2 which																					<25% of project	Life/injury risk percentage	5VI between 0.75-1.00	Project delivers benefits in only 1 wider	Project will deliver a low level of environmenta I benefits (1	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may					
153000043 15	2018 Bond Project 34 - South Lateral	Drainage District 1	resulted in a benefit cost ratio of 0.5.	Infrastructure	\$4,538,852	174	79 2.12	45.4	45	0 0.00	216	4.51	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.500	0.50	lo	0	0 10	6 affected	1 <20%	2 vulnerability)	10 category Project	1 category) Project will	be restricted in some areas Project will protect some major access routes	4	12.5 12.42	24.92	241 19	32 358
153000044 15	13th Street Regional Detention Facility	Harlingen	This project 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.	t Comprehensive	\$19,812,000	176	30 1.72	17.0	1.7	0 0.00	90	3.86	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.100	000 0.10 Y	'es	1	2 2	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category	deliver a low level of environmenta I benefits (1 1 category)	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4	12.5 7.53	20.03	349 30	20 124
																								<25% of project	Life/injury risk	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider	Project does not provide any	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain					
153000045 15	ord 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.	Comprehensive	\$13,092,000	25	8 1.16	32.0	3.2	0 0.00	24	2.88	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.000	000 0.00 Y	ies	1	2 2	community 6 affected	percentage 1 >20%	(high 4 vulnerability)	benefit 10 category	environmenta 1 l benefits	flooded, and emergency services access may 0 be restricted in some areas	4 1	12.75 7.24	19.99	351 21	34 316
153000046 15	System 23 Regional Detention Facility	Harlingen	The proposed project includes a S acres regional detention facility in the Harlingen Heights area.	y Comprehensive	\$1,600,000	528	S 0.97	0.9	0.1	0 0.00	15	2.53	0 0.00	0	0.00	0 0.00	o	0.00	0.00 1.200	000 1.20 8	io	o	2 10	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0	10.5 6.59	17.09	426 11	.77 499
																								<25% of			Project delivers benefits in	Project will deliver a low level of						
153000047 15	Milson-Morgan Regional Detention Facility	Harlingen	A 22 acres regional detention pond is proposed.	Comprehensive	\$8,600,000	106	2 0.60	1.9	0.2	0 0.00	6	1.85	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.000	000 0.00 Y	es	1	2 2	project community 6 affected	Life/injury risk percentage 1 >20%	SVI between 0.01-0.25 (low 4 vulnerability)	only 1 wider benefit 1 category	environmenta I benefits (1 1 category)	Project provides no change to major, minor, or emergency access routes in the project 3 area.	0	7 2.65	9.65	550 1	.76 611
			This project proposes a Regional Detention Facility of 33 acres located east of the intersection of N Ed Carey Dr and E Grimes Rd	1																				<25% of project community	Life/injury risk percentage	SVI between 0.01-0.25 (low	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may					
153000048 15	efferson Resional Detention Facility	Harlingen	on an open field.	Comprehensive	\$13.092.000	303	5 0.97	1.7	0.2	0.00	15	2.53	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00 0.100	000 0.10 9	es	1	2 2	<25% of project	1 <20% Life/injury risk	SVI between 0.75-1.00	Project delivers benefits in only 1 wider	1 libenefits Project does not provide any	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4	7.25 3.91	11.16	532 11	30) 520
153000049 15	West Street 10x10 Box Culvert	Harlingen	This project proposes a 7,500ft long 10 x10 underground system stretching from the west street and outfalls at Arroyo Colorod.		\$19,201,000	614	18 1.50	2.9	0.3	0 0.00	54	3.48	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00 0.200	0.20 8	io	0	0 2	community 6 affected <25% of	percentage 1 >20%	(high 4 vulnerability)	benefit 10 category Project delivers benefits in	environmenta 1 I benefits Project does not provide	flooded, and emergency services access may O be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and	4 1	12.75 5.77	18.52	387 21	79 305
