2024-2025 Flood Infrastructure Fund Flood Management Evaluation (FME) Prioritizatio

										Ranking Factor?	Y	/es	1	Yes	1	/es	Y	25	Y	es	٢	/es	Ye	s								
							(======================================			Max Values for Score Normalization	2,50	0,000	8,00	00,000	255	5,000	2,5	00	10,	000	125	5,000	6,000	.000								
	20	24-202	5 Flood Infrastructure Fun	id Flood Ivlana	gement E	valuation	(FIVIE) Prio	oritization	LIST	Weight Value	15	.0%	15	5.0%	25	6.0%	20.	0%	5.	0%	10	0.0%	10.0	1%								
										Ranking Criteria	Estimated structures at	l number of 100-year risk	Estimated Pop year fl	pulation at 100- lood risk	Critical facilit flood	ies at 100-year risk (#)	Number of crossings at	low water flood risk (#)	Estimated nu closu	mber of road res (#)	Estimated len 100-year flo	ngth of roads at od risk (Miles)	Estimated farm a 100-year floor	& ranch land at l risk (Acres)								
FME	ID	Region Number	FME Name	Sponsor	FME Туре	Previously Awarded FM 2019-2022	A Federal Fund	s Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures at Risk ArcSinh (Weighted)	Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Raw	Critical Facilities ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closures Raw	Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
1310	00174	13	Diversion from the Nueces River to Choke Canyon Reservoir	Nueces River Authority	Project Planni	ing No	\$0	\$0	\$2,000,000	\$2,000,000	60,967	11.39	136,543	3 11.32	2 445	12.9	2 526	16.34	4 7,401	4.85	3,214.50	7.05	251,437.00	8.05	71.92298	S Yes	81.92298	1	71.92299	3	0.0	
1310	00179	13	Nueces Basin Scaling Up NBS Study	Nueces River Authority	Other	No	\$0	\$0	\$1,000,000	\$1,000,000	60,967	11.39	136,543	3 11.32	2 445	12.9	2 526	16.34	4 7,401	4.85	3,214.53	7.05	251,436.97	8.05	71.92299	No	71.92299	2	71.92299	3	0.0	
1310	00177	13	Nueces Basin Floodplain Map Updates	Nueces River Authority	Watershed Planning	No	\$0	\$0	\$56,800,000	\$56,800,000	60,967	11.39	136,543	3 11.32	2 445	12.9	2 526	16.34	4 7,401	4.85	3,214.50	7.05	251,437.00	8.05	71.92298	8 No	71.92298	3	71.67168	8	0.3	
1310	00175	13	Nueces Basin Low Water Crossing Study an Upgrade Prioritization	d Nueces River Authority	Project Planni	ing No	\$0	\$0	\$775,000	\$775,000	60,967	11.39	136,543	3 11.32	2 445	12.9	2 526	16.34	4 7,401	4.85	3,214.50	7.05	251,437.00	8.05	71.92298	No	71.92298	3	71.92299	3	0.0	
1310	00176	13	Nueces Basin High Hazard Dam Identification and Risk Assessment	Nueces River Authority	Project Planni	ing No	\$0	\$0	\$1,500,000	\$1,500,000	60,967	11.39	136,543	3 11.32	2 445	12.9	2 526	16.34	4 7,401	4.85	3,214.50	7.05	251,437.00	8.05	71.92298	No	71.92298	3	71.92299	3	0.0	
1510	00447	15	Developing a Regional Master Drainage Pla for Cameron and Hidalgo County	In Cameron County	Watershed Planning	No	\$0	\$0	\$13,000,000	\$13,000,000	91,698	11.79	208,007	7 11.70) 99	10.0	6 18	8.42	2 1,461	4.03	2,812.30	6.95	355,584.00	8.27	61.20429	Yes	71.20429	6	45.91970	159	15.3 0	Greater than 10 but less than 20 points change from SFP.
1410	00015	14	Arroyo Debris Prioritization	El Paso	Preparedness	No	\$0	\$0	\$70,000	\$70,000	21,373	10.37	20,411	1 9.60	37	8.1	9 132	13.09	9 841	3.75	607.25	5.71	48,551.00	7.04	57.76011	. Yes	67.76011	. 7	57.76010	31	0.0	
0610	00175	5	SAFER Study	Harris County Flood Control District	Project Planni	ing No	\$0	\$15,000,000	\$8,000,000	\$23,000,000	117,446	12.03	523,493	3 12.53	1,656	15.4	2 57	11.12	2 57	2.39	1,498.00	6.44	1,596.00	4.95	64.88228	No	64.88228	8	68.13234	9	-3.3	
1410	00034	14	FMP Development for El Paso Water SWM	P El Paso	Project Planni	ing No	\$0	\$0	\$1,288,000	\$1,288,000	13,881	9.95	55,807	7 10.51	26	7.5	2 51	10.86	6 614	3.59	374.95	5.33	6,056.93	5.77	53.52258	Yes	63.52258	9	53.52259	53	0.0	
0610	00022	6	Dickinson Bayou Flood Mitigation Plan – Alternative 2	League City	Project Planni	ing No	\$0	\$0	\$1,090,000	\$1,090,000	40,129	10.98	89,177	7 10.93	636	13.6	0 26	9.28	8 26	2.00	722.78	5.85	2,683.21	5.27	57.91080) No	57.91080	10	57.91080	28	0.0	
1310	00125	13	Bee County Drainage Master Plan	Bee County	Watershed Planning	No	\$0	\$0	\$500,000	\$500,000	1,617	7.86	6,275	5 8.53	8 27	7.5	9 34	9.91	1 400	3.37	113.09	4.36	10,462.88	6.10	47.73029	Yes	57.73029	11	47.73029	122	0.0	
0110	00189	1	Wichita County Drainage Master Plan	Wichita County	Watershed Planning	No	\$0	\$0	\$500,000	\$500,000	3,986	8.74	10,515	5 9.00	72	9.4	5 170	13.69	9 267	3.17	193.12	4.79	49,700.41	7.06	55.90089	No	55.90089	12	55.90090	39	0.0	
0310	00519	3	Mill Creek Drainage Relief System – Upper - Middle Improvements	- Dallas	Project Planni	ing No	\$0	\$0	\$10,000,000	\$10,000,000	28,854	10.66	118,264	4 11.19	2,321	16.0	6 9	6.79	9 0	0.00	1,294.00	6.32	172.00	3.58	54.61122	! No	54.61122	13	55.40420	44	-0.8	
0410	00046	4	Culvert and Railroad Trestle Study	Orange County Drainage District	Project Planni	ing No	\$0	\$0	\$525,000	\$525,000	16,974	10.15	26,881	1 9.85	5 276	12.0	1 22	8.89	9 22	1.91	364.50	5.30	17,171.20	6.41	54.51346	i No	54.51346	14	54.51346	48	0.0	
0410	00089	4	Hunt County Countywide Drainage Study - Phase 2	Hunt County	Project Planni	ing No	\$0	\$0	\$500,000	\$500,000	3,043	8.47	6,896	5 8.62	2 45	8.5	6 28	9.45	5 28	2.03	46,890.87	9.21	46,890.87	7.02	53.37330	No	53.37330	15	53.37330	55	0.0	
1110	00061	11	Seguin Regional Drainage Masterplan	Seguin	Watershed Planning	No	\$0	\$0	\$1,100,000	\$1,100,000	1,956	8.04	4,550	3 8.24	12	6.0	5 52	10.91	1 0	0.00	53.00	3.75	5,800.23	5.74	42.73568	Yes	52.73568	16	42.73570	243	0.0	
1110	00170	11	Guadalupe County Drainage Master Plan	Guadalupe County	Watershed Planning	No	\$0	\$0	\$2,500,000	\$2,500,000	5,822	9.10	14,109	9.27	14	6.3	4 130	13.06	6 238	3.11	116.74	4.39	25,477.21	6.65	51.91944	No	51.91944	17	48.80668	102	3.1	
1410	00035	14	FMP Development for El Paso County SWMP	El Paso County	Project Planni	ing No	\$0	\$0	\$276,000	\$276,000	7,480	9.35	20,421	1 9.60	10	5.7	0 81	11.95	5 224	3.08	228.22	4.93	42,408.60	6.96	51.57021	. No	51.57021	. 18	51.57021	69	0.0	
0310	00043	3	Ellis County Dam Inundation Study	Ellis Prairie S&W CD	Watershed Planning	No	\$0	\$0	\$758,000	\$758,000	2,712	8.36	145,930	0 11.38	3 32	7.9	1 57	11.12	2 0	0.00	214.41	4.88	90,231.04	7.43	51.07603	No	51.07603	19	51.07605	83	0.0	
1510	00104	15	Addendum To The Master Watershed Stud Flood Risk Maps	ly Del Rio	Watershed Planning	No	\$0	\$407,015	\$407,015	\$814,030	1,879	8.00	9,249	9 8.88	13	6.2	0 17	8.28	8 133	2.82	45.04	3.62	58.11	2.92	40.73032	Yes	50.73032	20	35.06972	518	5.7	
1110	00118	11	Community Flood Mitigation Planning Project	Hays County	Project Planni	ing No	\$0	\$0	\$238,035	\$238,035	5,372	9.03	20,150	9.59	19	6.9	2 178	13.80	D 0	0.00	143.00	4.55	26,087.00	6.66	50.54618	No	50.54618	21	50.54897	93	0.0	
1110	00112	11	Hays County Dam Inundation Mapping	Hays County	Project Planni	ing No	\$0	\$0	\$500,000	\$500,000	5,372	9.03	20,150	9.59	19	6.9	2 178	13.80	D 0	0.00	143.00	4.55	26,087.00	6.66	50.54618	No	50.54618	21	50.54897	93	0.0	
0410	00028	4	Marshall Drainage Master Plan	Marshall	Project Planni	ing No	\$0	\$221,300	\$1,943,300	\$2,164,600	561	6.83	4,312	2 8.19	0	0.0	0 342	15.33	3 133	2.82	18.00	2.88	222.00	3.74	39.79540	Yes	49.79540	23	21.63763	1382	18.2 G t	Greater than 10 but less than 20 points change from SFP.
0210	00062	2	North Sulphur River Channel Stability and Flooding Study	Sulphur River Basin Authority	Preparedness	No	\$0	\$0	\$850,000	\$850,000	915	7.31	2,011	1 7.50) 19	6.9	2 10	7.04	4 0	0.00	84.68	4.13	31,562.78	6.78	39.68125	Yes	49.68125	24	39.68126	330	0.0	

FME ID	Region Number	FME Name	Sponsor	FME Туре	Previously Awarded FMA 2019-2022	A Federal Fund	ls Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures at Risk ArcSinh (Weighted)	Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Raw	Critical Facilities ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closures Raw	Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
111000172	11	City of San Marcos Atlas 14 H&H Model Updates	San Marcos	Riverine	No	\$0	\$0	\$1,875,000	\$1,875,000	2,270	8.19	12,650	9.17	14	6.34	12	7.47	0	0.00	48.00	3.67	822.00	4.54	39.37967	Yes	49.37967	25	39.38204	336	0.0	
111000174	11	City of San Marcos Gauges for Phase 2 of city-wide FEWS	San Marcos	Riverine	No	\$0	\$0	\$2,500,000	\$2,500,000	2,270	8.19	12,650	9.17	14	6.34	12	7.47	0	0.00	48.00	3.67	822.00	4.54	39.37967	Yes	49.37967	25	39.38204	336	0.0	
111000177	11	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	San Marcos	Riverine	No	\$0	\$0	\$375,000	\$375,000	2,270	8.19	12,650	9.17	14	6.34	12	7.47	0	0.00	48.00	3.67	822.00	4.54	39.37967	Yes	49.37967	25	39.38204	336	0.0	
101000158	10	Citywide Storm Drain Infrastructure Modeling	Austin	Watershed Planning	No	\$0	\$0	\$12,982,000	\$12,982,000	5,694	9.08	45,817	10.33	10	5.70	128	13.02	0	0.00	111.76	4.35	7,306.66	5.88	48.37466	i No	48.37466	28	48.37457	109	0.0	
111000180	11	Hays County Drainage Master Plan	Hays County	Project Planning	s No	\$0	\$0	\$1,500,000	\$1,500,000	4,329	8.82	17,647	9.47	15	6.47	117	12.81	0	0.00	98.00	4.25	10,528.00	6.11	47.92146	i No	47.92146	29	47.92181	119	0.0	
111000003	11	Caldwell County Bridge Improvement Plan	Caldwell County	Project Planning	; No	\$0	\$0	\$256,000	\$256,000	2,042	8.09	5,352	8.39	8	5.28	102	12.49	45	2.27	100.64	4.27	42,986.47	6.97	47.75552	! No	47.75552	30	45.48363	166	2.3	
111000127	11	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	Upper Guadalupe River Authority	Watershed Planning	No	\$0	\$0	\$250,000	\$250,000	4,224	8.79	7,638	8.71	6	4.74	159	13.53	0	0.00	131.69	4.48	29,308.75	6.74	46.99433	i No	46.99433	31	46.99430	132	0.0	
111000122	11	Kerr County Center Point Storm Drainage Infrastructure	Kerr County	Project Planning	g No	\$0	\$0	\$125,000	\$125,000	4,224	8.79	7,638	8.71	6	4.74	159	13.53	0	0.00	131.69	4.48	29,308.75	6.74	46.99430) No	46.99430	32	46.99430	132	0.0	
111000123	11	Kerr County Dam Integrity Study	Kerr County	Preparedness	No	\$0	\$0	\$500,000	\$500,000	4,224	8.79	7,638	8.71	6	4.74	159	13.53	0	0.00	131.69	4.48	29,308.75	6.74	46.99430) No	46.99430	32	46.99430	132	0.0	
131000126	13	Beeville Drainage Master Plan	Beeville	Watershed Planning	No	\$0	\$0	\$250,000	\$250,000	671	7.00	2,931	7.85	18	6.82	13	7.65	136	2.83	13.43	2.65	13.69	2.03	36.83151	. Yes	46.83151	. 34	36.83154	452	0.0	
111000179	11	Kerr County Drainage Master Plan	Kerr County	Watershed Planning	No	\$0	\$0	\$1,000,000	\$1,000,000	3,831	8.70	7,416	8.69	6	4.74	158	13.52	0	0.00	124.14	4.44	28,073.85	6.71	46.78397	' No	46.78397	35	46.78397	140	0.0	
151000096	13/15	Maverick County Watershed Planning Project	Maverick County	Watershed Planning	No	\$0	\$0	\$1,000,000	\$1,000,000	1,832	7.98	5,421	8.40	1	1.68	6	5.85	62	2.43	91.35	4.19	12,886.00	6.23	36.76454	Yes	46.76454	36	36.76451	453	0.0	
071000118	7	John Montford Dam Evaluation	Lubbock	Project Planning	g No	\$0	\$0	\$417,000	\$417,000	6,880	9.27	20,269	9.59	9	5.50	29	9.54	0	0.00	357.54	5.29	50,570.15	7.07	46.25851	. No	46.25851	. 37	46.25852	146	0.0	
071000178	7	Lubbock County Floodplain Open Space Program	Lubbock	Project Planning	g No	\$0	\$0	\$1,000,000	\$1,000,000	6,880	9.27	20,269	9.59	9	5.50	29	9.54	0	0.00	357.54	5.29	50,570.15	7.07	46.25851	. No	46.25851	. 37	46.25852	146	0.0	
031000516	3	Kaufman County Countywide Drainage Study - Phase 2	Kaufman County	Watershed Planning	No	\$0	\$0	\$750,000	\$750,000	4,233	8.79	478,856	12.45	0	0.00	91	12.22	0	0.00	230.37	4.93	108,152.98	7.54	45.93901	. No	45.93901	. 39	45.93900	158	0.0	
091000105	9	Tom Green County DMP	San Angelo	Watershed Planning	No	\$0	\$0	\$500,000	\$500,000	5,166	8.99	9,987	8.95	7	5.03	47	10.67	0	0.00	253.47	5.01	48,794.72	7.05	45.70026	i No	45.70026	40	45.70026	160	0.0	
031000046	3	Parker County Dam Inundation Study	Parker County	Watershed Planning	No	\$0	\$0	\$569,000	\$569,000	1,953	8.04	86,160	10.90	18	6.82	22	8.89	0	0.00	60.73	3.86	25,497.34	6.65	45.16214	No	45.16214	41	45.16215	176	0.0	
031000456	3	Preliminary Engineering Study for Mary's Creek Mitigation for Fort Worth Floodway and Central City	Tarrant Regional Water District	Project Planning	ş No	\$0	\$0	\$1,229,000	\$1,229,000	934	7.33	22,866	9.70	16	6.59	38	10.17	85	2.59	29.28	3.27	2,683.36	5.27	44.92896	i No	44.92896	42	34.24804	560	10.7	Greater than 10 but less than 20 points change from SFP.
121000184	12	Karnes County FEWS Planning	Karnes County	Preparedness	No	\$0	\$0	\$100,000	\$100,000	336	6.33	422	6.09	0	0.00	19	8.54	213	3.06	58.80	3.84	14,495.22	6.30	34.16299	Yes	44.16299	43	34.16299	568	0.0	
111000054	11	City of San Marcos Regional Detention Study	San Marcos	Riverine	No	\$0	\$0	\$250,000	\$250,000	3,190	8.52	15,045	9.32	15	6.47	38	10.17	0	0.00	71.00	3.99	3,685.00	5.46	43.93663	i No	43.93663	44	43.93614	202	0.0	
111000142	11	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	San Marcos	Riverine	No	\$0	\$0	\$62,500	\$62,500	3,190	8.52	15,045	9.32	15	6.47	38	10.17	0	0.00	71.00	3.99	3,685.00	5.46	43.93663	No	43.93663	44	43.93614	202	0.0	
131000070	13	Downtown Rockport Drainage Study	Rockport	Watershed Planning	No	\$0	\$0	\$1,090,000	\$1,090,000	1,820	7.97	3,567	8.02	4	3.98	30	9.61	30	2.07	5.00	1.86	0.00	0.00	33.52450) Yes	43.52450	46	13.31258	2110	20.2	Greater than 20 points change from SFP.
111000164	11	Caldwell County FEWS Planning	Caldwell County	Preparedness	No	\$0	\$0	\$50,000	\$50,000	937	7.33	2,190	7.58	7	5.03	40	10.29	45	2.27	71.20	3.99	35,718.52	6.86	43.34840) No	43.34840	47	41.07650	289	2.3	
031000135	3	Ten Mile Creek Channel Expansion Study	Lancaster	Project Planning	ş No	\$0	\$0	\$500,000	\$500,000	1,268	7.62	129,300	11.27	9	5.50	33	9.84	0	0.00	39.53	3.52	2,245.94	5.16	42.91063	No	42.91063	48	42.91069	241	0.0	
031000093	3	Wise County DMP	Wise County	Watershed Planning	No	\$0	\$0	\$500,000	\$500,000	492	6.70	54,897	10.50	11	5.88	16	8.14	0	0.00	99.85	4.26	30,832.77	6.77	42.24938	3 No	42.24938	49	42.24936	256	0.0	
031000273	3	City of Plano DMP	Plano	Watershed Planning	No	\$0	\$0	\$2,000,000	\$2,000,000	381	6.45	372,184	12.23	9	5.50	24	9.09	0	0.00	18.44	2.90	695.40	4.44	40.61781	No	40.61781	. 50	40.61774	297	0.0	

FME ID	Region Number	FME Name	Sponsor	FME Туре	Previously Awarded FMA 2019-2022	Federal Funds	Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures at Risk ArcSinh (Weighted)	Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Raw	Critical Facilities ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closures Raw	Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
131000189	13	City of Kingsville 2018 Drainage Master Plan– Location 5	Kingsville	Project Planning	g No	\$0	\$0	\$125,200	\$125,200	95	5.10	380	6.00	95	9.98	4	4.92	4	1.06	1.00	0.71	25.00	2.40	30.16775	Yes	40.16775	51	0.00000	2969	30.2	Greater than 20 points change from SFP.
031000421	3	Stream Bank Stabilization – Various Locations Town Wide	Flower Mound	Project Planning	g No	\$0	\$0	\$250,000	\$250,000	1,485	7.78	419,903	12.33	0	0.00	37	10.11	0	0.00	100.79	4.27	4,911.32	5.64	40.12674	No	40.12674	52	40.12671	315	0.0	
031000515	3	Hydrologic Updates of Town Wide Fully Developed Hydrology	Flower Mound	Watershed Planning	No	\$0	\$0	\$5,181,000	\$5,181,000	1,485	7.78	419,903	12.33	0	0.00	37	10.11	0	0.00	100.79	4.27	4,911.32	5.64	40.12674	No	40.12674	52	40.12671	315	0.0	
021000066	2	Pig Branch Watershed Culvert Study Update	e Bonham	Watershed Planning	No	\$0	\$0	\$250,000	\$250,000	128	5.39	2,104	7.55	4	3.98	14	7.83	0	0.00	4.80	1.83	145.86	3.48	30.06078	Yes	40.06078	54	30.06076	802	0.0	
101000098	10	Blue Creek Regional Detention Modeling	El Campo	Watershed Planning	No	\$0	\$0	\$150,000	\$150,000	1,589	7.84	4,199	8.17	1	1.68	3	4.27	0	0.00	34.72	3.41	873.98	4.58	29.95145	Yes	39.95145	55	29.95140	810	0.0	
031000197	3	3rd St at Cottonwood Creek and Cottonwood Creek from SW 3rd to FM 1382	Grand Prairie	Project Planning	g No	\$0	\$0	\$637,000	\$637,000	122	5.35	56,176	10.52	1	1.68	12	7.47	0	0.00	5.98	2.00	32.32	2.56	29.56487	Yes	39.56487	56	29.56446	839	0.0	
121000134	12	Evaluation and Prioritization of new Gauge Locations	San Antonio River Authority	Watershed Planning	No	\$0	\$0	\$50,000	\$50,000	19,145	10.26	66,191	10.66	0	0.00	0	0.00	9,511	4.97	753.05	5.89	62,646.10	7.20	38.98973	No	38.98973	57	38.98973	345	0.0	
121000137	12	River Authority WWTP	San Antonio River Authority	Project Planning	g No	\$0	\$0	\$600,000	\$600,000	19,145	10.26	66,191	10.66	0	0.00	0	0.00	9,511	4.97	753.05	5.89	62,646.10	7.20	38.98973	No	38.98973	57	38.98973	345	0.0	
031000480	3	Floodplain Mapping Updates of Bakers Branch	Flower Mound	Watershed Planning	No	\$0	\$0	\$61,000	\$61,000	2,371	8.23	5,406	8.40	237	11.72	1	2.07	0	0.00	141.40	4.54	248.41	3.81	38.77030	No	38.77030	59	38.77027	375	0.0	
061000310	6	Waller County Flood Mapping Updates	Waller County	Watershed Planning	No	\$0	\$0	\$3,500,000	\$3,500,000	1,064	7.45	1,858	7.43	6	4.74	19	8.54	19	1.84	40.92	3.54	1,357.32	4.85	38.39996	No	38.39996	60	38.39996	393	0.0	
111000173	11	Kendall County Drainage Master Plan	Kendall County	Watershed Planning	No	\$2,970,000	\$0	\$330,000	\$3,300,000	1,374	7.70	1,964	7.48	3	3.46	28	9.45	0	0.00	44.38	3.61	24,197.65	6.62	38.32329	No	38.32329	61	38.32324	396	0.0	
061000329	6	I100-WP06 for Vince Bayou Watershed Planning Project	Harris County	Project Planning	; No	\$0	\$0	\$30,000	\$30,000	1,144	7.52	4,840	8.30	11	5.88	1	2.07	1	0.44	19.07	2.93	1.87	0.85	27.99920	Yes	37.99920	62	27.99920	937	0.0	
061000330	6	I100-WP10 for Vince Bayou Watershed Planning Project	Harris County	Project Planning	; No	\$0	\$0	\$30,000	\$30,000	1,144	7.52	4,840	8.30	11	5.88	1	2.07	1	0.44	19.07	2.93	1.87	0.85	27.99920	Yes	37.99920	62	27.99920	937	0.0	
061000331	6	I100-WP07 for Vince Bayou Watershed Planning Project	Harris County	Project Planning	ş No	\$0	\$0	\$30,000	\$30,000	1,144	7.52	4,840	8.30	11	5.88	1	2.07	1	0.44	19.07	2.93	1.87	0.85	27.99920	Yes	37.99920	62	27.99920	937	0.0	
061000332	6	I100-WP11 for Vince Bayou Watershed Planning Project	Harris County	Project Planning	ş No	\$0	\$0	\$30,000	\$30,000	1,144	7.52	4,840	8.30	11	5.88	1	2.07	1	0.44	19.07	2.93	1.87	0.85	27.99920	Yes	37.99920	62	27.99920	937	0.0	
131000112	13	Paulson Falls Subdivision – Location 17	Kingsville	Project Planning	g No	\$0	\$0	\$78,990	\$78,990	175	5.70	700	6.55	175	11.14	0	0.00	3	0.92	0.59	0.45	26.00	2.42	27.18371	Yes	37.18371	66	0.00000	2969	27.2	Greater than 20 points change from SFP.
061000283	6	City of South Houston Master Drainage Plan	n South Houston	Planning	NO	\$0	\$0	\$210,000	\$210,000	1,422	7.73	9,644	8.92	22	7.20	0	0.00	0	0.00	19.35	2.94	0.00	0.00	26.79785	Yes	36.79785	67	26.43063	1070	0.4	
151000102	15	Rio Grande City MDP	Rio Grande City	Watershed Planning	No	\$0	\$0	\$250,000	\$250,000	789	7.16	3,037	7.88	3	3.46	0	0.00	0	0.00	27.68	3.23	1,015.78	4.67	26.40026	Yes	36.40026	68	26.40026	1071	0.0	
031000045	11	Linden to City of Darie Comprehensive	Desis	Planning	NO	\$0	\$U ¢0	\$974,380	\$974,380	904	7.29	3,010	8.04	0	0.00	90	12.19	6	0.00	11.56	2.53	1,206.43	4.78	36.08752	NO	36.08752	59	30.16321	1002	5.9	
121000152	2	Stormwater Plan Study	Paris County Dublic	Watasahad	, No	\$0 ¢0	\$U	\$250,000	\$250,000	11 201	0.91	1,654	10.45	9	0.00	0	0.00	4.535	0.00	252.02	2.01	7 592 26	5.50	20.01505	tes	35.07665	70	25.07560	1092	0.0	
121000153	12	Master Drainage Plan for Bexar County	Works	Planning	No	\$0	\$0	\$150,000	\$150,000	11,201	9.75	52,002	10.45	0	0.00	0	0.00	4,535	4.60	353.03	5.28	7,565.50	5.91	35.97000	No	35.97666	71	35.97666	476	0.0	
101000314	10	HALT (High Water Detection System) Low Water Crossings	Works	Planning	No	\$000,000	\$0 \$0	\$100,000	\$150,000	7 727	9.75	11 710	0.10	10	5.70	0	0.00	4,555	4.00	210.72	5.28	7,363.30	5.91	35.97000	No	35.97000	71	30.34802	476	2.4	
0210000214	2	Master Drainage Plan	Drainage District 11	Assessment	No	\$900,000	\$0	\$500,000	\$1,000,000	1,040	7.44	42.049	10.28	10	4.74	7	6.00	0	1.00	215.73	4.50	71 51	2.04	25 92942	No	25 93943	73	24 77094	527	-5.4	
111000160	11	City of San Marcos USACE Perioaal Election	san Marcos	Planning	No	\$0	\$0	\$925.000	\$925.000	1,049	7.44	+3,048	10.20	0	4.74	12	7.47	4	1.00	22.52	3.00	1 112 00	3.04	35,02042	No	35.02042	74	35.72070	557	1.1	
031000409	3	Mitigation Bypass Channel Project Planning	Flower Mound	Watershed	No	\$0	\$0	\$80,000	\$80,000	1,330	6.50	0,009	6.02	3	3.40	12	0.00	0	0.00	124 50	5.29	4 501 60	4.73	34 6165	INO No	33.23302	75	34 61654	210	0.0	
0.51000484		Branch		Planning			20	200,000	200,000	296	0.50	490	0.24	203	11.04	U	0.00	U	0.00	124.30	4.44	4,391.08	5.00	24.01035	INO	34.01035	/0	57.01034	244	0.0	