153000050 15	oint 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.		\$13,790,000	136	20 1.55	14.7	15	0 0.00	60	3.56	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.000	0.00	io	0	0 2	project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	only 1 wider benefit 10 category Project delivers	any environmenta 1 I benefits Project does	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 1	11.75 6.57	18.32	400 20	.34 335
153000051 15	Floodway Pump Stations (Cantu)		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	462	418 2.82	90.5	9.0	0 0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.200	000 0.20 8	io	0	0 10	50%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	benefits in only 1 wider benefit 10 category Project delivers	not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 1	12.75 16.13	28.88	160 11	.02 518
153000052 15	Floodway Pump Stations (Main)		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	462	418 2.82	90.5	9.0	0 0.00	79	3.76	0 0.00	ō	0.00	0 0.00	0	0.00	0.00 0.200	000 0.20 8	io	0	0 10	S0%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	benefits in only 1 wider benefit 10 category Project	not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 1	12.75 16.13	28.88	160 27	.72 180
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	462	418 2.82	90.5	9.0	0 0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00 0.200	000 0.20 8	io	0	0 10	S0%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	benefits in only 1 wider benefit 10 category Project	not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 1	12.75 16.13	28.88	160 16	94 422
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	462	418 2.82	90.5	9.0	0 0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.200	000 0.20	io	0	0 2	50%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	5VI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category Project	Project does not provide any environmenta 1 benefits	Project provides no change to major, minor, or emergency access routes in the project 0 area.	0 1	12.75 16.13	28.88	160 27	(50) 187
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	462	418 2.82	90.5	9.0	0 0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.200	000 0.20	io	0	0 10	50%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 libenefits	Project provides no change to major, minor, or emergency access routes in the project O area.	0 1	12.75 16.13	28.88	160 25	i.67 225
		Cameron County	This proposed project will involve creating a new proposed ditch																					50%-75% of project community	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta	Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may					
153000056 15	LLUDO MOJECT 8	Drainage District 6	approximately 1,800 feet long within the AN-47 Drain Basin.	Comprehensive	\$1,448,260	462	418 2.82	90.5	9.0	0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	U.00	0.00 0.200	0.20 N	20	0	42	50%-75% of project	7 <20% Life/injury risk	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider	1 libenefits Project does not provide any	be restricted in some areas Project will protect some major access routes in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4 1	14.75 16.13	30.88	119 13	469
153000057 15	CCDD6 Prolect 9	Cameron County Drainage District 6	This proposed project will involve widening approximately 4,680 feet of the existine ditch located to the southwest of Santa Rosa. This proposed project will involve constructing a new disch and	Infrastructure	\$1.172.960	462	418 2.82	90.5	9.0	0 0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00 0.200	000 0.20 8	io	o	0 10	community 6 affected 50%-75% of	percentage 7 <20%	(high 2 vulnerability)	benefit 10 category Project delivers benefits in	environmenta 1 l benefits Project does not provide	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes in floodolain and the majority (>50%) of	4 1	14.75 16.13	30.88	119 19	75. 345
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	462	418 2.82	90.5	9.0	0 0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	0.00	0.00 0.200	000 0.20 8	io	0	0 2	50%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	only 1 wider benefit 10 category Project	any environmenta 1 I benefits	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access routes	4 1	14.75 16.13	30.88	119 26	43 202