FME ID	Region Number	FME Name	Sponsor	FME Туре	Previously Awarded FM 2019-2022	IA Federal Funds	Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures at Risk ArcSinh (Weighted)	Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Raw	Critical Facilities ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closures Raw	Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
081000678	8	Region 8 - Lower Brazos	Bryan	Preliminary Engineering	No	\$0	\$0	\$592,000	\$592,000	300	6.22	1,200	7.04	2	2.75	5	5.43	5	1.17	5.00	1.86	0.00	0.00	24.46299	Yes	34.46299	77	27.19546	995	-2.7	
111000018	11	City of Gonzales Tinsley Creek Improvement Project Planning	Gonzales	Project Planni	ing No	\$3,375,101.60	\$0	\$600,000	\$3,975,102	403	6.51	758	6.62	0	0.00	5	5.43	0	0.00	7.47	2.18	202.32	3.68	24.42231	Yes	34.42231	1 78	24.42215	1185	0.0	
111000019	11	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Gonzales	Project Planni	ing No	\$403,365.40	\$0	\$430,000	\$833,365	403	6.51	758	6.62	0	0.00	5	5.43	0	0.00	7.47	2.18	202.32	3.68	24.42231	Yes	34.42231	. 78	24.42215	1185	0.0	
061000528	6	Little Cypress Creek Local Drainage Study	Harris County	Watershed Planning	No	\$0	\$0	\$567,912	\$567,912	1,213	7.58	2,734	7.78	14	6.34	4	4.92	4	1.06	18.59	2.91	192.02	3.65	34.23985	No	34.23985	5 80	34.23985	562	0.0	
031000485	3	Floodplain Mapping Updates of McKamy Creek	Flower Mound	Watershed Planning	No	\$0	\$0	\$65,000	\$65,000	1,519	7.80	3,028	7.88	174	11.13	0	0.00	0	0.00	87.68	4.16	92.50	3.20	34.16526	No	34.16526	81	34.16527	567	0.0	
031000487	3	Floodplain Mapping Updates of Sharps Branch	Flower Mound	Watershed Planning	No	\$0	\$0	\$64,000	\$64,000	948	7.34	899	6.78	163	11.01	0	0.00	0	0.00	95.05	4.22	1,188.24	4.77	34.11558	No	34.11558	8 82	34.11556	569	0.0	
081001286	8	Taylor/Elm Storm Infrastructure & Outfall	Waco	Preliminary Engineering	No	\$0	\$0	\$917,000	\$917,000	547	6.80	1,253	7.08	3	3.46	0	0.00	49	2.31	11.04	2.49	9.30	1.80	23.94259	Yes	33.94259	83	17.18037	1804	6.8	
111000005	11	Caldwell County ESD #3 Drainage Improvement Plan	Caldwell County	Watershed Planning	No	\$0	\$0	\$1,000,000	\$1,000,000	724	7.08	2,021	7.51	1	1.68	13	7.65	5	1.17	23.30	3.09	5,084.78	5.66	33.83694	No	33.83694	1 84	32.66945	657	1.2	
111000010	11	City of Cibolo Flood Hazard Mitigation Preparedness Project for Hazard Mitigation and Improved Access	Cibolo	Preparedness	No	\$0	\$0	\$600,000	\$600,000	846	7.23	2,283	7.62	5	4.40	8	6.52	0	0.00	25.20	3.15	1,157.08	4.75	33.67381	No	33.67381	1 85	33.67389	581	0.0	
031000501	3	Floodplain Mapping Updates of Timber Creek Tributary 16	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	874	7.26	3,364	7.97	85	9.77	0	0.00	0	0.00	71.01	3.99	260.14	3.84	32.82482	No	32.82482	2 86	32.82484	643	0.0	
061000464	6	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood	Harris County	Project Planni	ing No	\$0	\$0	\$30,000	\$30,000	812	7.19	2,731	7.78	24	7.36	2	3.39	2	0.73	18.83	2.92	96.27	3.23	32.60147	No	32.60147	7 87	32.60147	658	0.0	
031000293	3	Quil Miller Creek Watershed Study	Burleson	Watershed Planning	No	\$0	\$0	\$500,000	\$500,000	234	5.98	6,235	8.53	2	2.75	19	8.54	0	0.00	6.33	2.05	1,015.49	4.67	32.51656	No	32.51656	5 88	32.51610	668	0.0	
061000485	6	Newcastle/ Kilmarnock Area Drainage Improvements	Bellaire	Project Planni	ing No	\$0	\$0	\$1,000,000	\$1,000,000	5,877	9.11	25,741	9.81	69	9.37	0	0.00	0	0.00	70.92	3.99	0.16	0.10	32.38129	No	32.38129	89	32.38129	681	0.0	
061000488	6	Chimney Rock Area Drainage Improvements	Bellaire	Project Planni	ing No	\$0	\$0	\$1,000,000	\$1,000,000	5,877	9.11	25,741	9.81	69	9.37	0	0.00	0	0.00	70.92	3.99	0.16	0.10	32.38129	No	32.38129	89	32.38129	681	0.0	
111000001	11	Blanco County Low Water Crossing Improvement Study	Blanco County	Watershed Planning	No	\$0	\$0	\$250,000	\$250,000	177	5.71	272	5.70	0	0.00	33	9.84	78	2.55	16.46	2.81	5,740.23	5.74	32.33867	No	32.33867	91	29.78913	822	2.5	
121000018	12	Hueber Creek Drainage Improvements Project	Leon Valley	Project Planni	ing No	\$0	\$0	\$650,000	\$650,000	10,000	9.63	3,109	7.90	2	2.75	0	0.00	0	0.00	2.40	1.29	0.00	0.00	21.57064	Yes	31.57064	1 92	9.39946	2399	12.2	Greater than 10 but less than 20 points change from SFP.
021000033	2	Wadley Hospital Flood Study	Texarkana	Project Planni	ing No	\$0	\$0	\$250,000	\$250,000	226	5.95	1,229	7.06	6	4.74	0	0.00	0	0.00	10.34	2.44	3.67	1.23	21.41718	Yes	31.41718	93	21.41756	1402	0.0	
031000491	3	Floodplain Mapping Updates of Stream WB- 1	Flower Mound	Watershed Planning	No	\$0	\$0	\$63,000	\$63,000	436	6.58	376	5.99	87	9.81	0	0.00	0	0.00	26.11	3.18	1,048.83	4.69	30.26190	No	30.26190	94	30.26190	769	0.0	
031000122	3	Hackberry Gully and Cotton Bayou Shelving Study	Chambers County	Project Planni	ing No	\$8,715,969	\$0	\$968,440	\$9,684,409	1,037	7.43	11,522	9.08	12	6.05	0	0.00	0	0.00	14.45	2.71	1,544.70	4.93	30.19625	No	30.19625	5 95	30.19635	774	0.0	
111000058	11	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	San Marcos	Riverine	No	\$0	\$0	\$187,500	\$187,500	758	7.12	5,226	8.37	2	2.75	4	4.92	0	0.00	18.00	2.88	420.00	4.13	30.17016	No	30.17016	96	30.16586	776	0.0	
111000060	11	City of San Marcos – Extension of River Ridge Parkway West Project Planning	San Marcos	Riverine	No	\$0	\$0	\$372,500	\$372,500	758	7.12	5,226	8.37	2	2.75	4	4.92	0	0.00	18.00	2.88	420.00	4.13	30.17016	No	30.17016	96	30.16586	776	0.0	
061000496	6	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	Liberty County WCID	1 Project Planni	ing No	\$0	\$0	\$350,000	\$350,000	769	7.14	2,690	7.77	22	7.20	0	0.00	0	0.00	20.84	3.00	1,344.55	4.84	29.94975	No	29.94975	5 98	29.94975	812	0.0	
061000495	6	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	Liberty County WCID	1 Project Planni	ing No	\$0	\$0	\$370,000	\$370,000	763	7.13	2,677	7.76	22	7.20	0	0.00	0	0.00	20.85	3.00	1,344.45	4.84	29.93809	No	29.93809	99 99	29.93809	813	0.0	
061000498	6	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	Liberty County WCID	1 Project Planni	ing No	\$0	\$0	\$176,000	\$176,000	763	7.13	2,677	7.76	22	7.20	0	0.00	0	0.00	20.79	3.00	1,343.65	4.84	29.93541	No	29.93541	100	29.93541	814	0.0	
031000505	3	Floodplain Mapping Updates of Unnamed 4	Flower Mound	Watershed Planning	No	\$0	\$0	\$60,000	\$60,000	605	6.90	374	5.98	57	9.01	0	0.00	0	0.00	46.93	3.65	421.91	4.13	29.68422	No	29.68422	2 101	29.68429	826	0.0	
031000224	3	Shady Grove Rd, Gilbert Rd, Wright Blvd	Grand Prairie	Project Planni	ing No	\$0	\$0	\$250,000	\$250,000	215	5.90	23,489	9.73	3	3.46	4	4.92	0	0.00	6.09	2.02	170.20	3.58	29.59553	No	29.59553	3 102	29.59567	833	0.0	

FME ID	Region Number	FME Name	Sponsor	FME Туре	Previously Awarded FM 2019-2022	A Federal Funds	5 Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures at Risk ArcSinh (Weighted)	Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Raw	Critical Facilities ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closure: Raw	Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	+ FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
0310001	88 3	Carrier Parkway at Dalworth Creek	Grand Prairie	Project Plannir	ng No	\$0	\$0	\$250,000	\$250,000	30	3.98	6,563	8.57	0	0.00	3	4.27	(0.00	0.96	0.69	10.40	1.86	19.37584	¥ Yes	29.37584	4 103	19.37566	1597	0.0	
0310005	3	Floodplain Mapping Updates of Timber Creek Tributary 17	Flower Mound	Watershed Planning	No	\$0	\$0	\$57,000	\$57,000	413	6.53	1,335	7.13	53	8.87	0	0.00	(0.00	56.65	3.81	47.87	2.80	29.14159) No	29.14159	9 104	29.14153	874	0.0	
0810012	99 8	Cedar Park Drainage Master Plan	Cedar Park	Project Plannir	ng No	\$0	\$0	\$850,000	\$850,000	269	6.11	819	6.69	0	0.00	12	7.47	130	2.81	5.40	1.92	398.70	4.10	29.10166	5 No	29.10166	5 105	29.10166	878	0.0	
0310004	90 3	Floodplain Mapping Updates of Stream SB-1	Flower Mound	Watershed Planning	No	\$0	\$0	\$57,000	\$57,000	406	6.51	254	5.63	60	9.11	0	0.00	(0.00	42.46	3.57	461.07	4.19	29.01795	5 No	29.01795	5 106	29.01795	883	0.0	
0310002	3	Henry Branch Stream Stabilization	Grand Prairie	Project Plannir	ng No	\$0	\$0	\$250,000	\$250,000	42	4.31	8,672	8.83	0	0.00	2	3.39	(0.00	1.14	0.79	7.94	1.70	19.01029	9 Yes	29.01029	9 107	19.00782	1632	0.0	
0310005	07 3	Floodplain Mapping Updates of Unnamed 5 Tributary 1	Flower Mound	Watershed Planning	No	\$0	\$0	\$57,000	\$57,000	524	6.76	418	6.08	79	9.63	0	0.00	(0.00	33.78	3.39	68.03	3.01	28.88193	8 No	28.88193	3 108	28.88202	892	0.0	
0310004	96 3	Floodplain Mapping Updates of TC-2 Tributary 4	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	484	6.69	1,909	7.46	57	9.01	0	0.00	(0.00	30.78	3.31	11.26	1.91	28.38008	3 No	28.38008	8 109	28.38006	917	0.0	
0310004	3	Rush Creek RC1 and RC1A Improvements	Arlington	Project Plannir	ng No	\$0	\$0	\$700,000	\$700,000	3,093	8.49	9,279	8.89	3	3.46	2	3.39	1	0.73	26.30	3.19	0.00	0.00	28.14371	No	28.14371	1 110	39.05218	343	-10.9	Greater than 10 but less than 20 points change from SFP.
0310005	3	Floodplain Mapping Updates of Tributary C to Timber Creek	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	625	6.93	4,321	8.20	57	9.01	0	0.00	(0.00	46.93	3.65	0.22	0.14	27.93026	5 No	27.93026	6 111	27.93032	944	0.0	
0410000	99 4	High Street Underpass Flooding Mitigation	Longview	Project Plannir	ng No	\$0	\$0	\$300,000	\$300,000	33	4.07	499	6.24	0	0.00	6	5.85	6	i 1.26	0.00	0.00	0.00	0.00	17.42828	3 Yes	27.42828	8 112	10.31362	2329	7.1	
0310005	03 3	Floodplain Mapping Updates of Timber Creek Tributary 18	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	444	6.60	654	6.49	42	8.43	0	0.00	(0.00	48.53	3.68	17.80	2.19	27.39340) No	27.39340	D 113	27.39341	985	0.0	
0310004	3	Floodplain Mapping Updates of Sharps Branch Tributary 3	Flower Mound	Watershed Planning	No	\$0	\$0	\$59,000	\$59,000	124	5.36	306	5.80	53	8.87	0	0.00	(0.00	20.69	3.00	338.92	4.00	27.03018	3 No	27.03018	8 114	27.03002	1011	0.0	
0310004	3	Floodplain Mapping Updates of Bakers Branch Tributary 1	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	526	6.77	516	6.27	45	8.56	0	0.00	(0.00	36.97	3.46	6.35	1.56	26.62675	5 No	26.62675	5 115	26.62675	1043	0.0	
0810009	8	Integrated Stormwater Management Model (ISWMM) Phase 4	Sugar Land	Watershed Planning	No	\$0	\$0	\$233,000	\$233,000	442	6.60	835	6.71	2	2.75	0	0.00	96	δ 2.65	18.44	2.90	1,687.17	4.98	26.59529) No	26.59529	9 116	26.59530	1044	0.0	
1510002	15	MI13a1 & MI13a2 Spikes & Jupiter	Mission	Project Plannir	ng Yes	\$288,000	\$0	\$32,000	\$320,000	291	6.19	503	6.25	0	0.00	0	0.00	(0.00	5.76	1.97	16.75	2.15	16.57024	I Yes	26.57024	4 117	16.57035	1852	0.0	
0610002	6	City of Huntsville Master Drainage Plan	Huntsville	Watershed Planning	No	\$0	\$0	\$700,000	\$700,000	114	5.28	244	5.60	0	0.00	1	2.07	1	0.44	2.70	1.38	9.27	1.79	16.56825	5 Yes	26.56825	5 118	16.56825	1853	0.0	
0310004	95 3	Floodplain Mapping Updates of TC-2 Tributary 2	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	388	6.47	650	6.48	41	8.38	0	0.00	(0.00	44.94	3.62	3.14	1.14	26.09997	7 No	26.09997	7 119	26.10003	1089	0.0	
1110000	137 11	City of Luling Stormwater Collection System Replacement	Luling	Watershed Planning	No	\$0	\$0	\$8,833,000	\$8,833,000	74	4.86	199	5.41	0	0.00	0	0.00	(0.00	6.27	2.04	209.52	3.70	16.01684	1 Yes	26.01684	4 120	16.01662	1909	0.0	
0610005	56 6	Brookshire-Katy Drainage District Watershed Study	Brookshire-Katy Drainage District	Project Plannir	ng No	\$0	\$0	\$500,000	\$500,000	217	5.91	594	6.40	2	2.75	2	3.39		. 0.73	6.63	2.08	522.13	4.26	25.52174	l No	25.52174	4 121	25.52258	1120	0.0	
0910001	.42 9	I-20_Playa_to _Pit	Midland County	Project Plannir	ng No	\$0	\$0	\$260,000	\$260,000	1,782	7.95	2,550	7.72	3	3.46	0	0.00	(0.00	75.86	4.04	22.52	2.34	25.50880) No	25.50880	0 122	25.50879	1121	0.0	
0310004	88 3	Floodplain Mapping Updates of Stream SB-1 Tributary 1	Flower Mound	Watershed Planning	No	\$0	\$0	\$60,000	\$60,000	58	4.62	17	3.19	163	11.01	0	0.00	(0.00	11.22	2.50	210.85	3.71	25.03302	2 No	25.03302	2 123	25.03316	1145	0.0	
0310004	99 3	Floodplain Mapping Updates of Timber Creek Tributary 11	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	384	6.46	881	6.76	38	8.24	0	0.00	(0.00	37.01	3.46	0.15	0.09	25.01367	No No	25.01367	7 124	25.01367	1150	0.0	
0810012	98 8	Nolanville Drainage Master Plan	Nolanville	Project Plannir	ng No	\$0	\$0	\$564,000	\$564,000	96	5.11	125	4.99	1	1.68	3	4.27	50	2.33	7.00	2.13	610.10	4.36	24.86451	No	24.86451	1 125	24.86451	1153	0.0	
0310004	3	Floodplain Mapping Updates of Bakers Branch Tributary 2	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	346	6.36	468	6.19	43	8.47	0	0.00	(0.00	37.12	3.47	0.24	0.14	24.63010) No	24.63010	0 126	24.63001	1170	0.0	
0310004	94 3	Floodplain Mapping Updates of Stream WC- 4	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	59	4.64	95	4.74	29	7.72	0	0.00	(0.00	34.63	3.41	206.29	3.69	24.21311	No	24.21311	1 127	24.21304	1202	0.0	
0310005	3	Floodplain Mapping Updates of Unnamed Tributary to Bakers Branch	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	245	6.02	454	6.16	37	8.19	0	0.00	(0.00	34.91	3.42	0.23	0.14	23.92795	5 No	23.92795	5 128	23.92786	1230	0.0	

FME ID	Region Number	FME Name	Sponsor	FME Type	Previously Awarded FMA 2019-2022	Federal Funds	Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures at Risk ArcSinh (Weighted)	Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Raw	Critical Facilities ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closures Raw	Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
031000489	3	Floodplain Mapping Updates of Stream SB-1 Tributary 2	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	123	5.35	108	4.86	25	7.44	0	0.00	0	0.00	21.33	3.02	71.06	3.04	23.71787	No	23.71787	129	23.71791	1238	0.0	
031000483	3	Floodplain Mapping Updates of Graham Branch Tributary 10	Flower Mound	Watershed Planning	No	\$0	\$0	\$59,000	\$59,000	40	4.26	105	4.84	29	7.72	0	0.00	0	0.00	13.68	2.66	461.37	4.19	23.67317	No	23.67317	130	23.67293	1242	0.0	
031000492	3	Floodplain Mapping Updates of Stream WC- 1	Flower Mound	Watershed Planning	No	\$0	\$0	\$58,000	\$58,000	116	5.30	114	4.91	26	7.52	0	0.00	0	0.00	15.98	2.79	73.77	3.06	23.57527	No	23.57527	131	23.57537	1247	0.0	
031000497	3	Floodplain Mapping Updates of Timber Creek Tributary 9	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	248	6.04	708	6.56	27	7.59	0	0.00	0	0.00	15.36	2.76	0.92	0.51	23.44862	No	23.44862	132	23.44862	1255	0.0	
081000945	8	Chandler Branch Trib. 3	Round Rock	Feasibility Assessment	No	\$0	\$0	\$788,047	\$788,047	21	3.64	38	3.92	0	0.00	1	2.07	13	1.65	0.40	0.31	9.80	1.83	13.40766	Yes	23.40766	133	13.41694	2100	0.0	
121000157	12	Rockwood Creek (SA-39)	Bexar County Public Works	Project Planning	No	\$0	\$0	\$100,000	\$100,000	120	5.33	293	5.76	0	0.00	0	0.00	10	1.51	0.77	0.57	0.00	0.00	13.17703	Yes	23.17703	134	13.17703	2123	0.0	
111000055	11	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	San Marcos	Riverine	No	\$0	\$0	\$338,750	\$338,750	159	5.60	349	5.92	0	0.00	0	0.00	0	0.00	3.00	1.46	0.00	0.00	12.98767	Yes	22.98767	135	12.98874	2137	0.0	
061000497	6	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	Liberty County WCID 1	Project Planning	No	\$0	\$0	\$150,000	\$150,000	553	6.82	675	6.52	1	1.68	0	0.00	0	0.00	15.71	2.77	782.98	4.51	22.29724	No	22.29724	136	22.29724	1334	0.0	
111000056	11	City of San Marcos Low Water Crossing at Jackman Project Planning	San Marcos	Riverine	No	\$0	\$0	\$187,500	\$187,500	221	5.92	1,210	7.05	0	0.00	2	3.39	0	0.00	4.00	1.69	392.00	4.09	22.13282	No	22.13282	137	22.05857	1345	0.1	
111000057	11	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	San Marcos	Riverine	No	\$0	\$0	\$250,000	\$250,000	221	5.92	1,210	7.05	0	0.00	2	3.39	0	0.00	4.00	1.69	392.00	4.09	22.13282	No	22.13282	137	22.05857	1345	0.1	
111000059	11	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	San Marcos	Riverine	No	\$0	\$0	\$187,500	\$187,500	221	5.92	1,210	7.05	0	0.00	2	3.39	0	0.00	4.00	1.69	392.00	4.09	22.13282	No	22.13282	137	22.05857	1345	0.1	
101000082	10	Lago Vista Drainage Master Plan	Lago Vista	Watershed Planning	No	\$0	\$0	\$400,000	\$400,000	543	6.80	754	6.62	1	1.68	0	0.00	0	0.00	10.48	2.45	657.77	4.41	21.94798	No	21.94798	140	21.94825	1349	0.0	
031000049	3	West Fork of the Trinity River Levee Failure Hydrologic Study	River Oaks	Riverine	No	\$0	\$0	\$200,000	\$200,000	1,263	7.62	3,097	7.90	0	0.00	0	0.00	0	0.00	14.73	2.72	153.11	3.51	21.74860	No	21.74860	141	56.40644	35	-34.7	Greater than 20 points change from SFP.
031000232	3	Shady Grove Road	Grand Prairie	Project Planning	No	\$0	\$0	\$337,000	\$337,000	165	5.64	6,341	8.54	1	1.68	0	0.00	0	0.00	5.65	1.96	265.26	3.85	21.66538	No	21.66538	142	21.66602	1367	0.0	
031000500	3	Floodplain Mapping Updates of Timber Creek Tributary 13	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	159	5.60	857	6.73	13	6.20	0	0.00	0	0.00	15.47	2.76	0.00	0.00	21.29970	No	21.29970	143	21.29960	1415	0.0	
061000013	6	City of Bellaire Local Drainage System Asset Management	Bellaire	Project Planning	No	\$0	\$0	\$300,000	\$300,000	5,877	9.11	3,109	7.90	2	2.75	0	0.00	0	0.00	2.40	1.29	0.16	0.10	21.15149	No	21.15149	144	32.38129	681	-11.2	Greater than 10 but less than 20 points change from SFP.
031000506	3	Floodplain Mapping Updates of Unnamed 5 Tributary 1.2	Flower Mound	Watershed Planning	No	\$0	\$0	\$58,000	\$58,000	91	5.06	82	4.61	29	7.72	0	0.00	0	0.00	7.99	2.23	4.27	1.32	20.95358	No	20.95358	145	20.95318	1448	0.0	
031000205	3	Shady Grove Road – Jones Street Storm Drainage Improvements	Grand Prairie	Project Planning	No	\$0	\$0	\$250,000	\$250,000	140	5.48	4,325	8.20	1	1.68	0	0.00	0	0.00	4.85	1.84	168.96	3.57	20.76228	No	20.76228	146	20.76153	1468	0.0	
031000493	3	Floodplain Mapping Updates of Stream WC- 3	Flower Mound	Watershed Planning	No	\$0	\$0	\$56,000	\$56,000	69	4.79	56	4.27	14	6.34	0	0.00	0	0.00	13.88	2.68	32.41	2.56	20.63409	No	20.63409	147	20.63386	1476	0.0	
031000076	3	City of Corinth FME	Corinth	Watershed Planning	No	\$0	\$0	\$250,000	\$250,000	110	5.25	361	5.95	2	2.75	1	2.07	0	0.00	3.74	1.63	47.92	2.80	20.44538	No	20.44538	148	23.75870	1235	-3.3	
031000498	3	Floodplain Mapping Updates of Timber Creek Tributary 10	Flower Mound	Watershed Planning	No	\$0	\$0	\$55,000	\$55,000	162	5.62	153	5.18	17	6.71	0	0.00	0	0.00	14.96	2.74	0.00	0.00	20.24208	No	20.24208	149	20.24219	1524	0.0	
151000093	15	Risk Area 5 Debona Drive	Eagle Pass	Project Planning	No	\$0	\$0	\$400,000	\$400,000	8	2.70	134	5.06	0	0.00	0	0.00	4	1.06	1.08	0.75	0.00	0.00	9.56810	Yes	19.56810	150	7.71698	2497	1.9	
151000092	15	Risk Area 4 Bibb & Misty Willow Storm Drain	Eagle Pass	Project Planning	No	\$0	\$0	\$350,000	\$350,000	36	4.16	118	4.94	0	0.00	0	0.00	0	0.00	0.45	0.35	0.00	0.00	9.44841	Yes	19.44841	151	8.04485	2474	1.4	
061000499	6	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	Liberty County WCID 1	Project Planning	No	\$0	\$0	\$440,000	\$440,000	356	6.39	438	6.13	0	0.00	0	0.00	0	0.00	7.00	2.13	702.02	4.45	19.08715	No	19.08715	152	19.08715	1621	0.0	
151000088	15	Risk Area 13 Calle De Los Santos Neighborhood	Eagle Pass	Project Planning	No	\$0	\$0	\$200,000	\$200,000	22	3.68	116	4.93	0	0.00	0	0.00	0	0.00	0.56	0.43	0.07	0.04	9.07495	Yes	19.07495	153	6.73102	2559	2.3	
131000190	13	City of Kingsville 2018 Drainage Master Plan– Location 9	Kingsville	Project Planning	No	\$0	\$0	\$92,349	\$92,349	12	3.09	106	4.84	0	0.00	0	0.00	0	0.00	0.77	0.57	0.00	0.00	8.50645	Yes	18.50645	154	8.50424	2436	0.0	

FME ID	Region Number	FME Name	Sponsor	FME Туре	Previously Awarded FM 2019-2022	1A Federal Fund	ds Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures at Risk ArcSinh (Weighted)	Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Raw	Critical Facilities ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closures Raw	Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
151000086	15	Risk Area 11 Rancho Escondido	Eagle Pass	Project Plannin	g No	\$0	\$0	\$1,000,000	\$1,000,000	20	3.59	91	4.71	0	0.00	0	0.00	0	0.00	0.27	0.21	0.00	0.00	8.50524	Yes	18.50524	155	8.08171	2469	0.4	
031000361	3	North Delaware Creek Phases 2 & 3	Irving	Project Plannin	g No	\$0	\$0	\$1,000,000	\$1,000,000	96	5.11	262	5.66	0	0.00	4	4.92	10	1.51	2.34	1.28	0.00	0.00	18.48362	No	18.48362	156	10.21327	2333	8.3	
061000323	6	B106-WP01 & WP02 for Armand Bayou Watershed	Harris County	Project Plannin	g No	\$0	\$0	\$30,000	\$30,000	473	6.66	1,478	7.23	0	0.00	0	0.00	0	0.00	7.05	2.13	20.94	2.29	18.31456	No	18.31456	157	18.31456	1698	0.0	
131000191	13	Carriage Park 2 Subdivision – Location 15	Kingsville	Project Plannin	g No	\$0	\$O	\$128,428	\$128,428	18	3.49	42	4.01	0	0.00	0	0.00	0	0.00	0.24	0.19	0.71	0.41	8.08900	Yes	18.08900	158	8.08714	2468	0.0	
131000188	13	City of Kingsville 2018 Drainage Master Plan– Location 2	Kingsville	Project Plannin	g No	\$0	\$0	\$124,164	\$124,164	21	3.64	41	3.98	0	0.00	0	0.00	0	0.00	0.44	0.34	0.00	0.00	7.96369	Yes	17.96369	159	7.96032	2478	0.0	
061000290	6	Taylor Lake Village Flood Mitigation Assistance 2022 Capability and Capacity Building (C&CB) Project Scoping	Taylor Lake Village	Watershed Planning	Yes	\$420,000	\$0	\$140,000	\$560,000	852	7.24	1,955	7.48	0	0.00	0	0.00	0	0.00	13.33	2.64	0.00	0.00	17.35779	No	17.35779	160	17.35779	1791	0.0	
061000065	6	Hickory Slough Lower Segment	Pearland	Project Plannin	g No	\$0	\$0	\$1,048,000	\$1,048,000	424	6.56	1,097	6.96	0	0.00	0	0.00	0	0.00	6.26	2.04	4.77	1.39	16.94284	No	16.94284	161	16.94284	1818	0.0	
081000890	8	Loop 340 Berm & Frontage Road Improvements	Waco	Project Plannin	g No	\$0	\$0	\$300,000	\$300,000	117	5.31	218	5.50	0	0.00	0	0.00	1	0.44	2.71	1.39	377.30	4.07	16.69673	No	16.69673	162	12.97430	2138	3.7	
031000481	3	Floodplain Mapping Updates of Graham Branch Tributary 3	Flower Mound	Watershed Planning	No	\$0	\$0	\$57,000	\$57,000	3	1.77	1	0.80	24	7.36	0	0.00	0	0.00	12.67	2.60	259.93	3.84	16.36858	No	16.36858	163	16.36852	1882	0.0	
021000035	2	Cowhorn West Creek	Texarkana	Watershed Planning	No	\$0	\$0	\$250,000	\$250,000	247	6.03	1,678	7.34	0	0.00	0	0.00	0	0.00	8.50	2.28	1.38	0.69	16.34745	No	16.34745	164	16.34748	1884	0.0	
121000113	12	New Drainage Analysis to Update/Revise Flood Maps	La Coste	Watershed Planning	No	\$0	\$0	\$100,000	\$100,000	170	5.67	263	5.67	0	0.00	0	0.00	23	1.93	4.22	1.73	1.40	0.70	15.69243	No	15.69243	165	15.69243	1930	0.0	
081001066	8	Hope's Creek Flood Insurance Study	College Station	Watershed Planning	No	\$0	\$0	\$158,000	\$158,000	37	4.19	62	4.36	0	0.00	0	0.00	5	1.17	1.34	0.89	702.50	4.45	15.04551	No	15.04551	166	15.04462	1972	0.0	
061000489	6	Elkins Lake Watershed Drainage Plan	Huntsville	Watershed Planning	No	\$0	\$0	\$300,000	\$300,000	69	4.79	141	5.10	0	0.00	1	2.07	1	0.44	2.11	1.20	2.81	1.08	14.68580	No	14.68580	167	14.68580	2001	0.0	
121000130	12	Wastewater Treatment Plant Relocation Project	Bandera	Project Plannin	g No	şo	\$0	\$1,350,000	\$1,350,000	2	1.40	0	0.00	1	1.68	0	0.00	2	0.73	0.01	0.01	0.79	0.45	4.26313	Yes	14.26313	168	2.58652	2773	1.7	
031000423	3	Timber Creek Road Bridges Erosion Stabilization	Flower Mound	Project Plannin	g No	\$0	\$0	\$250,000	\$250,000	30	3.98	4,903	8.31	0	0.00	0	0.00	0	0.00	0.29	0.23	5.83	1.51	14.03396	No	14.03396	169	14.03229	2057	0.0	
151000120	6	Cowart Creek Segment 16	Pearland	Project Plannin		\$0	\$0	\$1,000,000	\$1,000,000	150	5.55	2/8	5.72		0.00	0	0.00	0	0.00	1.11	0.77	7.82	1.69	13.72176	NO	13.72176	170	13./21/6	2079	0.0	
031000483	15	RSWF B	Clause Maurid	Planning	No	\$0	50	\$61,900	\$51,900		0.80	0	2.51	13	0.00	0	0.00	0	0.00	5.00	1.90	45.70	0.00	12 24627	Tes	12.36775	171	12.24627	2969	5.4	
031000482	3	Branch Tributary 9	Flower Mound	Planning Project Planning	no No	\$0	50	\$350,000	\$350,000	30	1.77	1	6.84	12	0.05	0	0.00	0	0.00	1.45	1.80	45.70	1.05	13.24027	No	12.06140	172	13.24027	2110	0.0	
101000086	10	Citywide Drainage Study	San Leanna	Watershed	No	\$0	\$0	\$230,000	\$300.000	49	4.24	114	4.91	0	0.00	0	0.00	0	0.00	0.40	0.34	97.92	3.05	12 91967	No	12 91967	173	12 91735	2134	0.0	
031000509	3	Elondalain Manning Lindates of WB-1	Flower Mound	Planning	No	\$0	\$0	\$59,000	\$59,000	2	1.40	211	3.38	7	5.03	0	0.00	0	0.00	1.90	1.09	12.01	2.00	12 80580	No	12.81580	175	12.89502	2112	0.0	
121000158	12	Tributary 1	Beyar County Public	Planning Project Planning	g No	\$0	\$0	\$250.000	\$250.000	40	4.26	94	4 74		0.00	0	0.00	15	1 72	0.88	0.64	1.51	0.79	12 14513	No	12 14513	175	12 14543	2205	0.0	
131000111	13	FM 1356 Channel Improvements – Location	Works	Project Plannin	e No	\$0	\$0	\$157.622	\$157.622	40	0.00		0.00		0.00	0	0.00	5	1.17	0.03	0.04	0.93	0.79	1.69537	Yes	11.69537	173	1.69188	2821	0.0	
031000414	3	16 Peran Acres Floodway Lot Acquisitions	Flower Mound	Project Planning	e No	\$0	\$0	\$250,000	\$250.000	22	3.68	305	5.80		0.00	0	0.00	0	0.00	1 26	0.02	1 / 2	0.51	11 05585	No	11.05585	172	11.05661	2021	0.0	
121000164	12	Abbott Road and Gravtown Road at	Bexar County Public	Project Plannin	e No	\$0	\$0	\$300.000	\$300.000	7	2.58	12	2.80		0.00	1	2.00	3	0.00	0.64	0.03	15.62		11.03383	No	11.03154	173	11.03038	2275	0.0	
061000029	6	Martinez Creek Study	Works	Project Plannin	e No	\$0	50	\$150,000	\$150.000	,	0.00		0.00	0	0.00	0	0.00	0	0.02	0.04	0.00	0.00	0.00	0.00000	Vac	10.00000	180	0.00000	2273	0.0	
	ľ	Assessment				֥	÷.	2250,000			0.00		0.00		0.00	0	0.00		0.00	0.00	0.00	0.00	0.00	0.0000		13.00000	130	0.00000	2305		

FME ID	Region Number	FME Name	Sponsor	FME Туре	Previously Awarded FM 2019-2022	A Federal Fund	ds Other Funds	Requested TWDB Funds	Total Project Cost	Structures at Risk Raw	Structures a Risk ArcSinh (Weighted	t Pop at Risk Raw	Pop at Risk ArcSinh (Weighted)	Critical Facilities Rav	Critical Facilities v ArcSinh (Weighted)	LWC Raw	LWC ArcSinh (Weighted)	Road Closures Raw	s Road Closures ArcSinh (Weighted)	Road Miles Raw	Road Miles ArcSinh (Weighted)	Ag Land Raw	Ag Land ArcSinh (Weighted)	Total Score (with ArcSinh Normalization) ¹	≤85% of State AMHI	Total Score + FME AMHI Points 2	FIF FME Prioritization (Basis for FIF Prioritization) ³	State Flood Plan FME Total Score ⁴	State Flood Plan FME Rank ⁴	Difference in FIF (Not including AMHI Pts) & SFP Score (FIF Score - SFP Score) ⁵	TWDB Comments Regarding Difference in FIF & SFP Scores
151000119	15	Addendum To The Master Watershed Study RSWF A	/ Del Rio	Watershed Planning	No	\$0	\$0	\$81,906	\$81,906	C	0.0	10	0 0.00		0 0.00	0	0.00	C	0.00	0.00	0.00	0.00	0.00	0.00000	Yes	10.00000	180	0.00000	2969	0.0	
061000027	6	Lake Shadows Subdivision Drainage Improvements	Harris County	Project Planni	ing No	\$0	\$0	\$280,000	\$280,000	41	4.2	9 14	9 5.15		0 0.00	0	0.00	C	0.00	0.00	0.00	0.48	0.28	9.72134	No	9.72134	182	9.72134	2366	0.0	
061000490	6	Spring Lake Watershed Plan	Huntsville	Watershed Planning	No	\$0	\$0	\$300,000	\$300,000	38	4.:	1 6	9 4.46	i	0 0.00	0	0.00	C	0.00	0.52	0.40	0.00	0.00	9.06867	No	9.06867	183	9.06867	2409	0.0	
031000513	3	Floodplain Mapping Updates of Wichita Chase Tributary	Flower Mound	Watershed Planning	No	\$0	\$0	\$60,000	\$60,000	C	0.0	10 70	4 6.56		0 0.00	0	0.00	C	0.00	0.05	0.04	9.53	1.81	8.40577	No	8.40577	184	8.40397	2442	0.0	
021000037	2	Stream WC-1	Texarkana	Project Planni	ing No	\$0	\$0	\$250,000	\$250,000	8	2.5	70 3	1 3.75		0 0.00	0	0.00	C	0.00	0.52	0.40	4.31	1.33	8.16349	No	8.16349	185	8.16602	2459	0.0	
031000514	3	Floodplain Mapping Updates of Wichita Creek	Flower Mound	Watershed Planning	No	\$0	\$0	\$64,000	\$64,000		0.0	19	8 5.4		0 0.00	0	0.00	C	0.00	0.42	0.33	3.90	1.27	7.00740	No	7.00740	186	7.01094	2543	0.0	
031000420	3	Royal Oaks Curb Inlet Improvements	Flower Mound	Project Planni	ing No	\$0	\$0	\$250,000	\$250,000	0	0.0	0 82	3 6.70		0 0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	6.69706	No	6.69706	187	6.69706	2560	0.0	
031000419	3	Kange wood prive, kings koad & Lusk Lane Drainage Improvements	Harris Cauatu	Project Planni		\$0	\$0	\$250,000	\$250,000	2	1.4	0	9 25		0.00	0	0.00		0.00	0.04	0.03	1.27	0.65	6.48933	NO	6.48933	188	6.49036	25/5	0.0	
081000024	2	Assessment	Flower Mound	Watershed	No	50	\$0	\$1,280,000	\$1,200,000		1.4	10 1	1 2.3		0.00	0	0.00		0.00	0.62	0.47	6.60	1.59	5.97232	No	5.97232	109	5.97232	2590	0.0	
031000511	2	Branch Tributary 2		Planning		50	30	\$81,000	\$51,000		0.0		2.00		0.00	0	0.00		0.00	0.05	0.04	55.55	2.89	5./2484	NO	5./2484	190	5.72411	2005	0.0	
031000416	3	Stabilization	Flower Mound	Project Planni	ing No	ŞU	ŞU	\$250,000	\$250,000		0.0	8	4.6.		0.00	U	0.00		0.00	0.09	0.07	1.52	0.74	5.47795	NO	5.47795	191	5.47584	2625	0.0	
031000415	3	East Waketon Road Drainage Improvement	Flower Mound	Project Planni	ing No	\$0	\$0	\$250,000	\$250,000		0.0	10 8	5 4.64		0 0.00	0	0.00		0.00	0.00	0.00	0.00	0.00	4.64414	No	4.64414	192	4.64414	2664	0.0	
091000085	9	San Angelo Sunset Lake Flooding	San Angelo	Project Planni	ing No	\$0	\$0	\$300,000	\$300,000	,	2.5	.7	0 0.00		0 0.00	1	2.07	C	0.00	0.00	0.00	0.00	0.00	4.64091	No	4.64091	193	4.64091	2665	0.0	
061000317	6	Arcadian Gardens Subdivision Drainage Improvements	Harris County	Project Planni	ing No	\$0	ŞO	\$30,000	\$30,000		2	5	5 2.0		0.00	0	0.00		0.00	0.02	0.02	0.00	0.00	4.35587	No	4.35587	194	4.35587	2679	0.0	
031000512	3	Floodplain Mapping Updates of Whites Branch	Flower Mound	Watershed Planning	No	\$0	\$0	\$67,000	\$67,000	C	0.0	10	5 2.09		0 0.00	0	0.00	d	0.00	0.00	0.00	17.55	2.18	4.27456	No	4.27456	195	4.27456	2685	0.0	
121000155	12	Culebra Creek RSWF	Bexar County Public Works	Project Planni	ing No	ŞO	\$0	\$50,000	\$50,000	1	. 0.8	6	2 1.3:		0 0.00	0	0.00	9	9 1.46	0.50	0.39	0.20	0.12	4.13401	No	4.13401	196	4.13401	2694	0.0	
061000028	6	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage Improvements	Harris County	Project Planni	ing No	ŞO	\$0	\$130,000	\$130,000	3	1.7	7	4 1.89		0.00	0	0.00		0.00	0.06	0.05	0.00	0.00	3.71076	No	3.71076	197	3.71076	2709	0.0	
031000422	3	Sunset Trail Drop Inlet and Outfall Improvement	Flower Mound	Project Planni	ing No	\$0	\$0	\$250,000	\$250,000		0.0	10 2	5 3.54		0 0.00	0	0.00	C	0.00	0.00	0.00	0.00	0.00	3.53786	No	3.53786	198	3.53786	2720	0.0	
031000417	3	Jernigan Road Drop Inlet and Bar Ditch Improvements	Flower Mound	Project Planni	ing No	\$0	\$0	\$250,000	\$250,000	C	0.0	10 2	3 3.46		0 0.00	0	0.00	C	0.00	0.00	0.00	0.00	0.00	3.46252	No	3.46252	199	3.46252	2724	0.0	
031000510	3	Floodplain Mapping Updates of Whites Branch Tributary 2.1	Flower Mound	Watershed Planning	No	\$0	\$0	\$58,000	\$58,000		0.0	10	1 0.80		0 0.00	0	0.00		0.00	0.05	0.04	18.30	2.21	3.04615	No	3.04615	200	3.04542	2743	0.0	
121000166	12	FM 1346 Crossing Upgrade Study	Bexar County Public Works	Project Planni	ing No	ŞO	\$0	\$150,000	\$150,000	C	0.0		0.00		0.00	0	0.00	1	0.44	0.36	0.28	1.05	0.56	1.29120	No	1.29120	201	1.29073	2833	0.0	
131000172	13	Nueces Basin Flood Early Warning System	Nueces River Authority	Project Planni	ing No	\$0	\$0	\$275,000	\$275,000	0	0.0		0.00		0.00	0	0.00		0.44	0.00	0.00	0.30	0.18	0.62637	No	0.62637	202	0.66018	2874	0.0	
061000026	6	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	Harris County	Project Planni	ing No	\$0	\$0	\$750,000	\$750,000	C	0.0	10	0 0.00		0.00	0	0.00	C	0.00	0.01	0.01	0.00	0.00	0.00805	No	0.00805	203	0.00805	2964	0.0	

¹ Scoring of studies or projects using criteria, ArcSinh Normalization for select criteria, and methodology as identified in the 2024 State Flood Plan. ArcSinh is a mathematical function used to scale any real number, including both extremely large and very small values. ArcSinh uses a non-linear transformation to compress or expand datasets containing extreme values. This makes it particularly useful in project ranking as it ensures that larger, outlier projects do not distort the rank of other projects.

² Prioritization criteria in the SFY 2024-2025 Flood Infrastructure Fund Intended Use Plan states that an FME will receive an additional 10 points if the entity's study area has an average median household income (AMHI) that is <85% the statewide AMHI.

³ Basis for the current FIF cycle funding prioritization. Prioritization of FIF SFY 2024-2025 cycle studies or projects using methodology as identified in the 2024 State Flood Plan and the SFY 2024-2025 Flood Infrastructure Fund Intended Use Plan.

⁴ Score and ranking of studies or projects as identified in the 2024 State Flood Plan.

⁵ If data submitted during the regional flood planning process changed at the time of the abridged application submittal, the applicant is required to submit all pertinent data in an Excel spreadsheet template provide a description and justification for the change. Unless the TWDB was informed otherwise, data from the regional flood plan. This value does not include the points added for the applicants that received points for having and prioritizing FME submitted as recommended in the regional flood plan. This value does not include the points added for the applicants that received points for having an AMHI that is <85% the statewide AMHI.