153000059 15	CCDDS 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	462	418 2.82	90.5	9.0	0.00	79	3.76	0 0.00	0	0.00	0 0.00	0	0.00	0 0.00 0.200	000 0.20	io	0	0 2	S0%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 benefits	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 1	14.75 16.13	30.88	119 23	.02 275

Draft Ranked List of Flood Miligation Projects

FMP ID	Region FMP Name	Sponsor	FMP Description	FMP Type	Estimated Project Cost	Structures at Risk Raw Remo	oved (Weighted) Removed Structures	removed re	reighted, ercent of structures Removed (o-	ArcSinh (Weighted) Res Structures Removed	noved Pop (Weighted Raw Removed Populatio	d) Removed Crit d Fac Raw	ArcSinh (Weighted) F Removed Crit facilities	ArcSin (Weight: LWC Raw Remove LWC	h Removed (Road Miles (Raw	ArcSinh (Weighted) Removed Road Miles	Removed (Weighte Ag Remov	% Nature- d) Based Raw	% NBS, Normalized BCA F (0-10)	aw BCA Score	Water Supply Wa	ter Supply FMP Ty, Score Score	pe Pre-Project Sco	re 1 Community Need Sco	re 2 Life and So Safety So	re 6 Social Vulnerability Sco	ore 8 Multiple Benefit Si	core 10 Environment al Benefit Score	2 13 Mobility	Details	re Based on ArcSinh ArcSinh ArcSinh normalized normalized reted Factors select criteria)	Rank (with ArcSinh normalization of select criteria)	RFI (OLD) Pre RFI (OLD)
153000060	15 CCD06 Project 12	Cameron County Drainage District 6	This proposed project will involve widening approximately 16,45 feet of the existing Main Drain, which at its current configuration is inadequate to convey the larger storm events that have plagued the region.	50 n Infrastructure	\$4,355,820	462	418 2.82	2 90.5	9.0	0 0.00	79 3.	.76 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.20	00000 0.20	No	0	0 2	50%-75% of project community 6 affected	Life/injury risk percentage 7 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 I benefits	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may O be restricted in some areas.	4 14.75	16.13 30.88	119	23.55 265
		Cameron County																						50%-75% of project	Life/injury risk	SVI between 0.75-1.00	Project delivers benefits in only 1 wider	Project will deliver a low level of environmenta I benefts (1	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain				
153000061	15 CCD06 Project 13	Drainage District 6	This proposed project will help establish a Regional Detention Facility (RDF) at the outfall of the Main Drain. The proposed improvements include channel widening, benching, clearing, longitudinal grading and will require limited	Comprehensive	\$7,125,950	462	418 2.82	90.5	9.0	0 0.00	79 3.	.76 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.20	00000 0.20	No	0	2 2	community 6 affected <25% of project community	percentage 7 <20% Life/injury risk percentage	(ngn 2 vulnerability) SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project does not provide any environmenta	flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will restricts access may flooded, and emergency services access may	4 15.5	16.13 31.63	102	27.88 175
153000062	15 Countown Pharr Alternative	Pharr	grading outside of the existing R.O.W.	Comprehensive	\$22,210,000	797	323 2.71	40.5	4.1	0 0.00	1498 5.	.95 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.82	00000 0.82	No	0	2 2	4 affected <25% of	percentage 1 <20%	2 vulnerability) SVI between 0.75-1.00	Project delivers benefits in	1 I benefits Project will deliver a low level of	0 be restricted in some areas	4 10.75	14.76 25.51	228	27.88 175
153000063	15 Northeast Phare Mitigation Project	Pharr	Construct an inline Regional Detention Facility (RIDF) along the Pharr-McAllen drain within the CIV, Units of San Juan. The pond will require a footprint of 35 acres. Approximately \$3 miles of channel improvements includes	1 Infrastructure	\$14,357,850	956	302 2.68	3 31.6	3.2	0 0.00	906 5.	.57 0	0.00	0	0.00	0.00	0 (0.00	0.00 0.53	00000 0.53	No	0	0 10	project community 6 affected	Life/injury risk percentage 1 <20%	0.75-1.00 (high 2 vulnerability) SVI between 0.75-1.00	only 1 wider benefit 10 category Project delivers benefits in only 1 wider	environmenta I benefits (1 1 category) Project does not provide	Project provides no change to major, minor, or emergency access routes in the project area. Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	0 10.5	12.74 23.24	283	28.63 157