TEXAS WATER DEVELOPMENT BOARD

8

Abridged Application No.	FMX ID	Applicant Name	Project Name	AMHI of the project area Compared to State-Wide AMHI	Disaster Declaration? ¹	Total Eligible Grant % Without FMA 19-22	FMA 2019-2022 Recipient?	Total Eligible Grant % With FMA 19-22 Recipient Data ²	Final SVI (Tiebreaker)	FIF Score	FIF Rank
16361	131000174	Nueces River Authority	Diversion from the Nueces River to Choke Canyon Reservoir	≤ 75%	N/A	90	No	90	0.6387	81.92298	1
16366	131000179	Nueces River Authority	Nueces Basin Scaling Up NBS Study	>75% and ≤125%	N/A	75	No	75	0.5900	71.92299	2
16363	131000177	Nueces River Authority	Nueces Basin Floodplain Map Updates	>75% and ≤125%	N/A	75	No	75	0.7090	71.92298	3
16364	121000176	Nueces River Authority	Nueces Basin Fight Fidzald Damidentification and Risk Assessment	>75% and <125%	N/A	75	No	75	0.7090	71.92290	2
16159	151000175	Cameron County	Developing a Regional Master Drainage Plan for Cameron and Hidalgo County	< 75%	N/A	90	No	90	0.7050	71.32230	6
16186	141000015	El Paso	Arroyo Debris Prioritization	>75% and <125%	N/A	75	No	75	0.5705	67 76011	7
16280	061000175	Harris County Flood Control District	SAFER Study	>75% and ≤125%	N/A	75	No	75	0.5713	64.88228	8
16185	141000034	El Paso	FMP Development for El Paso Water SWMP	>75% and ≤125%	N/A	75	No	75	0.6769	63.52258	9
16333	061000022	League City	Dickinson Bayou Flood Mitigation Plan – Alternative 2	>125%	N/A	50	No	50	0.4499	57.91080	10
16121	131000125	Bee County	Bee County Drainage Master Plan	≤ 75%	N/A	90	No	90	0.8182	57.73029	11
16434	011000189	Wichita County	Wichita County Drainage Master Plan	>75% and ≤125%	N/A	75	No	75	0.4622	55.90089	12
16169	031000519	Dallas	Mill Creek Drainage Relief System – Upper - Middle Improvements	>125%	N/A	50	No	50	0.3825	54.61122	13
16368	041000046	Orange County Drainage District	Culvert and Railroad Trestle Study	>75% and ≤125%	N/A	75	No	75	0.4417	54.51346	14
16296	041000089	Hunt County	Hunt County Countywide Drainage Study - Phase 2	>75% and ≤125%	N/A	75	No	75	0.3843	53.37330	15
16407	111000061	Seguin	Seguin Regional Drainage Masterplan	>75% and ≤125%	N/A	75	No	75	0.1818	52.73568	16
16259	111000170	Guadalupe County	Guadalupe County Drainage Master Plan	>75% and ≤125%	N/A	/5	No	/5	0.3534	51.91944	1/
16167	141000035	Ellis Prairie S&W CD	File County Dam Inundation Study	>125%	N/A	50	No	75 50	0.6980	51.07603	10
16170	151000104	Del Rio	Addendum To The Master Watershed Study Flood Risk Mans	>75% and <125%	N/A	75	No	75	0.4450	50 73032	20
16284	111000118	Havs County	Community Flood Mitigation Planning Project	>75% and ≤125%	N/A	75	No	75	0.4476	50.54618	21
16348	041000028	Marshall	Marshall Drainage Master Plan	≤ 75%	N/A	90	No	90	0.6687	49,79540	23
16412	021000062	Sulphur River Basin Authority	North Sulphur River Channel Stability and Flooding Study	>75% and ≤125%	N/A	75	No	75	0.4526	49.68125	24
16394	111000172	San Marcos	City of San Marcos Atlas 14 H&H Model Updates	>75% and ≤125%	N/A	75	No	75	0.5474	49.37967	25
16395	111000174	San Marcos	City of San Marcos Gauges for Phase 2 of city-wide FEWS	>75% and ≤125%	N/A	75	No	75	0.5474	49.37967	25
16405	111000177	San Marcos	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	>75% and ≤125%	N/A	75	No	75	0.5474	49.37967	25
16115	101000158	Austin	Citywide Storm Drain Infrastructure Modeling	>75% and ≤125%	N/A	75	No	75	0.4484	48.37466	28
16286	111000180	Hays County	Hays County Drainage Master Plan	>75% and ≤125%	N/A	75	No	75	0.4476	47.92146	29
16144	111000003	Caldwell County	Caldwell County Bridge Improvement Plan	>75% and ≤125%	N/A	75	No	75	0.8340	47.75552	30
16428	111000127	Upper Guadalupe River Authority	Upper Guadalupe River Authority Evaluation of Water and Sediment Control	>75% and ≤125%	N/A	75	No	75	0.4348	46.99433	31
16320	111000122	Kerr County	Kerr County Center Point Storm Drainage Infrastructure	>75% and ≤125%	N/A	75	No	75	0.4843	46.99430	32
16321	111000123	Kerr County	Kerr County Dam Integrity Study	>75% and ≤125%	N/A	75	No	75	0.4843	46.99430	32
16122	131000126	Beeville	Beeville Drainage Master Plan	S /5%	N/A	90	NO	90	0.8182	46.83151	34
16322	151000179	Mayorick County	Neil Coulity Dialitage Master Flat	< 75% driu \$123%	N/A N/A	75	No	75	0.4643	40.76397	26
16345	071000118	Lubbock	John Montford Dam Evaluation	>75% and <125%	N/A	75	No	75	0.3723	46 25851	37
16346	071000178	Lubbock	Lubbock County Floodplain Open Space Program	>75% and ≤125%	N/A	75	No	75	0.4424	46.25851	37
16316	031000516	Kaufman County	Kaufman County Countywide Drainage Study - Phase 2	>75% and ≤125%	N/A	75	No	75	0.5180	45.93901	39
16388	091000105	San Angelo	Tom Green County DMP	>75% and ≤125%	N/A	75	No	75	0.5090	45.70026	40
16371	031000046	Parker County	Parker County Dam Inundation Study	>125%	N/A	50	No	50	0.3093	45.16214	41
16413	031000456	Tarrant Regional Water District	Preliminary Engineering Study for Mary's Creek Mitigation for Fort Worth Floodway	>125%	N/A	50	No	50	0.3618	44.92896	42
16314	121000184	Karnes County	Karnes County FEWS Planning	>75% and ≤125%	N/A	75	No	75	0.7115	44.16299	43
16403	111000054	San Marcos	City of San Marcos Regional Detention Study	>75% and ≤125%	N/A	75	No	75	0.5262	43.93663	44
16404	111000142	San Marcos	City of San Marcos South LBJ Drive at Willow Springs Creek Project Planning	>75% and ≤125%	N/A	75	No	75	0.5262	43.93663	44
16383	1310000/0	Caldwell County	Caldwell County FEWS Planning	>75% and <125%	N/A	90	No	90	0.8213	43.52450	46
16332	031000135	Lancaster	Ten Mile Creek Channel Expansion Study	>75% and ≤125%	N/A	75	No	75	0.5340	42,91063	48
16436	031000093	Wise County	Wise County DMP	>125%	N/A	50	No	50	0.3645	42,24938	49
16378	031000273	Plano	City of Plano DMP	>125%	N/A	50	No	50	0.2359	40.61781	50
16326	131000189	Kingsville	City of Kingsville 2018 Drainage Master Plan– Location 5	≤ 75%	N/A	90	No	90	0.8933	40.16775	51
16237	031000515	Flower Mound	Hydrologic Updates of Town Wide Fully Developed Hydrology	>125%	N/A	50	No	50	0.0751	40.12674	52
16243	031000421	Flower Mound	Stream Bank Stabilization – Various Locations Town Wide	>125%	N/A	50	No	50	0.0751	40.12674	52
16134	021000066	Bonham	Pig Branch Watershed Culvert Study Update	≤ 75%	N/A	90	No	90	0.1897	40.06078	54
16184	101000098	El Campo	Blue Creek Regional Detention Modeling	≤ 75%	N/A	90	No	90	0.7929	39.95145	55
16252	031000197	Grand Prairie	3rd St at Cottonwood Creek and Cottonwood Creek from SW 3rd to FM 1382	>75% and ≤125%	N/A	75	No	75	0.7200	39.56487	56
16390	121000134	San Antonio River Authority	Evaluation and Prioritization of new Gauge Locations	>/5% and ≤125%	N/A	75	NO	75	0.3417	38.98973	57
16391	121000137	San Antonio River Authority	Niver Authority WWTP	>10% and \$125%	IN/A	75	No	/5	0.5090	38.989/3	5/
16/21	061000310	Waller County	Waller County Flood Manning Undates	>75% and <125%	N/A	50	No	50	0.0751	38 30006	60
16310	111000173	Kendall County	Kendall County Drainage Master Plan	>125%	N/A	75	No	50	0.0917	38 32320	61
16269	061000329	Harris County	1100-WP06 for Vince Bayou Watershed Planning Project	>75% and ≤125%	N/A	75	No	75	0.8451	37.99920	62
16270	061000331	Harris County	I100-WP07 for Vince Bayou Watershed Planning Project	>75% and ≤125%	N/A	75	No	75	0.8451	37.99920	62
16271	061000330	Harris County	I100-WP10 for Vince Bayou Watershed Planning Project	>75% and ≤125%	N/A	75	No	75	0.8451	37.99920	62
16272	061000332	Harris County	I100-WP11 for Vince Bayou Watershed Planning Project	>75% and ≤125%	N/A	75	No	75	0.8451	37.99920	62
16329	131000112	Kingsville	Paulson Falls Subdivision – Location 17	≤ 75%	N/A	90	No	90	0.8933	37.18371	66
16410	061000283	South Houston	City of South Houston Master Drainage Plan	≤ 75%	N/A	90	No	90	0.7984	36.79785	67

Abridged Application No.	FMX ID	Applicant Name	Project Name	AMHI of the project area Compared to State-Wide AMHI	Disaster Declaration? ¹	Total Eligible Grant % Without FMA 19-22	FMA 2019-2022 Recipient?	Total Eligible Grant % With FMA 19-22 Recipient Data ²	Final SVI (Tiebreaker)	FIF Score	FIF Rank
16381	151000102	Rio Grande City	Rio Grande City MDP	≤ 75%	N/A	90	No	90	0.9153	36.40026	68
16435	111000080	Wimberley	City of Wimberley Drainage Master Plan	>125%	N/A	50	No	50	0.1986	36.08752	69
16370	021000045	Paris Rever County Public Works	Update to City of Paris Comprehensive Stormwater Plan Study	≤ 75%	N/A	90	No	90	0.5257	36.01563	70
16130	121000153	Bexar County Public Works	Master Drainage Plan for Bexar County	>75% and \$125%	N/A N/A	75	No	75	0.5567	25.07666	71
16131	101000134	West Brazoria County Drainage District 11	West Brazoria County Drainage District 11 Master Drainage Plan	>75% and <125%	N/A	75	No	75	0.5567	35,97666	71
16260	031000064	Haltom City	Haltom City EME	>75% and ≤125%	N/A	75	No	75	0.5594	35.82842	74
16406	111000169	San Marcos	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project	>75% and ≤125%	N/A	75	No	75	0.6651	35.23562	75
16202	031000484	Flower Mound	Floodplain Mapping Updates of Graham Branch	>125%	N/A	50	No	50	0.0751	34.61655	76
16141	081000678	Bryan	Region 8 - Lower Brazos	≤ 75%	N/A	90	No	90	0.6082	34.46299	77
16250	111000019	Gonzales	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	>75% and ≤125%	N/A	75	No	75	0.7766	34.42231	78
16251	111000018	Gonzales	City of Gonzales Tinsley Creek Improvement Project Planning	>75% and ≤125%	N/A	75	No	75	0.7766	34.42231	78
16274	061000528	Harris County	Little Cypress Creek Local Drainage Study	>125%	N/A	50	No	50	0.2751	34.23985	80
16206	031000485	Flower Mound	Floodplain Mapping Updates of McKamy Creek	>125%	N/A	50	No	50	0.0751	34.16526	81
16207	031000487	Flower Mound	Floodplain Mapping Updates of Sharps Branch	>125%	N/A	50	No	50	0.0751	34.11558	82
16430	081001286	Waco Caldwall County	Taylor/Elm Storm Infrastructure & Outfall	≤ 50%	N0	90	NO	90	0.7580	33.94259	83
16164	111000003	Cibolo	City of Cibolo Flood Hazard Mitigation Preparedness Project for Hazard Mitigation	>125%	N/A	50	No	50	0.3008	33 67381	85
16221	031000501	Elower Mound	Floodplain Mapping Updates of Timber Creek Tributary 16	>125%	N/A	50	No	50	0.0751	32.82482	86
16267	061000464	Harris County	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood	>75% and ≤125%	N/A	75	No	75	0.6426	32.60147	87
16143	031000293	Burleson	Quil Miller Creek Watershed Study	>125%	N/A	50	No	50	0.2466	32.51656	88
16123	061000488	Bellaire	Chimney Rock Area Drainage Improvements	>125%	N/A	50	No	50	0.4817	32.38129	89
16125	061000485	Bellaire	Newcastle/ Kilmarnock Area Drainage Improvements	>125%	N/A	50	No	50	0.0924	32.38129	89
16133	111000001	Blanco County	Blanco County Low Water Crossing Improvement Study	>75% and ≤125%	N/A	75	No	75	0.0632	32.33867	91
16334	121000018	Leon Valley	Hueber Creek Drainage Improvements Project	≤ 75%	N/A	90	No	90	0.6665	31.57064	92
16425	021000033	Texarkana	Wadley Hospital Flood Study	≤ 50%	No	90	No	90	0.4980	31.41718	93
16212	031000491	Flower Mound	Floodplain Mapping Updates of Stream WB-1	>125%	N/A	50	No	50	0.0751	30.26190	94
16163	031000122	Chambers County	Hackberry Gully and Cotton Bayou Shelving Study	>125%	N/A	50	No	50	0.2591	30.19625	95
16393	111000060	San Marcos	City of San Marcos – Extension of River Ridge Parkway west Project Planning	>75% and ≤125%	N/A	/5	NO	75	0.6765	30.17016	96
16398	111000058	San Marcos	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project	>75% and ≤125%	N/A	/5	NO	/5	0.6765	30.1/016	96
16335	061000496	Liberty County WCID 1	Preliminary Engineering Design of Detention Pond & Conveyance System for	>75% and <125%	N/A	75	No	75	0.5328	29.94975	90
16337	061000498	Liberty County WCID 1	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	>75% and ≤125%	N/A	75	No	75	0.5328	29.93541	100
16226	031000505	Flower Mound	Floodplain Mapping Updates of Unnamed 4	>125%	N/A	50	No	50	0.0751	29.68422	101
16256	031000224	Grand Prairie	Shady Grove Rd, Gilbert Rd, Wright Blvd	>75% and ≤125%	N/A	75	No	75	0.6208	29.59553	102
16254	031000188	Grand Prairie	Carrier Parkway at Dalworth Creek	>75% and ≤125%	N/A	75	No	75	0.6646	29.37584	103
16222	031000502	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 17	>125%	N/A	50	No	50	0.0751	29.14159	104
16162	081001299	Cedar Park	Cedar Park Drainage Master Plan	>125%	N/A	50	No	50	0.2401	29.10166	105
16209	031000490	Flower Mound	Floodplain Mapping Updates of Stream SB-1	>125%	N/A	50	No	50	0.0751	29.01795	106
16255	031000251	Grand Prairie	Henry Branch Stream Stabilization	>75% and ≤125%	N/A	75	No	75	0.7519	29.01029	107
16227	031000507	Flower Mound	Floodplain Mapping Updates of Unnamed 5 Tributary 1	>125%	N/A	50	No	50	0.0751	28.88193	108
16217	031000496	Flower Mound	Floodplain Mapping Updates of TC-2 Inbutary 4	>125%	N/A	50	NO	50	0.0751	28.38008	109
16114	031000424	Flower Mound	Floodplain Mapping Undates of Tributany C to Timbor Crook	>105% and \$125%	N/A N/A	75	No	75	0.4662	20.14371	110
16342	0/1000004		High Street Undernass Flooding Mitigation	< 50%	No	90	No	90	0.0731	27.33020	112
16223	031000503	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 18	>125%	N/A	50	No	50	0.0751	27.39340	113
16208	031000486	Flower Mound	Floodplain Mapping Updates of Sharps Branch Tributary 3	>125%	N/A	50	No	50	0.0751	27.03018	114
16200	031000478	Flower Mound	Floodplain Mapping Updates of Bakers Branch Tributary 1	>125%	N/A	50	No	50	0.0751	26.62675	115
16411	081000979	Sugar Land	Integrated Stormwater Management Model (ISWMM) Phase 4	>125%	N/A	50	No	50	0.1502	26.59529	116
16354	151000200	Mission	MI13a1 & MI13a2 Spikes & Jupiter	≤ 75%	N/A	90	Yes	90	0.6960	26.57024	117
16297	061000248	Huntsville	City of Huntsville Master Drainage Plan	≤ 75%	N/A	90	No	90	0.4932	26.56825	118
16216	031000495	Flower Mound	Floodplain Mapping Updates of TC-2 Tributary 2	>125%	N/A	50	No	50	0.0751	26.09997	119
16347	111000037	Luling	City of Luling Stormwater Collection System Replacement	>75% and ≤125%	N/A	75	No	75	0.8340	26.01684	120
16135	001000556	Brookshire-Katy Drainage District	Brooksnire-katy Drainage District Watershed Study	2125%	IN/A	50	NU	50	0.4794	25.52174	121
16353	021000142	Printand County	I-20_Playa_10_Plit	>10% and ≤125%	IN/A	75	NO	/5	0.6443	25.50880	122
16210	031000488	Flower Mound	Floodplain Manning Undates of Timber Crock Tributary 1	>125%	N/A	50	No	50	0.0751	25.03302	123
16356	081001298	Nolanville	Nolanville Drainage Master Plan	>75% and ≤125%	N/A	75	No	75	0.4399	24.86451	125
16201	031000479	Flower Mound	Floodplain Mapping Updates of Bakers Branch Tributary 2	>125%	N/A	50	No	50	0.0751	24.63010	126
16215	031000494	Flower Mound	Floodplain Mapping Updates of Stream WC-4	>125%	N/A	50	No	50	0.0751	24.21311	127
16229	031000508	Flower Mound	Floodplain Mapping Updates of Unnamed Tributary to Bakers Branch	>125%	N/A	50	No	50	0.0751	23.92795	128
16211	031000489	Flower Mound	Floodplain Mapping Updates of Stream SB-1 Tributary 2	>125%	N/A	50	No	50	0.0751	23.71787	129
16203	031000483	Flower Mound	Floodplain Mapping Updates of Graham Branch Tributary 10	>125%	N/A	50	No	50	0.0751	23.67317	130
16213	031000492	Flower Mound	Floodplain Mapping Updates of Stream WC-1	>125%	N/A	50	No	50	0.0751	23.57527	131
16224	031000497	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 9	>125%	N/A	50	No	50	0.0751	23.44862	132
16384	081000945	Round Rock	Chandler Branch Trib. 3	>75% and ≤125%	N/A	75	No	75	0.1075	23.40766	133

Abridged Application No.	FMX ID	Applicant Name	Project Name	AMHI of the project area Compared to State-Wide AMHI	Disaster Declaration? ¹	Total Eligible Grant % Without FMA 19-22	FMA 2019-2022 Recipient?	Total Eligible Grant % With FMA 19-22 Recipient Data ²	Final SVI (Tiebreaker)	FIF Score	FIF Rank
16132	121000157	Bexar County Public Works	Rockwood Creek (SA-39)	≤ 75%	N/A	90	No	90	0.8697	23.17703	134
16401	111000055	San Marcos	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek	≤ 75%	N/A	90	No	90	0.6030	22.98767	135
16339	061000497	Liberty County WCID 1	Preliminary Engineering Design of Detention Pond at intersection of HWY90 &	>75% and ≤125%	N/A	75	No	75	0.5801	22.29724	136
16396	111000056	San Marcos	City of San Marcos Low Water Crossing at Jackman Project Planning	>75% and ≤125%	N/A	75	No	75	0.4186	22.13282	137
16397	111000057	San Marcos	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project	>75% and ≤125%	N/A	75	No	75	0.4186	22.13282	137
16399	111000059	San Marcos	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	>75% and ≤125%	N/A	75	No	75	0.4186	22.13282	137
16331	101000082	Lago Vista Biyor Ooko	Lago Vista Drainage Master Plan	>125%	N/A	50	NO	50	0.3949	21.94/98	140
16257	031000049	Grand Prairie	Shady Grove Road	>75% and <125%	N/A	75	No	75	0.5217	21.74600	141
16220	031000500	Flower Mound	Eloodplain Manning Undates of Timber Creek Tributary 13	>125%	N/A	50	No	50	0.0200	21.00000	143
16124	061000013	Bellaire	City of Bellaire Local Drainage System Asset Management	>75% and ≤125%	N/A	75	No	75	0.6922	21.15149	144
16228	031000506	Flower Mound	Floodplain Mapping Updates of Unnamed 5 Tributary 1.2	>125%	N/A	50	No	50	0.0751	20.95358	145
16258	031000205	Grand Prairie	Shady Grove Road – Jones Street Storm Drainage Improvements	>75% and ≤125%	N/A	75	No	75	0.6208	20.76228	146
16214	031000493	Flower Mound	Floodplain Mapping Updates of Stream WC-3	>125%	N/A	50	No	50	0.0751	20.63409	147
16167	031000076	Corinth	City of Corinth FME	>125%	N/A	50	No	50	0.1073	20.44538	148
16218	031000498	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 10	>125%	N/A	50	No	50	0.0751	20.24208	149
16181	151000093	Eagle Pass	Risk Area 5 Debona Drive	≤ 75%	N/A	90	No	90	0.9723	19.56810	150
16180	151000092	Liborty County WCID 1	RISK Area 4 BIDD & MISty Willow Storm Drain	5 /5%	N/A	90	NO	90	0.9723	19.44841	151
16338	151000499	Eidenig County WCID 1	Preuminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou	>75% and \$125%	N/A	/5	NO	75	0.5265	19.08/15	152
16177	131000088	Edgle Fass	City of Kindsville 2018 Drainade Master Plan- Location 9	< 75%	N/A	90	No	90	0.9723	18 50645	153
16175	151000086	Fagle Pass	Bisk Area 11 Bancho Escondido	≤ 75%	N/A	90	No	90	0.9723	18.50524	155
16300	031000361	Irving	North Delaware Creek Phases 2 & 3	>75% and ≤125%	N/A	75	No	75	0.5708	18.48362	156
16265	061000323	Harris County	B106-WP01 & WP02 for Armand Bayou Watershed	>125%	N/A	50	No	50	0.3039	18.31456	157
16324	131000191	Kingsville	Carriage Park 2 Subdivision – Location 15	≤ 75%	N/A	90	No	90	0.8933	18.08900	158
16325	131000188	Kingsville	City of Kingsville 2018 Drainage Master Plan– Location 2	≤ 75%	N/A	90	No	90	0.8933	17.96369	159
16419	061000290	Taylor Lake Village	Taylor Lake Village Flood Mitigation Assistance 2022 Capability and Capacity	>125%	N/A	50	Yes	70	0.1554	17.35779	160
16373	061000065	Pearland	Hickory Slough Lower Segment	>75% and ≤125%	N/A	75	No	75	0.3197	16.94284	161
16429	081000890	Waco	Loop 340 Berm & Frontage Road Improvements	>75% and ≤125%	N/A	75	No	75	0.5407	16.69673	162
16204	031000481	Flower Mound	Floodplain Mapping Updates of Graham Branch Tributary 3	>125%	N/A	50	No	50	0.0751	16.36858	163
16421	121000035	la Costo	Cownorn West Creek	>75% and ≤125%	N/A N/A	/5	NO	75	0.4980	15.60242	164
16166	081001066	College Station	Hone's Creek Flood Insurance Study	>75% and <125%	N/A	75	No	75	0.4229	15.09243	165
16298	061000489	Huntsville	Elkins Lake Watershed Drainage Plan	>75% and ≤125%	N/A	75	No	75	0.3682	14.68580	167
16119	121000130	Bandera	Wastewater Treatment Plant Relocation Project	≤ 50%	No	90	No	90	0.5844	14.26313	168
16245	031000423	Flower Mound	Timber Creek Road Bridges Erosion Stabilization	>125%	N/A	50	No	50	0.0751	14.03396	169
16372	061000070	Pearland	Cowart Creek Segment 16	>125%	N/A	50	No	50	0.1815	13.72176	170
16172	151000120	Del Rio	Addendum To The Master Watershed Study RSWF B	>75% and ≤125%	N/A	75	No	75	0.9644	13.36775	171
16205	031000482	Flower Mound	Floodplain Mapping Updates of Graham Branch Tributary 9	>125%	N/A	50	No	50	0.0751	13.24627	172
16239	031000418	Flower Mound	Pecan Acres Drainage Improvements	>125%	N/A	50	No	50	0.0751	13.06140	173
16392	101000086	San Leanna	Citywide Drainage Study	>125%	N/A	50	No	50	0.5946	12.91967	174
16230	031000509	Flower Mound	Floodplain Mapping Updates of WB-1 Tributary 1	>125%	N/A	50	No	50	0.0751	12.89580	175
16129	121000158	Kingsville	Live Oak at Salitrillo Creek (CB-9)	>75% and \$125%	N/A N/A	/5	NO	/5	0.4610	12.14513	1/6
16320	021000414	Flower Mound	PM 1350 Chammer Improvements – Eucation 16	>125%	N/A	90	No	50	0.0933	11.09557	170
161240	121000164	Bexar County Public Works	Abbott Road and Gravtown Road at Martinez Creek Study	>75% and <125%	N/A	75	No	75	0.0751	11.03353	170
16171	151000119	Del Rio	Addendum To The Master Watershed Study RSWF A	>75% and ≤125%	N/A	75	No	75	0.9644	10.00000	180
16275	061000029	Harris County	Spanish Cove Subdivision Drainage Assessment	>75% and ≤125%	N/A	75	No	75	0.6233	10.00000	180
16273	061000027	Harris County	Lake Shadows Subdivision Drainage Improvements	>125%	N/A	50	No	50	0.1582	9.72134	182
16299	061000490	Huntsville	Spring Lake Watershed Plan	>75% and ≤125%	N/A	75	No	75	0.3682	9.06867	183
16234	031000513	Flower Mound	Floodplain Mapping Updates of Wichita Chase Tributary	>125%	N/A	50	No	50	0.0751	8.40577	184
16423	021000037	Texarkana	Stream WC-1	>75% and ≤125%	N/A	75	No	75	0.4980	8.16349	185
16235	031000514	Flower Mound	Floodplain Mapping Updates of Wichita Creek	>125%	N/A	50	No	50	0.0751	7.00740	186
16242	031000420	Flower Mound	Royal Oaks Curb Inlet Improvements	>125%	N/A	50	No	50	0.0751	6.69706	187
16241	031000419	Flower Mound	Range Wood Drive, Kings Road & Lusk Lane Drainage Improvements	>125%	N/A	50	No	50	0.0751	6.48933	188
16276	031000511	Flower Mound	Witten Sound Subdivision Dramage Assessment	>125%	N/A	50	No	50	0.4165	5 70 40 4	189
16232	031000416	Flower Mound	Garden Ridge Boulevard Bridge Frosion Stabilization	>125%	N/A	50	No	50	0.0751	5.47795	190
16198	031000415	Flower Mound	East Waketon Road Drainage Improvement	>125%	N/A	50	No	50	0.0751	4.64414	192
16387	091000085	San Angelo	San Angelo Sunset Lake Flooding Improvement	>75% and ≤125%	N/A	75	No	75	0.3233	4.64091	193
16264	061000317	Harris County	Arcadian Gardens Subdivision Drainage Improvements	>75% and ≤125%	N/A	75	No	75	0.5612	4.35587	194
16231	031000512	Flower Mound	Floodplain Mapping Updates of Whites Branch	>125%	N/A	50	No	50	0.0751	4.27456	195
16127	121000155	Bexar County Public Works	Culebra Creek RSWF	>75% and ≤125%	N/A	75	No	75	0.3424	4.13401	196
16268	061000028	Harris County	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and Related Infrastructure Drainage	>75% and ≤125%	N/A	75	No	75	0.2499	3.71076	197
16244	031000422	Flower Mound	Sunset Trail Drop Inlet and Outfall Improvement	>125%	N/A	50	No	50	0.0751	3.53786	198
16238	031000417	Flower Mound	Jernigan Road Drop Inlet and Bar Ditch Improvements	>125%	N/A	50	NO	50	0.0751	3.46252	199

Abridged Application No.	FMX ID	Applicant Name	AMHi of the project Disaster Project Name area Compared to State-Wide AMHI Declaration? ¹ Total Eligible Grant % Without Recipient? FMA 19-22		Total Eligible Grant % With FMA 19-22 Recipient Data ²	Final SVI (Tiebreaker)	FIF Score	FIF Rank			
16233	031000510	Flower Mound	Floodplain Mapping Updates of Whites Branch Tributary 2.1	>125%	N/A	50	No	50	0.0751	3.04615	5 200
16128	121000166	Bexar County Public Works	FM 1346 Crossing Upgrade Study	>125%	N/A	50	No	50	0.1260	1.29120	201
16362	131000172	Nueces River Authority	Nueces Basin Flood Early Warning System	>75% and ≤125%	N/A	75	No	75	0.7090	0.62637	7 202
16266	061000026	Harris County	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	>125%	N/A	50	No	50	0.3702	0.00805	5 203

 1 This criterita only applies to AMHI \leq 50%; however, no abridged application qualified for it.

² FIF eligible projects that received a FEMA Flood Mitigation Assistance (FMA) grant for FMA FY 2019-2022 may receive a grant for 70% of the required local match that has been provided regardless of the qualifiers listed below.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16114	031000424	Arlington	Rush Creek RC1 and RC1A Improvements	This feasibility study for the RC1 culverts and RC1A watershed will identify flooding risk and flood mitigation strategies to reduce roadway and structural flooding in the Study area.
16115	101000158	Austin	Citywide Storm Drain Infrastructure Modeling	The City of Austin's primary tools to indicate flood risk in our community have traditionally been the FEMA Flood Insurance Rate Maps and associated fully developed condition mapping, which
				indicate flood risk along our creeks. As has been seen throughout the country through recent major storm events, there often is considerable flood risk to communities that is not portrayed on
				these maps. For example, more than 60% of the buildings in the City of Houston that were impacted by flooding from Hurricane Harvey were in areas outside of the mapped floodplains. Some of
				this previously unidentified flooding is from unmapped streams, however, much of it is the result of localized flooding due to inadequate or overwhelmed storm drain systems. It is our desire to
				comprehensively understand and communicate this type of flood risk to our residents. To do this, we need to perform engineering studies to identify where this flood risk occurs and develop risk
				mapping data that can be shared with the community. The Citywide Storm Drain Infrastructure Modeling project will support this goal by identifying and mapping localized flood risks throughout
				the city, developing models for use in the evaluation and design of storm drainage systems, developing data to equitably prioritize localized flood problem areas and projects, and to better inform
				the public about flood risk. An important component of this effort will be the development of new 1D and 2D models for previously unstudied storm drain systems and the update and
				incorporation of 1D and 2D models in our existing model inventory. We anticipate that storm drain-related Capital Improvement Projects (CIP) and in-house/small projects will directly benefit
				from the proposed modeling and mapping project. The modeling also will provide better information for risk-based prioritization of localized flood risk reduction projects than our previous
				reliance on a drainage complaint-based approach. The specific objectives of the localized flooding modeling and mapping effort include: • Perform high-level analysis to provide a preliminary
				understanding of localized flood risk and prioritize more detailed analysis. :o Perform 2D rain-on-mesh analysis to produce a preliminary evaluation of localized flood risk on a watershed scale.
				The analysis may be performed with ICM and/or HEC-RAS and will include generalized assumptions to account for the influence of the closed-system storm drains. o Employ machine learning
				and other statistical or artificial intelligence tools to aid in the identification and prioritization of localized flood risk. o Develop prioritization of project areas using data from high-level model
				analysis and incorporate multiple other variables that play a role in determining flood risk and social vulnerability to flood-related disasters. • Complete the city's 1D storm drain model inventory
				for the study area. These models are used by both the city and developers to design updates and additions to the city's storm drain system. o Update the City's existing StormCAD model
				linventory based on updated drainage criteria and data. o Develop new 1D StormCAD and/or CivilStorm models for previously unstudied systems. o Convert steady-state StormCAD models to
				unsteady-state CivilStorm models where dynamic modeling is needed. o Perform QA/QC review for both on previously completed and new StormCAD and CivilStorm models. o Develop
				automation tools to facilitate updates to existing 1D models or help in the creation of new 1D models. o Develop updated and refined guidance for the City of Austin's 1D modeling process.
				Perform more detailed localized flood risk analysis for prioritized areas. This modeling will include direct evaluation of existing storm drain infrastructure.: o Develop focused, localized flood
				modeling for identified areas. This modeling will be performed with infrastructure-informed 2D ICM modeling or 2D HEC-RAS modeling with incorporation of storm drain infrastructure (depending
				on availability of the new version of HEC-RAS that will incorporate modeling of storm drain elements). o Evaluate results of mid-level analyses to prioritize areas for detailed localized flood
				modeling (2D ICM with full infrastructure). o Develop detailed 2D ICM models for areas identified for detailed analysis. o Update, refine and incorporate storm drain modeling, survey data, and
				risk mapping information from 2D ICM modeling efforts for previously completed 2D model studies. o Develop updated and refined guidance for City of Austin 2D storm drain modeling
				guidelines. • Perform data collection and incorporate various data sources for localized flood modeling.: o Perform field reconnaissance and collect survey data as needed for 1D and 2D focused
				and detailed storm drain modeling. o Develop finished floor elevation information for use in problem area prioritization based on modeling results. o Incorporate new LiDAR topography, survey
				data, storm drain infrastructure plans, and related information. • Produce localized flood risk data, perform public outreach regarding localized flood risk, and refine the process used for problem
				area identification and project prioritization.: o Produce mapping and associated depth and water surface grids for localized flooding. This mapping will include depth of flooding, water surface
16119	121000130	Bandera	Wastewater Treatment Plant Relocation Project	The proposed project involves a feasibility study for relocation of the City of Bandera's wastewater treatment plant (WWTP) to a new site outside of the FEMA regulatory floodway. This includes
				planning phase activities related to the eventual proposed construction of a new wastewater treatment facility and associated conveyance from the existing site to the proposed location of the
				new facility. Given the location of the existing plant and the depth of the water surface elevation of a 1% annual chance flood event at the site, floodproofing the existing WWTP would cause
				negative effects to adjacent properties by increasing their flood risk. The existing WWTP treats municipal wastewater in a conventional activated sludge process. The plant consists of a manual
				bar screen, a concrete oxidation ditch with wall-mounted aerators, two final clarifiers, and chlorine disinfection basin. Solids handling consist of sludge drying beds and vacuum dewatering
				boxes. The proposed project also includes conduction of a condition assessment of existing wastewater infrastructure and an asset management plan for all existing and proposed wastewater
				infrastructure that is or will be located in and near the floodway.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16121	131000125	Bee County	Bee County Drainage Master Plan	Through this grant application, Bee County desires to complete a detailed County Wide Drainage Master Plan to identify existing and future flood prohem areas and develop a flood protection plan to mitigate flood problems. The objective of the proposed planning effort is to provide the County with an accurate assessment of the hydrologic and hydraulic conditions of the subject watersheds and streams, and a practical storm water management plan to address the critical flooding problems, as well as provide the County with an important tool tool manage growth and development. A detailed description of the proposed planning study scope of work is presented as follows: 1. Project Management - The County's consultant will conduct a kick-off meeting with County representatives and the TWDB project manager. The kick-off meeting will cover the following topics: Project communication & reporting responsibilities – establish the frequency and method of interface with TWDB project manager. County project manager and any other parties; Project milestone ad schedule; and + Project deliverables at each milestone. During the course of the study, project progress neetings will also be conducted on as -needed basis. Meeting agendas will include the following: +Tasks accomplished since last meeting • Discussion of sisues discovered, if any + Tasks to be performed + Project schedule status • Budget status A minimum of two (2) public meetings will also be conducted: one to solici input on initial flood problem area identification and one to present findings upon development of flood mitigation alternatives and a draft report. 2. Collection and Review of Baseline Information - The County's consultant will collect and review previous drainage studies, FEMA Flood Insurance Based (FIRM) + Digital GIS data of parcels, zoning maps, current and future land use maps and solis maps; + As-builts drawings for channel and bridge/culvert improvements; + Most current LIDAR topography; and + Approved LOMRs since the latest FIRM update. 3. Initial
16122	131000126	Beeville	Beeville Drainage Master Plan	Proor graph related the shyder think relation with the used to be develop them in yourgap in the C-thes. The shyder think registrage and the the physical states and develop a flood protection plan to mitigate flood problems. The objective of the proposed planning effort is to provide the City with an accurate assessment of the hydrologic and hydraulic conditions of the subject watersheds and streams, and a practical storm water management plan to address the critical flooding problems, as well as provide the City with an important tool to manage growth and development. A detailed description of the proposed planning study scope of work is presented as follows: 1. Project Management: The City's consultant will conduct a kick-dh meeting will cover the following topics: • Project communication & reporting responsibilities – establish the frequency and method of interface with TWDB project manager. The kick-off meeting will cover the following topics: • Project communication & reporting responsibilities – establish the frequency and method of interface with TWDB project manager. The kick-off meeting will cover the following topics: • Project communication & reporting responsibilities – establish the frequency and method of a dark and a dark report. 2. Collection and Networ D Baseline Information. The City's consultant will collect and netwice y Baseline Information. The City's consultant will collect and review previous drainage studies, FRMA Flood Insurance Study (FIS) and maps, FEMA LOMRs, TWDB Base Level Engineering (BLE) studies, master plans, drainage studies and reports, citized nainage complaint reports, storm damage reports, field survey data, as-built drawings for channel and bridge/culuer timprovements; • Most current LIDAR topic parses and esting will be developed using the following information: - Current FEMA FIS and Flood Insurance Study (FIS) and maps, FEMA LOMRs, TWDB Base Level Engineering (BLE) studies, master plans, drainage studies and reports, citized rainage studies, reports, and other baselin

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16123	061000488	Bellaire	Chimney Rock Area Drainage Improvements	The proposed project will perform engineering services to analyze existing flood risk in the Chimney Rock area, servicing the western portion of the City of Bellaire, and develop strategies to reduce flood risk for residents in the area. The Chimney Rock Area Drainage Improvements Study will identify improvements to the storm drainage infrastructure to improve conveyance and discharge capabilities of the overall drainage system during severe storm events. The study area comprises the western portion of the City of Bellaire, focusing on the area west of IH-610 West Loop and including analyses of the drainage systems between Renwick Dr. on the west, Brays Bayou on the south, Evergreen Drive on the north, and S. Rice Ave. on the east. The study area will also include the Gulfton community in the City of Houston, immediately west and northwest of Bellaire, as overland drainage from that community enters Bellaire and the storm severs in that community relies on an existing storm sever trunkline beneath Chimney Rock Road, and any improvements to the Chimney Rock trunkline or Bellaire's storm severs will have a positive impact on drainage in Gulfton. The Chimney Rock Area Drainage Improvements Study is a recommended Flood Management Evaluation (FME) in the San Jacinto Flood Planning Group Region 6 flood plan. This FME study will result in recommendations for improvement to the City's storm drainage system that will reduce and mitigate the risk of structural flooding across the project study area. The identified improvements and recommendations will be coordinated with previously identified improvements to create a regional solution for flood mitigation and resilience across the region.
16124	061000013	Bellaire	City of Bellaire Local Drainage System Asset Management	The proposed study aims to develop a comprehensive drainage asset management plan and capital improvement strategy to maintain and enhance the local drainage infrastructure within the City of Bellaire. Hydrologic modeling and repetitive pluvial flooding events indicate that there are areas in Bellaire where the storm sewers are undersized. Additionally, Bellaire lacks a comprehensive life cycle management plan and there are portions of the storm sewer system that are beyond their useful life. The first part of the scope of the proposed study includes televising the storm sewers in Bellaire to assess conditions and update the City's asset management system. This information builds off an ongoing effort to evaluate and prioritize street and drainage reconstruction needs. From this effort, the study would then develop a capital program to upsize storms ewers. The project scope would include preliminary engineering to determine the size of storm sewer needed and cost estimates per linear foot. This study will be designed to ensure the longevity, functionality, efficiency, and meeting the desired level of service while enhancing resolution of the local drainage systems.
16125	061000485	Bellaire	Newcastle/ Kilmarnock Area Drainage Improvements	The proposed project will perform engineering services to analyze existing flood risk in the Newcastle/ Kilmarnock area, servicing the eastern portion of the City of Bellaire, and develop strategies to reduce flood risk for residents in the area. The Newcastle/ Kilmarnock Drainage Improvements Study will identify improvements to the storm drainage infrastructure to improve conveyance and discharge capabilities of the overall drainage system during severe storm events. The study area comprises the eastern portion of the City of Bellaire, focusing on Newcastle/ Drive and Kilmarnock Ditch (HCFCD Unit No. D113-00-00) and including analyses of the drainage systems between IH-610 West Loop South on the west, Brays Bayou on the south, Westpark Drive on the north, and Kilmarnock Ditch on the east. The Newcastle/ Kilmarnock Drainage Improvements Study is a recommended Flood Management Evaluation (FME) in the San Jacinto Flood Planning Group Region 6 flood plan. This FME study will result in recommendations for improvement to the City's storm drainage system that will reduce and mitigate the risk of structural flooding across the project study area. The identified improvements and recommendations will be coordinated with previously identified improvements to create a regional solution for flood mitigation and resilience across the
16126	121000164	Bexar County Public Works	Abbott Road and Graytown Road at Martinez Creek Study	During the analysis of crossings Abbott Road and Graytown Road at Martinez Creek, it was determined that a 2D hydraulic study flood study would be needed to evaluate alternatives to remove these roads from overtopping. Priority should be placed on this study due to the recent flood-related death that occurred on Graytown Road in 2021. The project cost was developed using FME Planning Cost Estimates found in section 5.2.1.1 of the San Antonio Regional Flood Plan for Project Planning.
16127	121000155	Bexar County Public Works	Culebra Creek RSWF	The Culebra Creek Regional Storm Water Facility (RSWF) detention pond was designed for flows prior to the updated Atlas 14 flows and is located in the Leon Creek watershed in Bexar County, Texas. As a result of the updated Atlas 14 flow data, the Culebra Creek RSWF no longer engages for a 100-Yr event. Consequently, a study of the Culebra Creek RSWF is required to determine modifications to the structure which will allow it to engage properly during a 100-Yr storm event.
16128	121000166	Bexar County Public Works	FM 1346 Crossing Upgrade Study	During the analysis of crossings Felix Road at Dry Hollow Creek, it was determined that an additional hydraulic study is needed to evaluate alternatives to removing the FM1346 crossing from overtopping. Improvements to this road are important due to limited detour routes available. The project cost was developed using FME Planning Cost Estimates found in section 5.2.1.1 of the San Antonio Regional Flood Plan for Project Planning.
16129	121000158	Bexar County Public Works	Live Oak at Salitrillo Creek (CB-9)	Engineering study to assess removal of residential structures from the Salitrillo Creek 100-Yr flood plain upstream of Martinez Creek Dam No. 5. The project cost was developed using FME Planning Cost Estimates found in section 5.2.1.1 of the San Antonio Regional Flood Plan for Project Planning
16130	121000153	Bexar County Public Works	Master Drainage Plan for Bexar County	The master drainage plan for Bexar County is an engineering master plan that will assess flood damage centers for all of Bexar County unincorporated areas. The purpose of this plan is to identify flood damage areas that can be evaluated via engineering studies that propose 100-Yr flood plain reduction solutions for the damage area being evaluated. These studies are required in order to develop flood plain reduction construction projects for a specific damage area studied. Bexar County would ultimately like to develop a list of flood improvement projects in unincorporated areas that are developed from the engineering studies for each damage area identified. The goal of each construction project is to provide unflooded access to motorists on all roadways in unincorporated areas in Bexar County as well as to reduce flooding completely to residential structures that are currently inundated by a 100-Yr flooding event. Currently, many flood damage areas within unincorporated Bexar County need construction improvements to reduce flooding but local funding resources are not available to address those areas.
16131	121000154	Bexar County Public Works	Master Drainage Plan for Bexar County HALT (High Water Detection System) Low Water Crossings	The Bexar County HALT high water detection system is an on-going maintenance system for low water crossings within Bexar County where a flood control capital project has not been proposed but is currently monitored during rainfall events by the HALT system. The master plan will assess current low water crossings with a HALT system located within Bexar County for the possibility of structural drainage improvements that may make it possible to remove the low water crossing from the HALT system and the 100-Yr flood plain. This would allow for unflooded 100-Yr access at a given HALT location. The goal of each construction project at a current HALT location is to provide unflooded access to motorists on all roadways within Bexar County as well as to possibly reduce flooding completely to residential structures that are currently inundated by a 100-Yr flooding event near a current HALT location.
16132	121000157	Bexar County Public Works	Rockwood Creek (SA-39)	Rockwood Creek is located San Antonio, TX as shown at the attached map. This creek has been designated as a damage center due to 100-Yr flooding that is not contained with an existing concrete channel which extends from McKinley Avenue down to the Riverside Golf Course. Approximately 91 structures are currently inundated by the 100-Yr flood event. Funds are needed by Bexar County to assess improvements to the existing concrete channel and existing culvert and bridge crossings along Rockwood Creek which would allow for the 100-Yr flood event to be contained within the existing concrete channel.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16133	111000001	Blanco County	Blanco County Low Water Crossing Improvement Study	Through this grant application, Blanco County desires to complete a County-wide Low Water Crossing Improvements Study to inventory existing infrastructure, evaluate existing levels of service, prioritize crossing improvements based on flood risk and other factors, and develop solutions to upgrade and/or raise crossings to mitigate flood risk throughout the County's roadways. The objective of the proposed planning effort is to provide the County with an accurate inventory of existing low water crossing infrastructure, updated hydrologic and hydraulic assessments of existing and proposed conditions, conceptual design of flood mitigation alter.natives, benefit-cost analyses, evaluation of grant funding sources, and an implementation plan for low water crossing improvements. A summary of the proposed planning study tasks is presented as follows: Project Management; Data Collection; Field Investigations; Hydrologic Assessments; Hydraulic Assessments; Low Water Crossing Improvement Alternative Development; Low Water Crossing Improvement H&H Analysis; Low Water Crossing Improvement Benefit/Cost Analysis;
16134	021000066	Bonham	Pig Branch Watershed Culvert Study Update	The FME is an update/expansion of the original Pig Branch Culvert Analysis. It will include HEC-RAS modeling of Pig Branch and its tributaries as well as modeling of all roadway crossings within the Pig Branch watershed. This update will provide the City with an updated comprehensive plan along with design recommendations to aid in alleviating existing and potential flood damages throughout the Pig Branch watershed.
16135	061000556	Brookshire-Katy Drainage District	Brookshire-Katy Drainage District Watershed Study	The areas in and around the Brookshire-Katy Drainage District (District) have experienced unprecedented commercial and residential development growth in recent years. There is a need to develop proposed conditions H&H models for watersheds within the District to provide updated watershed models to developers and the District for future developments and district flood mitigation measures. This Flood Management Evaluation (FME) will provide engineering services to further expand the existing conditions analysis for the portion of the District not analyzed under a previously completed Phase 1 (existing conditions modeling). This includes the Bessie's Creek Watershed and determining approximate existing conditions Levels of Service for watersheds within the District. The FME deliverable will be 1D/2D hydraulic models (ROG) to be utilized for upper portions of the watershed north of the point where there are defined creeks or channels maintaining existing drainage area delineations for the 2-, 10-, and 100-year storms. All models will be analyzed with Atlas 14 rainfall to document water surface elevations and flooding extents. In addition, the existing condition models will be revised to include additional survey information from other resources provided to the District from other permit submittals and drainage impact analyses. The FME will also simulate existing as well as conditions for fully developed watersheds to include planning for future Right-of-Way needs. The HEC-RAS hydraulic models, were developed as 1D/2D coupled models utilizing rainfall runoff from HEC-HMS as point source input hydrographs or Rain on Grid (ROG) sheet flow modeling. For the 1D/2D hydraulic models, were critical drainage corridors defined by the District will be defined within the modeled 1D defined sections to contain the 100-year Atlas-14 storm event for Brookshire Creek, Willow Fork, Snake Creek, Bessie's Creek, and Cane Island Branch in areas within BKDD limits or within BKDD easements. In the same manner, roadside ditches along maj
16141	081000678	Bryan	Region 8 - Lower Brazos	Burton Creek runs through a densely populated portion of the City of Bryan, from its Downtown area southeast to the SH-6 highway. Development in this area was initiated in the early 19S0s, prior to the availability of flood risk mapping or regulatory drainage design guidelines. By the 1970s, the Burton Creek watershed was fully developed with a combination of commercial and high-density residential developments. The FEMA FIRM SFHA for this area, for the most part, is outdated and does not account for significant portions of the development or improvements made to the Burton Creek mainstem. Several of the tributaries are also either not mapped, or only mapped with Zone A. There is also reason to believe, based on historic rain events and the best available FEMA data, that this creek and its tributaries pose a flood risk to the populace within the watershed. The City would like to more fully understand the current flood risk and develop a plan for mitigating it. Conservative estimates of at-risk structures in the Burton creek watershed exceed 300, including 2 critical facilities, with an associated at-risk population exceeding 1,200. The City of Bryan understands the importance of accurate flood risk information, and the need to update this information to reflect changes in the watershed that may affect flood risk, for the protection of the health and safety of its citizens. This project has been a priority for the City to more accurately identify and communicate flood risk to the residents and businesses in this watershed and accurately develop mitigation options to meaningfully reduce this risk. The study area is 7.6 square miles with an estimated 18 steam miles. The scope of work includes the following key components: Data Collection: Compilation of the best available resources related to drainage modeling and stormwater management including GIS data, the latest land use information, latest Lidar, in-field survey, the latest Atlas 14 rainfall, and any information developed as part of the regional flood plan. T