153000064	15 West Main Drain II Extension BP 34		widening the Mission McAllen Drain within existing ROW, from SH 107 to 3 Mile North. The project improvements include widening the pilot channel of	Infrastructure	\$17.480.000	3365	1633 3.39	3 48.5	4.9	0 0.00	6025 6.	.98 0	0.00	0	0.00	0.00	0 0	0.00	0.00 1.90	00000 1.90	No	ō	0 10	community 6 affected <25% of project	percentage 1 >20% Life/injury risk	(high 4 vulnerability)	benefit 10 category Project delivers benefits in only 1 wider	environmenta 1 I benefits Project does not provide any	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain	4 12.75	19.98 32.73	84	27.88 175
153000065	15 Mission Inlet 8P 13	Hidalgo County Drainage District 1 Hidalgo County	the Missoon livet and updating the outfall structure to IBWC Floodway. Approximately 5.3 miles of channel improvements includes widening the Missoon McAllen Drain within existing ROW, from	Infrastructure	\$7,480,000	46	8 1.16	5 17.4	17	0.00	20 2.	.74 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.50	00000 0.50	No	0	0 10	community 6 affected <25% of project	percentage 1 <20% Life/injury risk	0.01-0.25 (low 2 vulnerability) SVI between 0.75-1.00	benefit 1 category Project delivers benefits in only 1 wider	environmenta 1 I benefits Project does not provide any	flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	A 7.25	6.89 14.14	476	28.63 157
153000066	15 Mission-McAllen Drain BP 12	Drainage District 1	SH 107 to 3 Mile North. This project is approximately 1.3 miles of channel improvements implemented by widening the Palmidew Lateral within the	Infrastructure	\$21,110,000	3365	1633 3.39	3 48.5	49	0.00	6025 6.	.98 0	0.00	0	0.00	0.00	0 0	0.00	0.00 1.90	00000 1.90	No	0	0 10	6 affected	percentage 1 >20%	4 vulnerability) SVI between	10 category Project delivers benefits in	1 l benefits Project will deliver a low level of	De restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and	4 12.75	19.98 32.73	84	26.38 203
153000067	15 Palmview Lateral BP 7	Hidalgo County Drainage District 1	existing RDW, from Minnesota Road to Abram Road. One region detention builty on Minesota Road is proposed to relieve the area from For Bond Project 4, North Main Drain III and 1, approximately 9	Comprehensive	\$5,460,000	750	134 2.34	4 17.9	1.8	0 0.00	402 4.	.97 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.70	00000 0.70	No	0	2 10	project community 6 affected <25% of	Life/Injury risk percentage 1 >20%	0.75-1.00 (high 4 vulnerability) SVI between	only 1 wider benefit 10 category Project delivers benefits in	environmenta I benefits (1 1 category) Project does not provide	many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and	4 135	10.85 24.35	257	27.13 192
153000068	15 2022 Bond Project 4 - North Main Drain III & I	Hidalgo County Drainage District 1	miles of channel improvements are implemented including widening the North Main Drain which the existing right of way, from Monte Cristo Road to J-09 Drain. Approximately 35 acre-feet of volume is proposed to be	Infrastructure	\$14,955,300	952	561 2.94	4 58.9	5.9	0.00	1683 6.	.03 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.20	00000 0.20	No	0	0 10	project community 6 affected	Life/injury risk percentage 1 >20%	0.75-1.00 (high 4 vulnerability)	only 1 wider benefit 10 category Project delivers	environmenta 1 benefits Project will deliver a low	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of	4 12.75	15.37 28.12	176	26.38 203
153000069	15 Alt MilitaryHighway	McAllen	excavated. construction condists of 1,940 IP of 36-inch diameter pipe sloped at QCX lange (publishan, Kettucky, and Tropper Road out falling directly into the retention pond, 3 headwalfs and approxi. The Alamo Expressway Drain is designed to remove a number of	Infrastructure	\$5,096,223	11	0 0.00	0.0	0.0	0 0.00	0 0.	.00 0	0.00	0	0.00	0.00	0 0	0.00.	0.00 4.40	00001 4.40	No	0	0 10	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	benefits in only 1 wider benefit 10 category Project delivers	level of environmenta I benefits (1 ategory) Project does	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas. Project will protect some major access route in floodplain and the majority (>50%) of	4 125	11.00 23.50	279	28.63 157
153000070	15 Alamo Expressway Drain Phase 2 BP 21	Hidalgo County Drainage District 1	residential structures, commercial structures, and 1.33 miles of roadway from the 100 year floodplain. Approximately 1.9 miles or channel improvements includes excavation nof the Alamo Expressiv	of	\$1,282,997	789	0 0.00	0.0	0.0	0 0.00	0 0.	0.00	0.00	0	0.00	0.00	0 0	0.00	0.00 1.20	00000 1.20	No	ō	0 10	<25% of project community 6 affected	Life/injury risk percentage 1 >20%	SVI between 0.75-1.00 (high 4 vulnerability)	benefits in only 1 wider benefit 10 category Project delivers	not provide any environmenta 1 I benefits Project does	emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas: Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and	4 12.75	3.00 15.75	448	28.63 157
153000071	15 Alternate Radio 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	113	1 0.37	7 0.9	0.1	0 0.00	4 1.	.56 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.60	00000 0.60	No	0	0 10	<25% of project community 8 affected	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high 8 vulnerability)	benefits in only 1 wider benefit 10 category	not provide any environmenta 1 I benefits	emergency service access. Some major and many minor access rouse will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route	A 15.75	3.51 19.26	369	28.63 157
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 an remove agricultural land from the 100-year floodplain.	nd Comprehensive	\$52,567,980	0	0 0.00	0.0	0.0	0.00	0 0.	.00 0	0.00	0	0.00	0.00	0 (0.00	0.00 0.30	00000 0.30	No	0	2 10	<25% of project community 4 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category Project	deliver a low level of environmenta I benefits (1 1 category)	In floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas Project will protect some major access route	4 115	0.75 12.25	506	20.38 334
153000073	15 Orain J01	Hidalgo County Drainage District 1	The Drain JOI FMP aims to replace the present 24° RCP with 48° RCP to divert. The 36° RCP will be removed/plugged	Infrastructure	\$603,663	40	27 1.67	7 67.5	6.8	0 0.00	81 3.	.78 0	0.00	0	0.00	0.00	0 0	0.00	0.00 1.30	00000 1.30	No	0	0 10	<25% of project community 4 affected	Life/Injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category Project	Project does not provide any environmenta 1 benefits	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access rouses will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route	4 10.75	15.45 26.20	213	33.23 73
153000074	15 Alton MDP - North Stewart Boulevard Alternative 1	Alton	Construction of and additional 6,600 EF of a single 8" x4" reinforced concrete box sloped at 0,02% from the Val Verde Acre subdividios to locate Garcia Park is required in addition to the improvements currently underway from the CWSRF loan. The proposed solution for the Climito Townste includes the	Infrastructure	\$23,275,000	181	55 1.97	7 30.4	3.0	0 0.00	165 4.	.31 0	0.00	0	0.00	0.00	0 (0.00	0.00 0.02	00000 0.02	No	0	0 2	<25% of project community 2 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	delivers benefits in only 1 wider benefit 10 category Project delivers	Project does not provide any environmenta 1 benefits	in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of	4 9.75	9.37 19.12	375	26.74 198
153000075	15 Olmito Townsite Flood Mitisation Project	Cameron County	min propose aduction 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	97	90 2.18	3 92.8	93	0 0.00	270 4.	.67 0	0.00	0	0.00	D 0.00	0 6	0.00	0.00 1.52	00000 1.52	No	0	0 10	<25% of project community 6 affected	Life/Injury risk percentage 1 <20%	0.5-0.75 (moderate to high 2 vulnerability)	benefits in only 1 wider benefit 7 category	not provide any environmenta 1 I benefits	emergency service access Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 10.25	19.93 30.18	136	30.43 118