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16143	031000293	Burleson	Quil Miller Creek Watershed Study	The watershed study will include detailed hydrologic and hydraulic (H&H) analysis of Upper Quil Miller Creek, Quil Miller Creek and their tributaries (Bypass Creek, Hurst Creek) within the City of Burleson city limits and extraterritorial jurisdiction. The total drainage area of these streams is approximately 24 square miles. The study area was selected due to expected imminent development or redevelopment and will include an alternative analysis to address identified flood prone areas. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. Task 1: Hydrology tasks include: Delineate watersheds and subwatersheds for the study area using the best available and most recent topographic information. Define model input parameters for the study areaCreate both existing and fully-developed land use hydrologic models in HEC-HMS for the study area based on the Soil Conservation Service (SCS) unit hydrograph methodDetermine the existing and fully-developed discharges for the study area for the 2-, 5-, 10-, 25-, 50-, 100-, and 500-year storm events. Calculate basin routing parameters using the Modified Puls (where hydraulic models are available) or Muskingum Cunge method. Task 2: Hydraulic models will be developed representing existing conditions geometry with existing and fully developed flows. Approximate level streams include overbank and channel geometry derived from LiDAR data without structure data. Detail level streams include channel surveys with structure data from field survey or as-built drawings and LiDAR derived overbank data. Inundation maps showing the 100-year floodplains will be createdDevelop new HEC-RAS Steady hydraulic models using the best available and most recent data Update channel and pond routings in hydrologic modeling Determine the existing and fully-developed conditions 100-year floodplains within the stream study limits Identi
16144	111000003	Caldwell County	Caldwell County Bridge Improvement Plan	Through this grant application, Caldwell County desires to complete a plan to replace inadequate and aging bridge and drainage infrastructure built before 1950 that cannot support the weight of emergency vehicles. Bridge replacements in conjunction with channel improvements would reduce flood risk along affected roadways through hydraulic capacity upgrades, while eliminating downstream impacts. The objective of the proposed planning effort is to provide the County with an accurate assessment of existing bridge infrastructure, updated hydrologic and hydraulic modeling of existing and proposed conditions, conceptual design of flood mitigation alternatives, benefit cost analyses, evaluation of grant funding sources, and an implementation plan for bridge replacement. A summary of the proposed planning study tasks is presented as follows: 1. Project Management 2. Data Collection 3. Field Survey & Assessments 4. Hydrologic Modeling 5. Hydraulic Modeling 6. Bridge Upgrade Alternative Development 7. Bridge Upgrade Alternative H&H Analysis 8. Bridge Upgrade Benefit/Cost Analysis 9. Implementation and Phasing Plan 10. Report
16145	111000005	Caldwell County	Caldwell County ESD #3 Drainage Improvement Plan	Through this grant application, Caldwell County desires to complete a plan to upgrade undersized drainage infrastructure at river/stream crossings throughout Emergency Services District (ESD) #3. Replacement and improvements to channels, bridges, and culverts channel improvements would reduce flood risk along affected roadways through hydraulic capacity upgrades, while eliminating downstream impacts. The objective of the proposed planning effort is to provide ESD #3 with an accurate assessment of existing drainage infrastructure, updated hydrologic and hydraulic modeling of existing and proposed conditions, design of high-priority flood mitigation alternatives, benefit-cost analyses, evaluation of grant funding sources, and an implementation plan for drainage infrastructure upgrades. A summary of the proposed planning study tasks is presented as follows: 1. Project Management 2. Data Collection 3. Field Survey & Assessments 4. Hydrologic Modeling 5. Hydraulic Modeling 6. Bridge Upgrade Alternative Development 7. Bridge Upgrade Alternative H&H Analysis 8. Bridge Upgrade Benefit/Cost Analysis 9. Implementation and Phasing Plan 10. Report
16146	111000164	Caldwell County	Caldwell County FEWS Planning	Through this grant application, Caldwell County desires to complete a plan to establish a County-wide Flood Early Warning System (FEWS). This project will continue coordination with Hays County, ATXFloods, and other agencies that began during the Caldwell County Flood Protection Plan to prepare a "Stage 1" FEWS implementation plan that meets the County's goals and budget for flood monitoring, forecasting, and warning systems. The County will establish clear goals and objectives for the system that will guide the selection of system complexity, equipment, and analysis or models in futures stages (i.e., financing, deployment, and management). Key considerations and tasks will include: 1. General Planning 2. Goals and Objectives 3. Communication, Coordination, and Collaboration 4. Gages, Sensors, and Other Equipment 5. Data, Analysis, and Models 6. Existing Resources 7. Vendors and Contractors 8. Other Planning Considerations

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16159	151000447	Cameron County	Developing a Regional Master Drainage Plan for Cameron and Hidalgo County	Current TWDB FIF-Category 1 project 40038 (Project 40038) aims at conducting regional flood planning for the flood prone Lower Rio Grande Valley (LRGV) through administrative coordination, computer modeling, and observations. Project 40038 is ongoing and has begun the process of creating computer models to update drainage criteria, with respect to Atlas-14 rainfall. (Isod risk mapping, and proposal of flood mitigation actions, such as capital improvement projects (CIPs), for sub-regional clusters of communities, or individual communities, such as the current TWDB FIF-Category 1 projects in Harlingen (Project 40041) and Brownsville/Port Isabel (Project 40025). Similarly, Master Drainage Plans have been developed or are in the process of being developed for several individual LRGV communities, such as the TWDB funded Master Drainage Plans ing developed for Los Fresnos. Contemporary Master Drainage Plans, similar to the upcoming work in Project 40038, typically provide a comprehensive evaluation of existing drainage conditions, an inventory and mapping of existing drainage infrastructure, a hydrology and hydraulic model, CIPs with budget estimates and potential funding mechanisms. The major components of the project are as foldows: 1. Characterize the drainages of each community through a comprehensive analysis of existing models, reports, record drawings, and GIS information. 2. Survey regions of each community three critical data gaps are found in Component 1.3. Develop an a sisting condition hydrologis can hydraulic (H&H) model that encompasses all component 3 sitt CIPs. This H&H model will be considered the developed conditions model. 7. Rerun each ARI scenario with the developed conditions model created in Component 6. Assess the cost-benefit to the CIP system using these results. 8. If not already present, install a Real-Time Hydrologis Classific (RTHS) in each community to provide a source of calibration and validation and validation to the CIP system using frous and are CIPs in the LRGV. To illus
16162	081001299	Cedar Park	Cedar Park Drainage Master Plan	The City of Cedar Park is a fast-growing community and major urban center in Williamson County, TX, with a small portion of the City also spanning into Travis County. The City has experienced flood losses during major storms including floods going back as far as 1984, all the way to the present. The City currently has 8 RL properties, 1 SRL properties, and has had 50 flood loss claims totaling over \$970,000. This project will focus on the development of an update to the City Stormwater Master Plan (completed back in 2019). This update will include revised open channel H&H modeling will include obtaining and reviewing the recently completed Williamson County Atlas 14 H&H models, previously funded under the Round 1 FIF grant cycle. These models were started in 2021 and due to the fast growth in this area, are not out of date and no longer capture the current land-use or topographic conditions throughout the City. The goal will be to primarily update these models with improved land use information and using the latest LiDAR data. In addition, this modeling effort will also include an InfoWorks ICM 2D or XPSWMM 2D street level rainon-grid analysis of the entire City limits. This combined effort will result in both riverine macro level and street/stormsewer micro level flood risk identification. Once flood risk areas are identified, flood reduction recommendations will be evaluated, which may include structural and non-structural recommendations. Due to the proximity of the City is stormsewer GIS database as the input for the model. Where the GIS stormsewer database lacks sufficient detail, then additional field survey will be colibrated to historic storm events and HEC-HMS subbasins will be set to a smaller size (typically 0.1 to 2.0 sq. miles) to help further refine the computity on grawtif will be calibrated to historic storm events and HEC-HMS subbasins will be set to a smaller size (typically 0.1 to 2.0 sq. miles) to help further refine the CMD of peak flood reduction alternative analysis, all identified struct
16163	031000122	Chambers County	Hackberry Gully and Cotton Bayou Shelving Study	Hackberry Gully and Cotton Bayou have a history of coming out of bank during heavy rain events and filling up the streets of neighborhoods nearby and causing structural damage. During Hurricane Harvey entire subdivisions were flooded partly due to insufficient conveyance capacity within these two streams. Chambers County has experienced over 12 disaster declarations related to flooding since 1979 with 8 of those coming since the year 2001. Typically, major flooding is associated with tropical systems or hurricanes resulting in heavy rainfall. However, even smaller more frequent events have the potential to cause flooding damage to the rapidly developing area of Chambers County and the City of Mont Belvieu that are drained by Hackberry Gully and Cotton Bayou. The proposed improvements constitute channel improvements to both Hackberry Gully and Cotton Bayou in Chambers County, Texas. The proposed improvements to Hackberry Gully comprise trapezoidal channel improvements with a 60 feet bottom width close to the existing depth in the channel with 4 to 1 side slopes. The proposed improvements to Cotton Bayou and continues along the channel to Interstate 10. The proposed improvements to Cotton Bayou and continues along the channel to Interstate 10. The proposed improvements to Cotton Bayou unclude trapezoidal channel improvements with a 40 feet bottom width a the existing channel depth with 4 to 1 side slopes. The proposed improvements to Cotton Bayou unclude trapezoidal channel improvements with a 40 feet bottom width at the existing channel depth with 4 to 1 side slopes. The proposed improvements to Cotton Bayou unclude trapezoidal channel improvements with a 40 feet bottom width at the existing channel depth with 4 to 1 side slopes. The proposed improvement on Cotton Bayou begins at the outlet of Cotton Bayou and continues along the channel to Interstate 10. The channel improvements provide significant benefits along Hackberry Gully and Cotton Bayou with reduction in the extent of the flood plain as well as reducti

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16164	111000010	Cibolo	City of Cibolo Flood Hazard Mitigation Preparedness Project for Hazard Mitigation and Improved Access	This application request is being made to secure funding for our flood mitigation preparedness project. The proposed plan includes a comprehensive study and preliminary engineering design to identify and address potential vulnerabilities. Through this study, we will assess access and road conditions for response vehicles, develop options to improve access and add redundant access routes in high-risk areas. By taking these proactive measures, we aim to minimize the impact of potential flood events and ensure the safety of our community. The project includes the following components: - Identifying areas of concern through town halls and public meetings Establishing a user-friendly website where residents can provide information regarding areas of concern and track project progress Conducting thorough hydrologic and hydraulic analyses to evaluate access and road conditions for emergency vehicles Developing multiple access routes in high-risk areas further to reduce the potential impacts of future flood events Implementing additional access routes in high-risk areas further to reduce the potential impacts of future flood events Creating detailed schematic designs for future projects that ensure all-weather access for emergency vehicles Determining an Opinion of Probable Construction Costs for future projects Prioritizing future projects based on the severity of flooding, the number of impacted properties, alternative access, and other factors identified through public involvement Preparing the comprehensive Cibolo Drainage Master Plan, which summarizes the methodologies and findings of the analysis, provides recommendations, and includes a prioritized list of future projects.
16166	081001066	College Station	Hope's Creek Flood Insurance Study	The City of College Station's population has grown by over 36% from 2010 to 2023. With the increase in population, development is expanding into areas previously undeveloped such as the Hope's Creek Watershed. The increases in development from 2010 to 2023 in Hope's Creek with much of the development to the north and east portions of the Hope's Creek Watershed. Due to the active development in the Hope's Creek area, the City of College Station has identified the need for a Flood Insurance Study (FIS) within Hope's Creek Hope's Creek watershed. Due to the active development in the Hope's Creek area, the City of College Station has identified the need for a Flood Insurance Study (FIS) within Hope's Creek Hope's Creek area, the City of College Station has identified the need for a Flood Insurance Study (FIS) within Hope's Creek Hope's Creek bue to that is experiencing rapid growth where development may be encroaching into unmapped floodplains. Floodplain maps do not adequately reflect inherent flood hazards in Hope's Creek, there is a persisting disconnect between the existing flood risk on a watershed scale and the smaller scale evaluations conducted for development in the area. The City of College Station's Flood Insurance Study for Hope's Creek would help get ahead of the future development in the area potentially encroaching into unmapped floodplains and serve as a basis for future floodplain impact analyses within the Hope's Creek Watershed.
16167	031000076	Corinth	City of Corinth FME	The City of Corinth (City) is split by 2 HUC12 watersheds: Pecan Creek-Little Elm Reservoir watershed to the northeast and Lower Hickory Creek watershed to the southwest. The City has experienced 6 historical flood events between 1996-2022 as documented in the Denton County Hazard Mitigation Action Plan which have incurred more than \$275,000 in property damage. Within the City limits, 110 structures lie within the FEMA delineated 100-year floodplain, and approximately 361 people are at 100-year flood risk. The City has 2 pump stations that are critical facilities within the 100-year floodplain as well as 1 at-risk low-water crossing. An estimated 3.7 miles of roads and 47.9 acres of agricultural land are at 100-year flood risk. In addition, Corinth has 2 single family residential structures classified as repetitive loss structures with 5 losses. Additional infrastructure, habitable structures, and population may be at risk from urban (non-riverine) flooding which has not been evaluated. A now outdated stormwater masterplan from 2004 conducted a floodplain analysis and local drainage system analysis that resulted in identification of locations for capital improvement projects to the City's stormwater management system. The prior analysis uses pre-Atlas 14 data and is no longer applicable to current conditions. Infrastructure projects and development in the City since 2004 have created a need to re-evaluate existing conditions and develop updated Hydrologic and Hydraulic (H&H) models to inform the City of flooding extents and existing losses (existing conditions modeling). Additional models may be developed, if necessary, to assess non-riverine flooding concerns. The most recent and available data will be used in all aspects of the FME. Rainfall data for the 1-, 25-, and 100-year Atlas 14 storms will be used in all models using Atlas-14 rainfall data. In addition, the revised existing conditions modelis will be modified to incorporate recent survey information from other resources provided by the lack of updated
16169	031000519	Datlas	Mill Creek Drainage Relief System – Upper - Middle Improvements	A serious flood hazard exists in the Mill Creek, Peaks Branch and East Peaks Branch watersheds. Historic storm events, most notably in May 1995, March 2006, and August 2022, have damaged residences, businesses, schools, historic buildings at Fair Park and transportation facilities in this large, urban (over 6,400 acre) watershed located in East Dallas and served by an aging, underground main trunk with many lateral storm sewers. In 2007, Dallas began the process of implementing 2006 Bond Program projects including flood risk reduction measures in Old East Dallas. This study is a part of that implementation process. In the study, flood hazards were identified and analyzed using a dynamic model with two-dimensional (2D) flow capabilities. This detailed analysis was necessary for accurate representation of the underground pipe and surface street flood flows which characterize the area during heavy rainfall events. The primary flood relief recommendation was to construct a single Drainage Relief Tunnel across East Dallas which reduces flood risk in large portions of the Mill Creek, Peaks Branch and East Peaks Branch watersheds. The Drainage Relief Tunnel was designed, bid, and a construction contract was awarded by the City of Dallas in February of 2018. Though not specifically agoal of the 2006 Bond Program, significant flood risk reduction is achieved in the project area due to the Drainage Relief Tunnel. The primary goal of the Mill Creek Drainage Relief System Flood Management Evaluation (FME) is to update previous analysis, develop a design study report, and perform 30% preliminary design. The original approximate fee submitted in the Texas Water Development Board (TWDB) Trinity River Region 3 Flood Plan did not reflect the full scope of the FME project. The total fee has been corrected as part of this abridged application. It is estimated that over \$10 million will be required to develop a study and preliminary 30% design for a project area that includes approximately 81 miles of inadequate storm drainage inf

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16170	151000104	Del Rio	Addendum To The Master Watershed Study Flood Risk Maps	The City of Del Rio is seeking reimbursement of funds through TWDB for the ongoing contract that aligns with this FME to update flood risk maps using the latest Atlas-14 precipitation data. The City of Del Rio utilized proper Federal and State procurement processes to acquire an Indefinite Delivery Indefinite Quantity (IDIQ) engineering contract, through which the contractor was awarded the task orders to begin the analysis. The contract is scheduled to be completed in the Fall of 2024 the scope aligns with this FME to develop the necessary analysis and mapping to produce the flood risk maps. The contractor scope is to update the 2012 City of Del Rio Masterplan Watershed Study through HEC-RAS hydraulic analysis. The 2012 study analyzed the various watersheds within Del Rio. That study identified Capital Improvement Project (CIPs) that were later approved and received FME ID numbers by the TWDB Regional Flood Planning Group (RFPG) for Region 15. However, due to the age of those projects, they require re-validation or updates to the existing CIP planning estimates. In addition, due to city growth, new school construction, and identified endangered species habitat, several of the past Capital Improvement Projects (CIPs) identified from the 2012 study are no longer feasible. Similar to the 2012 study, the contract encompasses the entire city and portions of Val Verde County. In addition, Del Rio, falls within the Devil's River Soil and Water Conservation District the City of Del Rio also has the San Felipe Irrigation District. Since inception of the contract, the contractor thas supported stakeholder engagement with Val Verde County will provide an updated addendum for the City of Del Rio drainage master plan, complete with an updated HECRAS model (non-proprietary) that will identify new CIPS and validate prior CIPS that are currently identified in the TWDB FME List for Region 15. The updated analysis will provide the latest Atlas-14 precipitation data and the latest freely available topographic data. It is noted t
16171	151000119	Del Rio	Addendum To The Master Watershed Study RSWF	The City of Det Rio is seeking planning funds to support an engineering study to validate our new proposed location for the FME ID 151000119 (San Felipe Regional Detention A). The study will conduct H&H models and incorporate the latest Atlas-14 precipitation data as well as the To identify ov proposed alternative locations, we hired a contractor to update our HEC-RAS modeling per the 2012 study. The analysis has identified the need to consider an engineering solution of relocating the proposed location for Regional Detention A that still can meet flood mitigation effort within the San Felipe watershed. The contract is scheduled to be completed in the Fall of 2024 the scope aligns with this FME to develop the necessary analysis and mapping to produce the flood risk maps. The H&H analysis has identified a potential location as well as alternate locations. These locations are not within the Devil's Niver Minnow habitat. While our current contract conducts the modeling analysis with the necessary Atlas-14 data, additional planning requirements are needed prior to submitting to TWDB regional flood planning group. The following planning scope will best prepare this FME: • Project Management for study • Stakeholder meetings • Private landowner(s) collaboration • Evaluation of the proposed primary and alternate sites • FME mapped • Nap inclusions following TWDB minimum standards and required supplemental information • Surveying (topographic survey) • Coordination with TWDB Regional Flood Planning Group with alternatives analysis results • Update TWDB Exhibit C • Develop No Negative Impact Determination • Develop Exhibit D Geodatabas • Refine Planning Estimates As per the minimum standard requirements for this FME, the study will incorporate the latest Atlas-14 precipitation data and the latest freely available topographic data. It is noted that per TWDB Region 15's Amended 2023 Regional Flood Plan Region 15 Lower Rio Grande, page ES-6], Lastly, the City of De IR io has a floodplain ordinance to conform to NF

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16172	151000120	Del Rio	Addendum To The Master Watershed Study RSWF B	The City of Del Rio is seeking planning funds to support an engineering study to validate our new proposed location for the FME ID 151000120 (San Felipe Regional Detention B). The study will conduct H&H models and incorporate the latest Atlas-14 precipitation data as well as the While our current contract conducts the modeling analysis with the necessary Atlas- 14 data, additional planning requirements are needed prior to submitting to TWDB regional flood planning group. The following planning scope will best prepare this FME: • Project Management for study • Stakeholder meetings • Private landowner(s) collaboration • Evaluation of the proposed primary and alternate sites • FME mapped • Map inclusions following TWDB minimum standards and requirements for this FME. the young topographic survey) • Coordination with TWDB Regional Flood Planning Group with alternatives analysis results • Update TWDB Exhibit C • Develop No Negative Impact Determination • Develop Exhibit D Geodatabase • Refine Planning Estimates As per the minimum standard requirements for this FME, the study will incorporate the latest Atlas-14 precipitation data and the latest freely available topographic data. It is noted that per TWDB Region 15's Amended 2023 Regional Flood Plan Region 15 Lower Rio Grande, page ES-6). Lastly, the City of Del Rio has a floodplain ordinance to conform to NFIP requirements latest freely available topographic data to perform the work. The study will be located within Val Verde County and the Devil's River Soil and Water Conservation District and we will ensure proper, certified notification of this effort is communicated should the FME TWDB Regional Flood Planning Group (RFPG) for Region 15, however, due to the age of those projects, they require re-validation or updates to planning estimates. One of these projects is for FME to WDB Regional Flood Planning Group (RFPG) for Region 15, however, due to the age of those projects, they require re-validation or updates to planning estimates. One of these projects is for FM
16175	151000086	Eagle Pass	Risk Area 11 Rancho Escondido	The City of Eagle Pass (City) is requesting financial assistance to conduct a flood planning study to assess the feasibility of constructing a 10'x2' U-shaped channel from Flores Drive to just south of Microtel Inn Suites, replacing an existing culvert under Maza Drive with 1-8'x4 RCB, and installing curb inlet(s) at the cul-de-sac on Nancy Drive. All dimensions are approximate. This proposed study aligns with FME_ID 151000086 "Risk Area 11 Rancho Escondido" as recommended in the Amended 2023 Region 15 Lower Rio Grande Regional Flood Plan.
16177	151000088	Eagle Pass	Risk Area 13 Calle De Los Santos Neighborhood	The City of Eagle Pass (City) is requesting financial assistance to conduct a flood planning study to assess the feasibility of upgrading existing culvert crossing irrigation canal from 2-6'x4' RCB to 4-6'x4' RCB. All dimensions are approximate. This proposed study aligns with FME_ID 151000088 "Risk Area 13 Celle De Los Santos neighborhood. Additional culvert under irrigation canal." as recommended in the Amended 2023 Region 15 Lower Rio Grande Regional Flood Plan.
16180	151000092	Eagle Pass	Risk Area 4 Bibb & Misty Willow Storm Drain	The City of Eagle Pass (City) is requesting financial assistance to conduct a flood planning study to assess the feasibility of installing 6'x4' RCB along Misty Willow Drive from N Bibb Avenue to existing channel between N Bibb Avenue and Timber Valley and installing curb inlets on N Bibb Avenue and Misty Willow Drive. All dimensions are approximate. This proposed study aligns with FME_ID 151000092 "Risk Area 4 Bibb & Misty Willow storm drain" as recommended in the Amended 2023 Region 15 Lower Rio Grande Regional Flood Plan.
16181	151000093	Eagle Pass	Risk Area 5 Debona Drive	The City of Eagle Pass (City) is requesting financial assistance to conduct a flood planning study to assess the feasibility of constructing a 5' deep trapezoidal channel approximately 30 feet wide with 3:1 side slopes and a 5' concrete pilot channel, replacing Juarez Street culvert with 8'x4' box culvert, and realigning existing channel to provide additional distance from homes. All dimensions are approximate. This proposed study aligns with FME_ID 151000093 "Risk Area 5 Debona Drive" as recommended in the Amended 2023 Region 15 Lower Rio Grande Regional Flood Plan.
16184	101000098	El Campo	Blue Creek Regional Detention Modeling	The areas in and around the City of El Campo have experienced unprecedented flooding in recent years. The City has identified a unique opportunity to retrofit an existing basin along Blue Creek, to allow for floodplain mitigation and provide a drainage solution for the surrounding area. There is a need to develop a proposed conditions H&H model for the area to ensure proper control sizing and provide a drainage design in the area that provide the necessary benefits. This Flood Management Evaluation (FME) will provide engineering services to revise and update the existing conditions models for the portion of Blue Creek and determine the approximate existing conditions levels of service for the surrounding area. The FME deliverable will be hydraulic models to be utilized for proposed basin improvements and potentially storm sewer system improvements in the surrounding area if deemed necessary. We will run the 2-, 10-, and 100-year storms to determine level of service for differing storm events. All models will be analyzed with Atlas 14 rainfall to document water surface elevations and flooding extents. In addition, the existing condition models, will be revised to include additional survey information or updates where necessary. For the hydraulic models, we will confirm potential improvements to the basin which provide floodplain mitigation along Blue Creek with potential overflow weirs and outfall pipes to minimize flooding downstream. In the same manner, roadside ditches along surrounding roadways and other drainage paths will be feasibly sized to convey utimate flows for appropriate storm events. The FME will include the following project deliverables: a compilation of data collected and evaluated, updated GIS, H&H models, conceptual solutions, schematics, opinion of probable construction costs (OPCC), and drainage funding options.
16185	141000034	El Paso	FMP Development for El Paso Water SWMP	The "EL Paso Water and City of EL Paso EL Paso Stormwater Master Plan Update" (AECOM, 2021) includes 96 recommended stormwater infrastructure projects to mitigate flooding within the City of EL Paso jurisdiction. The City Stormwater Master Plan (SMP) is an update to the 2009 SMP, resulting in the elimination of some projects that were constructed, modifications to projects which have revised designs since 2009, and new projects that were not in the original SMP. The 2021 City SMP describes the existing flood risk addressed by the plan as the following: " the 2009 SMP considered all parts of the City for evaluation, but then focused its attention on areas where flood risk was particularly high. This process allowed the evaluation and planning efforts to focus on major threats and produced a more cost-effective and useful plan than a broader and more costly effort might have produced."