153000076	15 Port habel to Brownsville FIF - Project 6 Los Fresnos at East 10th St	Los Fresnos	Four extreme event storm sewer and overflow routing improvements on ERsh, E9th, and E10th streets along with a detention poind.	Storm Drain	\$3,418,230	209	92 2.19	3 44.0	4.4	0 0.00	240 4.	.59 0	0.00	0	0.00	0.00	0 0	0.00	0.00 1.42	00000 1.42	No	0	0 10	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.5-0.75 (moderate to high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 7 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of 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	14.72 25.72	226	19.62 350
153000077	Port leabel to Brownoville FiF - Project 4 Town Resaca at West 5th 15 Street	Brownsville	Storm sewer improvements near Palm Blvd, W 5th Street, Ebony St. and Ramireno Ln. alone with a detention good.	Storm Drain	\$27.101.370	574	71 2.08	3 12.4	1.2	0 000	220 4	.52 0	0.00	0	0.00	0.00		0.00	0.00 0.93	00000 0.93	No	0	0 10	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas.	4 125	10.16 22.56	290	11.44 511
	Port lsabel to Brownoville FIF - Project 12 Town Resaca at 15 Washington Park	Brownsville	Storm sewer improvements on E Madison St, E 7th St, and E Jackson St	Storm Drain	\$7,488,090	203	48 1.91	1 23.6	24	0.00	627 S.	.30 0	0.00	0	0.00	0.00	0 0	0.00	0.00 1.05		No	0	0 10	<25% of project community 6 affected	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 benefits	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may O be restricted in some areas.	4 11.75	12.20 23.95	268	33.52 71
	Fort kabel to Brownoville FIF - Project 9 North Main Drain and Hw	y	Detention pand and storm sewer improvements on North Main																					<25% of project community	Life/injury risk percentage	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta i benefits (1	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may				
153000079	15 696	Brownsville	Drain, west of Price Road and 698. Channel and roadway crossing improvements on Cameron County Ditch! between Pablo Kief Bivd and Dana Ave. Also Incides improvements to a man-match slate gillway.	Detention Pond	\$27.553.770	703	84 2.15	5 11.9	12	0 0.00	753 5.	.44 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.45	00000 0.45	No	0	0 10	6 affected	1 <20%	2 vulnerability) SVI between 0.5-0.75	Project delivers benefits in only 1 wider	1 Category) Project does not provide any	Project will protect some major access route in floodplain and the majority (-50%) of emergency service access. Some major and	4 125	9.90 22.40	304	25.33 227
153000080	Port leabel to Brownoville FiF - Project 5 Cameron County Ditch 1 a 15 Golf Center	it Brownsville	incides 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	697	399 2.80	57.2	5.7	0 0.00	1038 5.	.68 0	0.00	0	0.00	0.00	0 0	0.00	0.00 0.13	00000 0.13	No	0	0 10	project community 6 affected <25% of project	Life/injury risk percentage 1 <20%	(moderate to high 2 vulnerability) 5VI between 0.5-0.75 (moderate to	Project delivers benefits in	any environmenta 1 I benefits Project does not provide	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas Project will protect some major access route in floodplain and the majority (-50%) of emergency service access. Some major and	4 10.25	14.52 24.77	246	15.50 442
153000081	Port Isabel to Brownsville FIF - Project 7 Cameron County Ditch 1 a 15 Hwv 69E	t Brownsville	Channel and roadway crossing improvements on Cameron County Ditch 1 between Laredo Rd and Pablo Kisel Blvd	Channel	\$9.227.220	458	191 2.49	41.7	4.2	0 0.00	883 5.	.56 0	0.00	0	0.00	0.00	0 0	0.00	0.00 1.66	00000 1.66	No	0	0 10	community 6 affected	Life/injury risk percentage 1 <20%	high 2 vulnerability)	only 1 wider benefit 7 category	environmenta 1 benefits	many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas	4 10.25	16.37 26.62	206	17.75 398

Draft deliverative prepared for 2024 March 2024

Orah Ranked List of Flood Miligation Projects