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16186	141000015	El Paso	Arroyo Debris Prioritization	Numerous arroyos in EL Paso County have alluvial fans that extend through developed and irrigated areas. Many of these arroyos lack of sediment/debris control structures to prevent sediment deposition in flood water conveyance structures (flood control channels, culverts, irrigation drains that periodically convey stormwater). This deposition reduces or blocks flood conveyance capacity, leading to increased risk of flood-induced damages, high post-flood maintenance costs, and the potential for loss of life. Flood Management Evaluation Scope of Work: This FME will provide research and engineering evaluations of arroyos that have historically created flood damages and high maintenance costs. FMS ID: 142000016 will follow this FME as the FMS focuses on 1) developing structural and non-structural solutions to reduce sediment loadings from arroyos (using an arroyo identified in FME 141000015 as an example), and 2) generalizing the strategies and technical methods suggested for the example arroyo for application throughout the region. The SOW for this FME will includes: Task 1 - Data Collection. This task includes: • Regional studies and local maintenance records will be reviewed to assemble data that can be used to estimate future sediment loadings for a variety of typical local watershed conditions. • Interviews with stakeholder engineering and maintenance staff to identify priority uncontrolled arroyos and characterize historic sedimentation associated with those arroyos. • Collection of watershed data from identified arroyos: terrain slopes, vegetation, soil type, changes per readily accessible historic aerial photography. Task 2 - Existing Condition Engineering Analysis. The data collected will be analyzed and a refined method developed to estimate relative production of sediment for each identified uncontrolled arroyo. Available floodplain models will be reviewed to estimate for each identified uncontrolled arroyo. Available floodplain models will be reviewed to estimate sociated with drainage conveyance blocka
16187	141000035	El Paso County	FMP Development for El Paso County SWMP	The Project involves development of Flood Mitigation Projects (FMPs) for additional projects from the El Paso County Stormwater Master Plan. It includes development of all required datasets and models for 21 projects from the El Paso County Stormwater Master Plan to be considered as FMPs in the RFP. The "El Paso County Stormwater Master Plan Update" includes 66 recommended stormwater infrastructure projects to mitigate flooding within the El Paso County Jurisdiction, outside of the City of El Paso limits. Four of the projects from the 66 recommended projects in the City SMP were evaluated and recommended as FMPs in this RFP, and six of the crossing improvement projects on Mesa Drain (HAC9, HAC10, HAC11, HAC12, HAC13, and HAC14) are included in Flood Management FME (FME). Through coordination with El Paso County, 21 additional projects from the County SMP were selected for inclusion in this FME. The scope for each project in this FME includes developing or refining all required H&H models to meet the RFP data and modeling requirements for recommended FMPs. The project aims to provide various flood management strategic options to reduce flood risk and damage.
16197	031000043	Ellis Prairie S&W CD	Ellis County Dam Inundation Study	Elis County Dam Inundation study will include the development of Hydrologic and Hydraulic (H&H) models to define dam inundation area and emergency action plan for all the high and significant hazard dams located in Elis County. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. Per Texas Administrative Code (Title 30 chapter 299, dams and reservoirs), dams are required to be evaluated for threats to human life or property to determine the adequacy of the design, construction, or operation of the dam to meet safety criteria. The design flood for a given dam is based on both the size and hazard classification of the dam and is expressed as a percentage of the Probable Maximum Flood (PMF) TAC \$299.15. In addition to evaluating the design flood capacity, the hydrologic models are used to establish peak water surface elevations and reservoir inflow hydrographs, which are in turn utilized for performing the breach analysis and generating breach inundation mapping. A hydraulic model will be used to analyze downstream conditions from flows through a dam; either designed flows through a spillway or hypothetical flows resulting from an uncontrolled breach, or failure, of the dam. Specific to this project, hydraulic models are used to map inundation extents from a hypothetical breach of the dam. Inundation mapping is then used as a critical element of an Emergency Action Plan (EAP). TCEQ requires breach analyses and EAPs for all significant and high hazard dams. This study will utilize the design flood peak water surface elevations and inflow hydrographs developed by the hydrologic models to perform the breach analysis and generate the breach inundation mapping. The breach models will evaluate the required breach scenarios – normal pool breach (aka, sunny day breach), barely overtopping breach (if necessary), and design flood (PMF) breach (TAC \$299.15a.4.4.i)
16198	031000415	Flower Mound	East Waketon Road Drainage Improvement	Town of Flower Mound is interested in additional infrastructure for a flood mitigation concept located between FM2499 and existing culvert crossing of Waketon Road east of Timber Way Drive. The Town has historically seen flood waters overtopping Waketon Road. Upon preliminary review an additional mixture of channel grading and ROW berm would be required to contain the flooding of the surrounding area from overtopping Waketon Road.
16199	031000480	Flower Mound	Floodplain Mapping Updates of Bakers Branch	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Bakers Branch. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16200	031000478	Flower Mound	Floodplain Mapping Updates of Bakers Branch Tributary 1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Bakers Branch Tributary 1. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16201	031000479	Flower Mound	Floodplain Mapping Updates of Bakers Branch Tributary 2	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Bakers Branch Tributary 2. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16202	031000484	Flower Mound	Floodplain Mapping Updates of Graham Branch	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Graham Branch. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16203	031000483	Flower Mound	Floodplain Mapping Updates of Graham Branch Tributary 10	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Graham Branch Tributary 10. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16204	031000481	Flower Mound	Floodplain Mapping Updates of Graham Branch Tributary 3	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Graham Branch Tributary 3. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16205	031000482	Flower Mound	Floodplain Mapping Updates of Graham Branch Tributary 9	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Graham Branch Tributary 9. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16206	031000485	Flower Mound	Floodplain Mapping Updates of McKamy Creek	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of McKamy Creek. These mapping updates
16207	031000487	Flower Mound	Floodplain Mapping Updates of Sharps Branch	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Sharps Branch. These mapping updates would create regulatory base flood elevations and convert Zone A to EFEMA floodplain via a LOMR.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16208	031000486	Flower Mound	Floodplain Mapping Updates of Sharps Branch Tributary 3	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Sharps Branch Tributary 3. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16209	031000490	Flower Mound	Floodplain Mapping Updates of Stream SB-1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Stream SB-1. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16210	031000488	Flower Mound	Floodplain Mapping Updates of Stream SB-1 Tributary 1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Stream SB-1 Tributary 1. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16211	031000489	Flower Mound	Floodplain Mapping Updates of Stream SB-1 Tributary 2	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Stream SB-1 Tributary 2. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16212	031000491	Flower Mound	Floodplain Mapping Updates of Stream WB-1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Stream WB-1. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16213	031000492	Flower Mound	Floodplain Mapping Updates of Stream WC-1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Stream WC-1. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16214	031000493	Flower Mound	Floodplain Mapping Updates of Stream WC-3	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Stream WC-3. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16215	031000494	Flower Mound	Floodplain Mapping Updates of Stream WC-4	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Stream WC-4. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16216	031000495	Flower Mound	Floodplain Mapping Updates of TC-2 Tributary 2	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of TC-2 Tributary 2. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16217	031000496	Flower Mound	Floodplain Mapping Updates of TC-2 Tributary 4	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of TC-2 Tributary 4. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16218	031000498	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 10	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Timber Creek Tributary 10. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16219	031000499	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 11	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Timber Creek Tributary 11. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16220	031000500	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 13	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Timber Creek Tributary 13. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16221	031000501	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 16	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Timber Creek Tributary 16. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16222	031000502	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 17	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Timber Creek Tributary 17. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16223	031000503	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 18	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Timber Creek Tributary 18. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16224	031000497	Flower Mound	Floodplain Mapping Updates of Timber Creek Tributary 9	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Timber Creek Tributary 9. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16225	031000504	Flower Mound	Floodplain Mapping Updates of Tributary C to Timber Creek	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Tributary C to Timber Creek. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR
16226	031000505	Flower Mound	Floodplain Mapping Updates of Unnamed 4	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Unnamed 4. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR
16227	031000507	Flower Mound	Floodplain Mapping Updates of Unnamed 5 Tributary 1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Unnamed 5 Tributary 1. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16228	031000506	Flower Mound	Floodplain Mapping Updates of Unnamed 5 Tributary 1.2	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Unnamed 5 Tributary 1.2. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone AE FEMA floodplain via a LOMR.
16229	031000508	Flower Mound	Floodplain Mapping Updates of Unnamed	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Unnamed Tributary to Bakers Branch. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone A FEFMA floodplain via a LOMR
16230	031000509	Flower Mound	Floodplain Mapping Updates of WB-1 Tributary 1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of WB-1 Tributary 1. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone A FEMA floodplain via a LOMR
16231	031000512	Flower Mound	Floodplain Mapping Updates of Whites Branch	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Whites Branch. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone A FEFMA floodplain via a LOMB.
16232	031000511	Flower Mound	Floodplain Mapping Updates of Whites Branch Tributary 2	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Whites Branch Tributary 2. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone A F FFMA floodplain via a LOMR.
16233	031000510	Flower Mound	Floodplain Mapping Updates of Whites Branch Tributary 2.1	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Whites Branch Tributary 2.1. These mapping updates would create regulatory base flood elevations for the remaining Zone A sections of Whites Branch Tributary 2.1. These mapping updates would create regulatory base flood elevations for the remaining Zone A sections of Whites Branch Tributary 2.1. These mapping updates would create regulatory base flood elevations for the remaining Zone A sections of Whites Branch Tributary 2.1.
16234	031000513	Flower Mound	Floodplain Mapping Updates of Wichita Chase	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Wichita Chase Tributary. These mapping undates would create regulatory base flood elevations and convert Zone A to Zone A FEFMA floodplain via a LOMR
16235	031000514	Flower Mound	Floodplain Mapping Updates of Wichita Creek	Town of Flower Mound is interested in potential floodplain mapping updates to establish base flood elevations for the remaining Zone A sections of Wichita Creek. These mapping updates would create regulatory base flood elevations and convert Zone A to Zone A EFEMA floodplain via a LOMR.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16236	031000416	Flower Mound	Garden Ridge Boulevard Bridge Erosion Stabilization	Town of Flower Mound is interested in preliminary engineering and infrastructure improvements for an erosion mitigation concept located at the existing stormwater crossing of Timber Creek underneath the Garden Ridge Boulevard bridge. The Town has seen signs of significant erosion of existing gabion walls and will need to implement addition erosion protection measures to protect the slopes.
16237	031000515	Flower Mound	Hydrologic Updates of Town Wide Fully Developed Hydrology	Town of Flower Mound is interested in potential hydrologic updates of our existing Town Wide Ultimate Hydrologic model to incorporate surrounding communities updated anticipated fully developed flows and verify hydrologic assumptions established in 2009 are still valid assumptions with today's values.
16238	031000417	Flower Mound	Jernigan Road Drop Inlet and Bar Ditch Improvements	Town of Flower Mound is interested in additional infrastructure for a flood mitigation concept located on the Jernigan Road south of Messina Path and east of Via Italia Drive. The Town has received resident complaints of water backing up in the bar ditch and overflowing onto residential properties. Upon preliminary review an additional drop inlet on the east side of Jernigan Road along with bar ditch grading could collect the runoff and collect in the existing underground drainage system
16239	031000418	Flower Mound	Pecan Acres Drainage Improvements	Town of Flower Mound is interested in additional infrastructure for a flood mitigation concept located within the Pecan Acres subdivision. The Town has received resident complaints of water backing up in the bar ditch and overflowing onto residential properties. Upon preliminary review the bar ditch system and residential driveway culverts throughout the neighborhood would need to be removed and replaced to provide for adequate flow through the system.
16240	031000414	Flower Mound	Pecan Acres Floodway Lot Acquisitions	Town of Flower Mound is interested in potential property acquisition of lots completely contained within the boundaries of the FEMA floodway of Timber Creek. Building permits for these lots will not be issued by the Town and properties are owned by private individuals. Area should remain natural to ensure the conveyance of Timber Creek remains unchanged.
16241	031000419	Flower Mound	Range Wood Drive, Kings Road & Lusk Lane Drainage Improvements	Town of Flower Mound is interested in additional infrastructure for a flood mitigation concept located along Range Wood Drive, Kings Road and Lusk Lane. The Town has historically seen flood waters overtopping Kings Road and Lusk Lane as well as surcharging storm system on Range Wood Drive. Town has also received resident complaints of water backing up in residential structures and properties. Upon preliminary review an additional mixture of underground and above ground storm system consisting of box culverts, piping and bar ditch grading would be required to lower the surrounding water surface elevation to protect the homes.
16242	031000420	Flower Mound	Royal Oaks Curb Inlet Improvements	Town of Flower Mound is interested in infrastructure improvements for a flood mitigation concept located in the Royal Oaks subdivision. The Town has received resident complaints of water backing up on residential properties and entering homes on Dexter Court. Upon preliminary review the existing inlet spacing throughout the subdivision does not sufficiently capture the gutter flow and majority bypasses to the last inlets near Dexter Court and become inundated. Intention would be to expand multiple curb inlet widths to accommodate in collecting more into the underground storm system and reduce the bypass.
16243	031000421	Flower Mound	Stream Bank Stabilization – Various Locations Town Wide	Town of Flower Mound is interested in additional infrastructure for erosion mitigation concepts located throughout the Town of Flower Mound. The erosion stabilization projects would be prioritized Town wide based on current erosion limits and highest risk to structures as well as life, health and safety of Town of Flower Mound residents.
16244	031000422	Flower Mound	Sunset Trail Drop Inlet and Outfall Improvement	Town of Flower Mound is interested in preliminary engineering and infrastructure improvements for a flood mitigation concept located at the existing stormwater crossing of Sunset Trail located on Sharps Branch Tributary 1. The Town has received resident complaints of water backing up on residential properties. Upon preliminary review the roughly 167-acre basin that drains to this crossing the system does not have the hydraulic efficiency to convey the flows without significant buildup of head located at the drop inlet.
16245	031000423	Flower Mound	Timber Creek Road Bridges Erosion Stabilization	Town of Flower Mound is interested in preliminary engineering and infrastructure improvements for an erosion mitigation concept located at the existing stormwater crossings of Timber Creek underneath the two Timber Creek Road bridges. The Town has seen signs of erosion and will need to implement addition erosion protection measures to protect the slopes.
16250	111000019	Gonzales	City of Gonzales Tinsley Creek Flood Mitigation Project Planning	Project planning for proposed improvements along Tinsley Creek include replacing a low water crossing at Johnson Street, adding culverts under Johnson Street, and replacing box culvert crossings with free span bridge crossings at several streets. Funding to complete a portion of this project was received through the CDBG MIT Regional competition in 2021. The additional funds requested for this project from the Texas Water Development Board will allow the City of Gonzales to utilize TWDB funds to pay for Planning activities, thereby increasing the amount of funding available from the CDBG MIT grant for construction. The General Land Office is aware that the City of Gonzales is applying for these additional project funds and has approved this use, if TWDB grant is awarded.
16251	111000018	Gonzales	City of Gonzales Tinsley Creek Improvement Project Planning	Project planning to upgrade aging infrastructure that was overwhelmed during Hurricane Harvey. Projects may include replacing box culvert bridges, replacing box culvert bridges with clear span bridges, and relocating utilities within the stream bed. Funding to complete a portion of this project was received through the CDBG MIT Regional competition in 2021. The additional funds requested for this project from the Texas Water Development Board will allow the City of Gonzales to utilize TWDB funds to pay for Planning activities, thereby increasing the amount of funding available from the CDBG MIT grant for construction. The General Land Office is aware that the City of Gonzales is applying for these additional project funds and has approved this use, if TWDB grant is awarded.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16252	031000197	Grand Prairie	3rd St at Cottonwood Creek and Cottonwood Creek from SW 3rd to FM 1382	The City of Grand Prairie has identified the Cottonwood Creek basin as a priority watershed to evaluate within the city limits. This priority remains consistent with the requirements set forth in the City difed Drainage Master Plan Road Map. The watershed spans both the City of Arington and the City of Grand Prairie. The last storm water report was completed in 2012, at this time, it was estimated that the City of Arington and Grand Prairie would be used this plan and focus on an area specific to 3rd Street and Cottonwood Creek. Background: The City of Grand Prairie weleped a City-Wide Drainage Plan Road Map as a forward-thinking living document that can be updated as needed. This document has provided the City with the building blocks to reduce the potential of stormwater damage to public health, safety, life, property, and the environment. This strategy allows the City to provide a systematic and financially sound strategy for reducing or eliminating flooding in Grand Prairie. The Cottonwood Creek, Nariro Creek, and Plattner Creek). This basin also includes five minor tributaries (Daniels Branch, Jackson Branch, Bostick Branch and Williamson Branch). This watershed spans and impacts two different cities; the upstream city is City of Arlington and the intermediate and downstream is located within the city of Grand Prairie. The latest study was completed in 2012 and since this time, both areas have experienced a substantial amount of growth. The projections in the latest study suggest the City of Arlington and Grand Prairie would reach utimate buildout tin 2025 and 2030 respectively. This data insinuates that the impervious cover of the watershed has increased, and to ensure the City is staying true to their road map they will need to update this study area. The Cottonwood Creek and a substantial mount of growth. The 100-year time to they area as needing bridge improvements. The area is currently experiencing flooding that overtops the bridge at the 10-yr. The 100-year more evaluate Cotton wood Streek and be st
16254	031000188	Grand Prairie	Carrier Parkway at Dalworth Creek	The City of Grand Praine wants to secure funding through the Texas Water Development Board (TWDB) to update the watershed that flows to Dalworth Creek. This update to the watershed will focus on an area that experiences frequent flooding, overtopping the roadway facility at Carrier Parkway and Dalworth Creek. The goal for the City of Grand Prairie is to update the watershed's hydrology, determine the current deficiencies, to develop improvements to evaluate the flows at this crossing, and develop actionable solutions for the City to move forward with or ectify the flooding that this facility is currently experiencing. The study for Carrier Parkway and Dalworth Creek complies with the requirements previously set forth in the "City Wide Drainage Master Plan Road Map," established in August 2010. Dalworth Creek has existing problems involving flooding of adjacent structures, crossion, and sedimentation. The drainage area that feeds Dalworth Creek does not contain any major tributaries. Dalworth Creek has existing problems involving flooding of adjacent structures, erosion, and sedimentation. The drainage area that feeds Dalworth Creek does not contain any major tributaries. Dalworth Creek has existing problems involving flooding of adjacent structures, evolven and upstreem limits located at Northwest 23rd Street. The creek is designated by Federal Emergency Management Agency (FEMA) as a 2 ne AE. The total length of Dalworth Creek is parceiven with an approximately 12 people and 30 structures. This crossing experiences frequent flooding events, beginning with the 5-year storm event. The impact felt by the storm event descalates in severity as the intensity of the storm event the severaped at the S-year event with an approximately 3.2 feet of water. The requested funding will allow the City to a by engaging contracturally with a subject that the value tastes that the 100-year event will overtop the road with approximately 3.2 feet of water. The requested funding will allow the City to a by engaging contracturally wi

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16255	031000251	Grand Prairie	Henry Branch Stream Stabilization	This study aims to keep in line with the City-wide Drainage Master Plan for Cottonwood Creek and offer up-to-date technical data for managing the Henry Branch watershed. The study will focus on current flooding, erosion, and sedimentation issues within the watershed and presents alternative plans and design concepts to mitigate potential damage. Background: The Henry Branch watershed is a subbasin located in the Cottonwood Creek watershed, which begins in Ardington, Texas and flows downstream to the City of oran Praine. The Cottonwood Creek watershed is predominantly urbanized, with about 85% of the area being characterized by a mix of commercial, industrial and residential development. The Henry Branch watershed is situated in the northeastern part of the Cottonwood Creek watershed, which begins in Ardington. Parses and flows downstream to the City of Grand Praine. The Study alms to set situated in the northeastern part of the Cottonwood Creek basin, just south of Interstate 30. The total area that the Henry Branch watershed covers is approximately 0.37 square miles and is estimated to affect a population of around 1,300 people. The stream has undergone previous studies and condition assessments since this time more development has occurred since 2013. This increase in development has a direct correlation with increased stormwater runoff, the channel has locations that are considered severe and the channel is in critical condition. Purpose: The funding being requested is necessary for the successful implementation of the Henry Branch stream stabilization project. The project involves conducting a comprehensive study of the current flooding, erosion, and sedimentation issues within the watershed and developing effective solutions to mitigate potential damage. The study will require the latest record drawings, StormCAD model. Soils Glo data, storm system inventory, land use data, LIDAR data, and the HALFF and Associates Basin study. The funding, erosion, and sedimentation. Hue City of Grand Praines Dra
16256	031000224	Grand Prairie	Shady Grove Rd, Gilbert Rd, Wright Blvd	that aims to mitigate the potential damage caused by flooding, erosion, and sedimentation in the Henry Branch watershed. The proposed study will be conducted using the latest technology and Introduction: The proposed study area is comprised of two model areas that make up the Shady Grove Water Shed. The area of interest within the Shady Grove basin is Subbasin V. The project's purpose is to update the existing hydrologic conditions of the Shady Grove Basin and impacts within the study area. This update will include a new stormwater model with more recent data to determine hydrologic and hydraulic impacts as well as mitigation options to alleviate the flood impacts and develop solutions to rectify the flooding in the basin. Background: This area is experiences residential and commercial development. Because of this and the increase in impervious area, the runoff generated from lot to to is increasing each year, and the existing facilities are not able to accommodate this growth and abrupt changes in weather patterns. The East model's existing conditions are unable to support the area once fully developed. The area is certain to experience more widespread flooding and severe flash flooding with mildly reoccurring storm evenes. The city and local residents have identified this area as a flooding hot spot that needs immediate attention. The 100-year flood plain seven that 12,764 people, 215 structures, three critical facilities, and 170 acres of impacted undeveloped property are currently at risk. Purpose: The proposed study would include Basins U and V, which contribute to the overall area and stormwater floos that discharge into bagin facilities within the drainage area from the 100-year flood plain, decreasing the population at risk and from the development sites. The study would also look to remove all critical facilities within the drainage area from the 100-year flood plain, decreasing the population at risk and the divid of Grand Prairies Technical Modeling Standards for Watershed. Wide Storm Drain

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16257	031000232	Grand Prairie	Shady Grove Road	Introduction: The Shady Grove area in Grand Prairie, Texas, has experienced substantial growth and development. This growth is comprised of commercial, residential, and major transportation infrastructure which has allowed for more infill development within the Shady Grove drainage area. The current area of interest is Shady Grove Road from Bear Creek to Ellis Drive just west of SH 161. The current study area will be focused on has an estimated population of 2,782 people and 465 structures at its. Of that, one (1) of them is a critical facility. The basin has an additional 265 acres of undeveloped property and an estimated six (6) miles of roadway that is currently impacted due to por drainage. The drainage area does not have the required stormwater infrastructure improvements, such as SH161. These storm water improvements have made the area more accessible and desirable for commercial businesses. However, the current system does not have the capacity to handle the current conditions and will not allow for additional development within the Cfty. The current drainage facility system conveys the stormwater under SH161 and discharges into Bear Creek along Shady Grove Road. The stormwater system from SH161 ties into the Shady Grove system, further requiring this study to be performed which will determine the appropriate size of facilities to note fully developed, this area will experience more widespread and severe flooding. Additional analysis and planning needs to occur to prevent the potential impacts to the public's health, safety and welfare. Purpose: The City of Grand Prairie is seeking support from the Texas Water Development Board (TWDB) to develop an updated stormwater study or the area's increased rund find study how the discharge form this subbasin will impact Baar Creek at and this downstream effects. Methoology. The study and technical analysis will be prepared using methods that align with the City of Grand Prairie S prainage Design Manual (DDM). Volumes 1-2, and the City of Grand Prairies Total acids
16258	031000205	Grand Prairie	Shady Grove Road – Jones Street Storm Drainage Improvements	Introduction: The proposed study area is comprised of two modeled areas that make up the Shady Grove Water Shed. The area of interest within the Shady Grove basin is Subbasin V. The project's purpose is to update the existing conditions of the Shady Grove Basin and the stormwater impacts from the area for the 100-year fully developed conditions. This update will include a preparing a new stormwater model with more recent data to determine the flood impacts and develop solutions to rectify the flooding in the basin. Background: The study for Jones Street and Basin V complies with the requirements previously set forth in the "City Wide Drainage Master Plan Road Map," established in August 2010. Jones Street basin has existing problems involving flooding of adjacent structures and stormwater inundation of transportation facilities. The Study area is comprised of two modeled boundaries: a west study area and an east study area, with Bear Creek being the common shared boundary between the two. This area to be studied is along E. Shady Grove Rd and Jones Street. The area does not currently have adequate underground infrastructure to convey the storm water downstream to Bear Creek. This study area is currently drained by roadside ditches and culverts for E. Shady Grove Road and Jones Street. The primary outlet for the stormwater flow is an area north of E. Shady Grove Road and discharges into a single culvert extending south underneath East Shady Grove Road. All of the flow on the north side of E. Shady Grove Road is conveyed under the road through a single culvert pipe. The flow has been documented and shown discharging from this outfall onto private property. The discharge point at Bear Creek. And evaluate erosion and scour analysis and look into channel and flow characteristics as the stormwater reaches Bear Creek more efficiently. The discharge evaluation would need to confirm that the improved stormwater convegance does not negatively impact the stormwater flow from Highway 161. Methodology: The study and technic