FMP ID Region Number	FMP Name	Sponsor FMP De	zription FMP T	Type Estimated Pr Cost	roject Structures at Risk Raw	Removed Structures Raw Str	ArcSinh Perce Veighted) struct semoved remo	cent of Percent of structures structures removed (0-10)	emoved Res Structures Removed Raw Res Removed Raw Removed	Removed Pop Raw Populat	h ed) Removed Crit ed Fac Raw F	ArcSinh (Weighted) Remov Removed Crit LWC Ra facilities	ArcSinh (Weighted) rw Removed LWC	Removed Road Miles Raw R	ArcSinh Veighted) Ag Remo Removed Raw oad Miles	ved ArcSinh (Weighted) Ag Removed	Nature- ised Raw % NBS, Normalized (0-10)	BCA Raw BC	"A Score Water Supply W	Vater Supply FMI Score Si	IP Type Pre-Project icore Ave Depth	Score 1 Con	munity Score 2	Life and Safety Score	e 6 Social Vulnerability	core 8 Multiple Benefit Sc	ore 10 Environment al Benefit	Score 13 Mobility	Score 15 Proj Deta Weig Sco	ject Score Based on ArcSinh Normalized Reported Factors	normalization of norm	Rank (with ArcSinh rmalization of elect criteria)	RFI (OLD) Pre RFI (OLD) Ial Score Rank
153000082 15	Port isabel to Brownsville FIF - Project 3 Cameron County Ditch 1 a	Five extreme event storm sewer t t Brownsville Avenida Fideracia.	nd overflow routing rrk neighborhood along Storm Drain	n \$80	07,360 296	130	2.33	43.9 4.4	0 0.	00 655	5.33 0	0.00	0 0.00	0 0	0.00	0 0.00	0 0.00	30.2999992	10.00 No	0	0 10	<25% proje comr 6 affec	t unity	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 benefits	Project will protect some major access route in floodplain and the majority (>59%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	4	11.75 37.06	48.81	7	22.33 295
153000083 15	Port label to Brownsville FIF - Project 2 Cameron County Ditch 1 a Confluence	Five large detention ponds on Ct between Paredes in and fluben I Brownoville improvements to a culver troops	orress Blvd along with	Pond \$205,57	79 400 1252	791	266	20.8 2.1		1025	567	0.00	0 000		0.00	0.000	9 999	0.0200000	0.02 No.		0 10	<25% proje com: 6 affec	of z	Life/injury risk percentage	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many mimor access routes will remain flooded, and emergency services access may 3 be restricted in some arciticated in some access.	s	12.5	22.00	197	10.64 249
	Port liabel to Brownoville FIF - Project 11A Los Fresnos West Ocean	h Channel and culvert crossing Imp	ovements along with a																				t unity	Life/injury risk percentage	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta i benefits (1	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	s				
153000084 15	Bed Port liabel to Brownsn/lile FIF - Project 118 Los Fresnos West Ocean	tos Fresnos detention pond near TX-100 and Channel and culvert crossing imp		\$30,20	06,400 115	60	2.01	52.2 5.2	0 0.	149	4.23 0	0.00	0 0.00	0	0.00	0 0.00	0 0.00	1.3400000	1.34 No	0	2 10	<25% proje	of t	Life/injury risk percentage	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit	Project will deliver a low level of environmenta I benefits (1	3 be restricted in some areas Project will protect some major access route in floodplain and the majority 6-50% of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may	5	12.5 14.81	2731	194	30.12 126
	Bivd Port Isabel to Brownsville FIF - Project 1A North Main Drain and Imagala Ditch	Los Fresnos detention pond near TX-100 and Construction of the Con	d pump station improvements	\$43,38 \$56,74		17	2.33	10.3 1.0	0 0.	00 122	5.05 0	0.00	0 0.00	0 0	0.00	0 0.00	0 0.00	0.8600000	0.86 No	0	2 10	6 affect <25% proje comr 6 affec	of t unity	1 <20% Life/injury risk percentage 1 <20%	2 vulnerability) SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta	3 be restricted in some areas Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may De restricted in some	5	12.5 12.07 11.75 10.14	24.57	251 320	23.17 272 31.73 97
153000087 15	Port liabel to Brownsville FIF - Project 18 North Main Drain and Four Comes	Channel and culvert improvement pond on North Main Drain between the Construction of t	its along with one detention in Rockwell Dr and Boca Chica	Pond \$53,93	27 201 1294	92	244	50 05		259	4.72	0.00	0 000		0.00	0.000	0.000	0.0200000	0.02 No.		0 10	<25% proje com: 6 affec	of t unity	Life/injury risk percentage	SVI between 0.75-1.00 (high	Project delivers benefits in only 1 wider benefit 10 category	Project does not provide any environmenta 1 l benefits	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many mimor access routes will remain flooded, and emergency services access may 0 be restricted in some areasticed in some access.	s	1175 754	10.70	360	22.25 220
	McAllen MDP-Study 1 Montecristo/Hoen Rd Subdivision	McAllen Channelization and Culvert Impr	verment on Monte Cristo Infrastructu			8	1.16	2.9 03	0 0.	00 15	2.53 0	0.00	0 0.00	0 0	0.00	0 0.00	0 0.00	0.1000000	0.10 No	0	0 25	<25% proje comr 8 affec	of t unity	Life/injury risk percentage 1 >40%	SVI between 0.75-1.00 (high 8 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas:	0	13.75 4.23	17.98	408	30.73 113
153000089 15	McAllen MOP-Study 3 SH107 East	McAllen Two detention ponds north of Sk	107 and West of N 29th St Comprehen	nsive \$15,45	56,190 49	0	0.00	0.0 0.0	0 0.	00 0	0.00 0	0.00	0 0.00	0 0	0.00	0 0.00	0 0.00	0.0000000	0.00 No	0	2 10	<25% proje com: 8 affec	of t unity ad	Life/Injury risk percentage 1 >30%	SVI between 0.75-1.00 (high 6 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (-55%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas:	0	12.75 0.00	12.75	494	16.26 429
153000090 15	McAllen MDP - Study 2 Shary Rd & GMI Intersection	Channel Improvements to WMD McAllen Improvements on Sharv Rd and 1	Lalong with Culvert Infrastructu	ure \$9.47	74.980 12	1	0.37	8.3 0.8	0 0.	00 4	1.56 0	0.00	0 0.00	0 0	0.00	0 0.00	0 0.00	0.0000000	0.00 No	0	0 25	<25% proje comr 6 affec	t unity	Life/injury risk percentage 1 >20%	SVI between 0.75-1.00 (high 4 vulnerability)	Project delivers benefts in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 1 catezory)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	0	10.75 2.76	13.51	487	16.20 431
153000091 15	McAllen MDP - Study 4 Betnsen Rd	Two overviow routing improvem McAllen roadside ditches and two channe		ure \$2,89	96,781 217	S	0.97	2.3 0.2	0 0.	00 22	2.81 0	0.00	0 0.00	0 0	0.00	0 0.00	0 0.00	0.1000000	0.10 No	0	0 10		of t tunity ird	Life/injury risk percentage 1 >20%	SVI between 0.5-0.75 (moderate to high 4 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta l benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 0 be restricted in some areas.	0	10.75 4.26	15.01	461	16.98 419
153000092 15	Risk Area 12 Fox Borough Drive	Project includes bypassing flow 8 North Point Drive to the detentic intalling additional curb inlets of Circle.	n pond with 1 - 8'x4' RCB and N. Point Drive and Silver Oak	ure \$1.18	85,000 11	0	0.00	0.0 0.0	0 0.	0 0	0.00 0	0.00	0 0.00	0 0	0.00	0 0.00 0.1	10000001 0.01	0.0000000	0.00 Yes	1	0 10		of t unity ed	Life/injury risk percentage 1 <20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefts (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some areas	4	10.5 0.01	10.51	539	12.75 479
153000093 15	Delta Storm Edcouch Esa Improvements	Ditch widening is proposed on to 1 mile along Ditch IDFZA and app Hidalgo County Drainage District 1 vacanty properties and farmanus Vacanty properties and farmanus.	roximately 2.8 miles along the in ponds are proposed on	ure \$11,49	95,000 1378	949	3.16	68.9 6.9	0 0.	00 2847	6.42 0	0.00	0 0.00	0 0	0.00	0 0.00 0.1	100000001 0.01	1.1000000	1.10 Yes	1	0 10	proje	0% of at unity and	Life/injury risk percentage 4 < 20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta I benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some arciticated in some access.	5	14 19.23	33.23	74	2.76 606
		Culvert improvements proposed 1972A and Dirth 2. A lateral dive Lateral approximately 0.2 Smile Unique provements. Several bank and Drainage District 1 project area.	t 28 locations along Ditch sion weir proposed on East sorth of FM 1925. Pond	ure \$13,50	00,000 1528	1122	3.23	73.4 7.3	0 0.	00 3366	6.55 0	0.00	0 0.00	0 0	0.00	0 0.00 0.1	10000001 0.01	1.300000	1.30 Yes	1	0 10	25%- proje com: 6 affec	0% of z unity and	Life/injury risk percentage 4 < 20%	SVI between 0.75-1.00 (high 2 vulnerability)	Project delivers benefits in only 1 wider benefit 10 category	Project will deliver a low level of environmenta i benefits (1 1 category)	Project will protect some major access route in floodplain and the majority (>50%) of emergency service access. Some major and many minor access routes will remain flooded, and emergency services access may 3 be restricted in some arctification access may	5	14 20.38	34.38	68	4.26 591

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