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16259	111000170	Guadalupe County	Guadalupe County Drainage Master Plan	Through this grant application, Guadalupe County desires to complete a detailed Drainage Master Plan to identify existing and future flood prone areas and develop a flood protection plan to mitigate flood problems. The objective of the proposed planning effort is to provide the County with an accurate assessment of the hydrologic and hydraulic conditions of the subject watersheds and streams, and a practical storm water management plan to address the critical flooding problems, as well as provide the County with an important tool to manage growth and development. A detailed description of the proposed planning study scope of work is presented as follows: 1. Project Management The County's consultant will conduct a kick-off meeting with County representatives and the TWDB project manager. The kick-off meeting will cover the following topics: • Project communication & reporting responsibilities - establish the frequency and method of interface with WDB project manager. The kick-off meeting with or yund ereas and any other parties: • Project milestone and schedule; and • Project deliverables at each milestone. During the course of the study, project progress reports will be submitted to TWDB at a minimum interval of quarterly (once every 3 months). Project progress meetings will also be conducted on an as-needed basis. Meeting agendas will include the following: • Tasks accomplished since last meeting • Discussion of issues discovered, if any • Tasks to be performed • Project schedule status • Budget status A minimum of two (2) public meetings will also be conducted: on to solicit input on initial flood problem area identification and one to present findings upon development. A (FIRM) of adaset plans, drainage studies and reports, citizen drainage complaint reports, storm damage reports, field survey data, as-built information, and other relevant data within the proposed planning area. A base map will be developed using the following information: • Current FBMA FIS and Flood Insurance Rate Map (FIRM) • Digital GIS
16260	031000064	Haltom City	Haltom City FME	Haltom City (City) is split by 2 HUC12 watersheds: Sycamore Creek West Fork Trinity River to the south and Whites Branch-Big Fossil Creek to the north. Flooding ranks as the number 1 greatest hazard to the Haltom City jurisdiction as documented in the Tarrant County Hazard Mitigation Action Plan. Within the City limits, 1,049 structures lie within the FEMA delineated 100-year floodplain, and approximately 6,002 people are at 100-year flood risk. The City has 6 critical facilities and 7 low-water crossings at risk along with 22.5 miles of road and 71 acres of agricultural land. In the August 22, 2022 rain event, 4 road closures were observed at Little Fossil Creek crossings including Eastridge, Fincher, Haltom Road, and Watthall. Haltom City also contains 13 repetitive loss (RL) structures that have suffered 122 losses and necessitated more than \$3.3 million in payments from the NFIP fund since 1978. Of the 13 RL structures, 8 are residential and 5 are nonresidential. Additional infrastructure, habitable structures, and population may be at risk from urban (non-riverine) flooding which has not been evaluated. Haltom City limits contain 1 dam listed on the National Inventory of Dams: Knapp Lake Dam, oxeed by the Texas Department of Transportation. Knapp Lake Dam is classified as a high hazard dam indicating that loss of human life is likely if the dam fails. A now outdated stormwater masterplan from 2005 conducted hydrologic and hydraulic (H&H) analyses on several open and closed storm drainage systems in the City is goals for the Flood Management Evaluation (FME) include evaluating the open and closed storm drainage systems froughout the City using engineering services to perform H&H analyses. The FME deliverable includes identifying and prioritizing capital improvements projects to improve capacity, safety, and reliability of these systems as well as investigating atternatives that reduce the number of repetitive loss structures by flood mitigation or voluntary buyouts. The utlimate goal is to improve the quali
16264	061000317	Harris County	Arcadian Gardens Subdivision Drainage Improvements	Study to provide the Cost Benefit Analysis that is conducted to elevate the project to a FMP. To achieve this goal, the key features of improvements are to rehabilitate roadside swales, build new storm sewers, and improve the outfall drainage conditions.
16265	061000323	Harris County	B106-WP01 & WP02 for Armand Bayou Watershed	The study will provide the Benefit-Cost Analysis that is conducted for this project to become a FMP. Conveyance improvements for B106-00-00 channel, including detention/mitigation storage are the preferred option.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16266	061000026	Harris County	Bridgewater Village & Enclave at Bridgewater Drainage Analysis	Additional analysis is needed in the Jackson Bayou watershed, specifically along R102-00-00, to determine the necessary improvements and provide a no-impact solution.
16267	061000464	Harris County	Carpenters Bayou (West Acres, Shadowglen & Old River Terrace Neighborhood	Further study is needed to develop a Benefit-Cost Analysis that is required to elevate the project to an FMP. The goal of the project is to reduce flooding in Problem Area #5 identified in the Carpenters Bayou Watershed Planning Project Report, 2021.
16268	061000028	Harris County	Gum Gully Rd, W Stroker Rd, Wigwam Ln, and	Further study of the 2019 report recommendation is needed. The report indicated that regional drainage improvements to the streams must be studied and implemented before Harris County
			Related Infrastructure Drainage Improvements	can obtain a benefit from roadway drainage improvements.
16269	061000329	Harris County	1100-WP06 for Vince Bayou Watershed Planning Project	The study will provide the Benefit-Cost Analysis that is conducted for this project to become a FMP. Other tasks include Right-of-way acquisition, design, and construction of a stormwater detention basin and channel widening near Strawberry Road and Young Street.
16270	061000331	Harris County	1100-WP07 for Vince Bayou Watershed Planning Project	The study will provide the Benefit-Cost Analysis that is conducted for this project to become a FMP. Pending Pasadena Street Lowering (CIP), right-of-way acquisition, design, and construction of stormwater detention basin and construction of culverts near Pasadena Blvd.
16271	061000330	Harris County	I100-WP10 for Vince Bayou Watershed Planning Project	Study will provide the Benefit-Cost Analysis needed for this project to become a FMP. Other tasks including right-of-way acquisition, design, and construction of two stormwater detention basins near Westside Dr. and Westside. Ct.
16272	061000332	Harris County	I100-WP11 for Vince Bayou Watershed Planning Project	Study will provide the Benefit-Cost Analysis that is conducted for this project to become a FMP. Other tasks include right-of-way acquisition, design, and construction of a stormwater detention basin near Spencer Hwy. and Tulip Street.
16273	061000027	Harris County	Lake Shadows Subdivision Drainage	Further study and development of FMP based on the 5 recommended alternatives, which include installing the Foley trunkline downstream of the pipelines, upsizing and installing new outfalls, and installing the Belle Cote trunkline.
16274	061000528	Harris County	Little Cypress Creek Local Drainage Study	The main objective of this study is to analyze local subdivisions that have experienced repetitive loss and flooding. The study will identify flood mitigation projects within the Little Cypress Creek watershed.
16275	061000029	Harris County	Spanish Cove Subdivision Drainage Assessment	Additional analysis is needed to confirm no negative impact. The expected outcome is to safely convey the increase in flow into G103-27-00, but this must be demonstrated during the project design phase.
16276	061000024	Harris County	Williamsburg Subdivision Drainage Assessment	Further study of a flood resiliency solution in the Williamsburg Subdivision which includes a required weir structure design and detail.
16280	061000175	Harris County Flood Control	SAFER Study	The SAFER (Solutions for Adaptive Flood Mitigation Equitably Empowering Resilient Communities) Study is a flood mitigation evaluation that will look broadly across the Harris County. This large-
		District		scale planning study will include 11 watersheds within Harris County. Historically, the Harris County Flood Control District has pursued and implemented projects incrementally, as funding has allowed. Project recommendations identified during the SAFER Study will be significant in geographic scale and in the associated benefits that would be provided for a significant area of Harris County, benefitting residents and the public. The SAFER Study will not only evaluate the effectiveness of large-scale flood mitigation projects with instategic locations, but also how potential large-scale projects will function collectively with the existing flood damage reduction system to provide benefits across Harris County. While the SAFER Study is a new feasibility study, It will build on information gathered and produced in connection with two previous stormwater tunnel study, was conducted to Octortol District. The first study, documented in the 2019 report "Design Criteria Memorandum, Deep Tunnel Study Phase 1" (referred to as the Phase 1 Tunnel Study), was conducted to didentify potential tunnels system alignments with consideration of physical requirements necessary for a stormwater tunnel system to function, as well as where the most benefit could be provided by stormwater tunnels. Study of the Phase 2 Tunnel Study are presented in the 2022 report "Basis of Design Report, Study of Feasibility of Constructing Storm Water Conveyance Tunnels, Phase 2. Results of the Phase 2 Tunnel Study (please see attached study are angit). It arys Bayou 2. Burfot Bayou 3. Clear Creek 4. Opress Creek 5. Greens Bayou 6. Halls Bayou 7. Hunting Bayou 8. Little Cypress Creek 9. Sims Bayou 10. White Oak Bayou 11. Vince Bayou 11. Bayou Sayou 2. Burfot Bayou 3. Clear Creek 4. Opress Creek 5. Greens Bayou 6. Halls Bayou 7. Hunting Bayou 8. Little Cypress Creek 9. Sims Bayou 10. White Oak Bayou 11. Vince Bayou 12. Bayou 2. Burfot Bayou 3. Clear Creek 4. Opress Creek 5. Greens Bayou 6. Halls Bayou 7. Hunting Bayou 8. Little Cypress Creek 9. Sims Ba

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16284	111000118	Hays County	Community Flood Mitigation Planning Project	Hays County is seeking funds for the creation of a community flood mitigation planning who will lacel food risk and damages to lives, buildings, and critical infrastructure. To complete this project, Hays County will thire a consultant with experience in flood mitigation planning who will facilitate the project as well as coordination with other participating stakeholders. There will be a variety of data collection tasks (leverage terrain, general data collection, collection of available H&H modeling and mapping) aimed at gathering information relevant to the flood exposure identification and planning process. The county will utilize available H&H modeling and mapping in the Guadalupe River Basin of Hays County to identify building exposed to flood risk. Identification will be performed for 27 hot spots and exposure of each hot spot for long-term mitigation planning. This project will also have a focus on the risk to transportation systems and will include the identification of critical transportation routes in the Guadalupe River Basin of Hays County. The project will also have a focus on the risk to transportation systems and will include the identification of critical transportation routes in the Guadalupe River Basin of Hays County. The project will update Hay County's risk ranking of stream crossings for 100 high-risk stream crossings. Risk will be based on the annual probability of roadway overtopping multiplied by the average daily traffic. Additionally, eight low water crossing improvements will be identified as potential flood mitigation projects (FMPs) including all documentation necessary for inclusion in regional flood planning including analysis supporting no adverse impacts, cost estimation, TWDB's benefit cost analysis, and identification of benefits. QA/QC will be performed to ensure a multi-level approach to ensure all project goals are met, critical/technical issues are addressed, and high-quality products are delivered in a timely fashion. Finally, the project will produce a mitigation planni
16286	111000180	Hays County	Hays County Drainage Master Plan	Hays County is seeking funds for the creation of a Drainage Master Plan in order to develop a storm water drainage system to help with the mitigation of floodwaters. The proposed plan will cover approximately half of the county footprint spanning the area in southern Hays County that is within the Guadalupe Watershed. The focus of the plan will be on developing new Atlas 14 flood risk data. Hays County will hire an experienced consultant to create the plan. This project will include data collection, hydrology, hydraulic analysis and mapping, conceptual flood mitigation analysis, QA/QC, and documentation/public outreach. The data collection phase will involve collecting data on terrain development, general data, and historical data in order to begin the modeling and planning process. In the hydrology phase, new InFRM Atlas 14 data will be used for hydrologic modeling for the Guadalupe River Basin and City of San Marcos watersheds with minor updates to establish flows for use in the hydraulic analysis. The hydraulic analysis and modeling phase includes an update of prior studies and associated floodplain mapping to reflect current conditions in the county for approximately 151 miles of detailed study streams and 328 miles of limited detailed or approximate study streams. Hydraulic analysis shall include evaluation of the existing land use condition 2-, 10-, 25-, 50-, 100-, and 500-year frequency events using the latest version of HEC-RAS. All hydraulic analysis will include one-dimensional (1D), steady state modeling. This phase will also generate floodplain mapping, water surface elevation and depth grids for the existing condition 100-year frequency event along limited detail study reaches. Additionally previous mitigation strategies will be re-evaluated using Atlas 14 results. Previous mitigation strategies included structural alternatives (such as detention, channel improvements, and crossing improvements) and non-structural alternatives (such as regulations, property buyouts, and structure elevations) to red
16285	111000112	Hays County	Hays County Drainage Master Plan - Dam Inundation Study	Hays County is seeking funds for the creation and update of inundation maps for up to 10 high hazard dams. This project will include coordination with local stakeholders. This project will include data collection, hydrology, hydraulic analysis and mapping, QA/QC, and documentation/public outreach. The data collection phase will involve collecting data on terrain development, general data, and historical data in order to begin the modeling and planning process. Consultants will perform hydrologic and hydraulic analysis for design storm following TCEQ Guidelines for Dams for up to 10 high hazard dams. H&H analysis will determine if those dams have enough capacity to meet TCEQ standards. A dam breach analysis and inundation mapping will be performed 10 dams using HEC-RAS 2D model and map breach inundation extents. Identify structures, roadways, and critical infrastructure within breach inundation limits and confirm dam hazard classification. Quality Assurance and Control includes a multi-level approach to ensure all project goals are met, critical/technical issues are addressed, and high-quality products are delivered in a timely fashion. The completion of the project will Include a report for H&H analysis and dam breach analysis that provides a thorough explanation of all procedures, assumptions, special considerations, comparisons, checkpoints, independent QA/QC, and inundation results. Dam breach inundation maps will be created and can be utilized by the County, its emergency management staff, and other stakeholders during dam breach emergencies.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16296	041000089	Hunt County	Hunt County Countywide Drainage Study - Phase 2	Hunt County recently completed its Countywide Drainage Study (Phase 1), which was funded through the Flood Infrastructure Fund (TWDB Project #40027, Grant #G1001316). Although the Flood Mitigation Projects (FMP) developed under Phase 1 may bring significant flood reduction benefits in their project areas, it was recognized that Countywide flooding risks are still significant and there is a continued need to evaluate flood mitigation measures for other areas of high flood risk identified in Phase 1. The Hunt Countywide Drainage Study – Phase 2 (FME 041000089) will expand upon the hydrologic and hydraulic (H&H) analyses performed under Phase 1. This FME is intended to continue developing detailed hydrologic and hydraulic (H&H) analyses performed under Phase 1. This FME is intended to continue developing detailed hydrologic and hydraulic (H&H) analyses performed under Phase 1. This FME is intended to continue developing detailed hydrologic and hydraulic (H&H) analyses performed under Phase 1. This FME is intended to continue developing detailed hydrologic and hydraulic (H&H) analyses performed under Phase 1. This FME is intended to continue developing detailed hydrologic and hydraulic (H&H) analyses performed under Phase 1. This FME is intended to continue developing detailed hydrologic and hydraulic (H&H) analyses performed uperform detailed flood mitigation alternative analysis. The study will place special emphasis on areas with a known history of flooding and areas undergoing rapid urban development. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. The hydraulic performace and feasibility of each drainage improvement alternative will be evaluated within the context of "Exhibit C - Technical Guidelines for Regional Flood Planning" (TWDB, 2021). A feasible alternative should result in a quantifiable reduction in flood risk, it must be permitable, constructa
16297	061000248	Huntsville	City of Huntsville Master Drainage Plan	The City of Huntsville is embarking on its first-ever Citywide Master Drainage Plan. The primary objective of this plan is to address existing drainage challenges, propose targeted improvement projects, and establish a strategic approach for funding and construction. This plan will help guide the City to improve resiliency to flood risk for its residents. The scope of work includes the following key components: 1. Data Collection: Compilation of available resources related to stormwater management including previous studies, GIS information, LiDAR, and information included in the regional flood plan. Identification of any gaps, outdated data, or undenttilized resources that may hinder effective planning. 2. Rapid Assessment: Develop a high level assessment of flooding within the City using a 2D hydrologic and hydraulic model for the entire City limits and outlying watersheds. This assessment will quantify potential structural and street flooding within the City to identify flood prone areas to guide project prioritization. Up to 10 priority areas will be identified that will be used in the detailed drainage analysis. 3. Detailed Drainage Assessment: For the identified priority areas, create a detailed 2D hydrologic and hydraulic model of the drainage infrastructure of the project area. This involves identifying specific problem areas, quantifying their impact, and understanding the underlying causes. These models will be validated using available historical information including FEMA repetitive loss information, historical flood risk reduction strategies for each of the priority areas. These attematives will consider both structural and non-structural engineering solutions. Nature based solutions will also be identified as possible. The models will be updated with the solutions to determine the benefits to structures, crossings, roadways, and populations within the City. Projects will be mitigated where necessary to show no impact to downstream structures. Orrigitatis. Project Constraints: Potential constraints

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16298	061000489	Huntsville	Elkins Lake Watershed Drainage Plan	The Elkins Lake watershed is located in the southwest side of the City of Huntsville and is known for repeated flooding during both frequent and large storm events. This concentration of flooding is due to inadequate storm sewer capacity, lack of overland flow paths, nearby development, and potentially the downstream lake. The primary objective of this flood management evaluation is to identify the issues leading to structural flooding within the watershed and to develop flood risk reduction projects to reduce the flooding within the neighborhood. This watershed plan will be included in the next cycle of regional flood planning. The scope of work includes the following key components: 1. Data Collection: Compilation of available resources related to stormwater management including previous studies, GIS information, LiDAR, and information included in the regional flood plan. Identification of any gaps, outdated data, or underutilized resources that may hinder effective planning. This task will include high level survey of infrastructure within the watershed that contributes to structural flooding. Model will lincorporate the latest lidar and information collection in the previous task. The model will be validated using historical storm event information including FEMA repetitive loss information, historical flood records, and information provided by the public. 3. Project Concepts: Using the existing conditions analysis, develop up to six conceptual projects if romulation of up to three flood risk within the neighborhood. Concepts may include upsizing storm sewers, parallel systems, land grading, detention, or improvements to the lake outfall. 4. Flood Risk Reduction Projects: Formulation of up to three flood risk reduction projects based on the conceptual alternatives. Nature based solutions will also be identified as possible. The models will be updated with the solutions to determine the benefits to structures, rossings, roadways, and populations within the watershed as possible. The models will be updated wi
16299	061000490	Huntsville	Spring Lake Watershed Plan	The Spring Lake watershed is located in the southwest side of the City of Huntsville and is known for repeated flooding during both frequent and large storm events. This concentration of flooding is due to inadequate storm sever capacity, lack of overland flow paths, nearby development, and potentially the downstream lake. The primary objective of this flood management evaluation is to identify the issues leading to structural flooding within the watershed and to develop flood risk reduction projects to reduce the flooding within the neighborhood. This watershed plan will help guide the City to improve resiliency for the watershed. Projects identified within the study will be included in the next cycle of regional flood planning. The scope of work includes the following key components: 1. Data Collection: Compilation of available resources related to stormwater management including previous studies, GIS information, LiDAR, and information included in the regional flood plan. Identification of any gaps, outdated data, or underutilized resources that may hinder effective planning. This task will include high level survey of infrastructure within the watershed that contributes to structural flooding. Model will incorporate the latest lidar and information collection in the previous task. The model will be validated using historical storm event information including FEMA repetitive loss information, historical flood records, and information provided by the public. 3. Project Concepts: Using the existing conditions analysis, develop up to six conceptual project atternatives to reduce flood risk reduction of up to three flood risk reduction projects based on the conceptual alternatives. Nature based solutions will also be identified as possible. The models will be updated with the solutions to determine the benefits to structures, crossings, roadways, and populations within the watersheds. Project will be identified including cost estimates, environmental considerations, utility and infrastructure conflicts, and comm

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16300	031000361	Irving	North Delaware Creek Phases 2 & 3	The project is necessary to determine adequate mitigation techniques to remove approximately 96 homes from the 100-year flood hazard risk area due to riverine flooding along Phases 2 and 3 of North Delaware Creek. North Delaware Creek is generally defined as Delaware Creek in Irving, TX upstream of SH-183. North Delaware Creek is ari urban trapezoidal concrete-lined channel between homes and commercial areas with a 2-year level of service throughout its reach from SH-183 to Finley Road where it begins. Currently, the project is in design for Phase 1 improvements that will bring the creek to a 100-year level of service with 2' of freeboard for all subject properties that are adjacent to it. Phase 1 starts at SH-183 and stops at Henry Drive. Similar channel improvements to Phases 2 and 3, upstream of Phase 1, are expected to provide a 100-year level of service and protect approximately 96 homes for the 100-year from structural flooding with 2' of freeboard. The entire watershed is fully-developed so all peak flows are expected to remain similar over the life of the project. Channel modifications along Phases 2 and 3 may require locating and sizing a regional detention pond that reduces flows on the Phase 1 channel. The combination of determining a channel size of the Phase 2 and 3 channel with regional detention will require evaluating several options including pocket detention in the residential neighborhood feeding the channel, underground detention upstream of Finley Road, and/or underground detention at Johnston Elementary School playground area. Alternatively, upsizing the storm drain system along the eastbourd frontage road of SH-183 from 3 -year level of service to a 100-year level of service will also prevent flow from escaping the storm drain and entering the Story Road system. Once these mitigation options are analyzed, it is anticipated that an alternative or combination of alternatives will provide the necessary flood reductions to build the Phase 2 and 3 channel will also need to be performed based o
16314	121000184	Karnes County	Karnes County FEWS Planning	Through this grant application, Karnes County desires to complete a plan to establish a County-wide Flood Early Warning System (FEWS). This project will continue coordination with SARA, incorporated areas, and other agencies that began during the Karnes County Flood Protection Plan to prepare a "Stage 1" FEWS implementation plan that meets the County's goals and budget for flood monitoring, forecasting, and warning systems. The County will establish clear goals and objectives for the system that will guide the selection of system complexity, equipment, and analysis or models in futures stages (i.e., financing, deployment, and management). Key considerations and tasks will include: 1. General Planning 2. Goals and Objectives 3. Communication, Coordination, and Collaboration 4. Gages, Sensors, and Other Equipment 5. Data, Analysis, and Models 6. Existing Resources 7. Vendors and Contractors 8. Other Planning Considerations
16316	031000516	Kaufman County	Kaufman County Countywide Drainage Study - Phase 2	Kaufman County recently completed its Countywide Drainage Study (Phase 1), which was funded through the Flood Infrastructure Fund (TWDB Project #40028, Grant #G1001351). Although the Flood Mitigation Projects (FMP) developed under Phase 1 may bring significant flood reduction benefits in their project areas, it was recognized that Countywide flooding risks are still significant and there is a continued need to evaluate flood mitigation measures for other areas of high flood risk identified in Phase 1. The Kaufman Countywide Drainage Study – Phase 2 (FME 03100516) will expand upon the hydrologic and hydraulic (H&H) analyses performed under Phase 1. This FME is intended to continue developing detailed hydrologic and hydraulic models (1D, 2D, or 1D/2D) to determine existing flood risks along selected streams within the County and perform detailed flood mitigation alternative analysis. The study will place special emphasis on areas with a known history of flooding and areas undergoing rapid urban development. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. The hydraulic performance and feasibility of each drainage improvement alternative will be evaluated within the context of "Exhibit C - Technical Guidelines for Regional Flood Planning" (TWDB, 2021). A feasible alternative should result in a quantifiable reduction in flood risk, it must be permittable, constructable and implementable, and must have no negative impacts on neighboring areas. A comparative assessment of pre- and post-project conditions for the 1% annual chance flood (100-year recurrece interval) will be performed for selected alternatives. Hydraulic reduction to determine compliance with the no negative impacts of the assessment of pre- and post-project conditions for the 1% annual chance flood (100-year recurrece interval) will be performed for selected alternatives. Hydraulic results will be

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16319	111000173	Kendall County	Kendall County Drainage Master Plan	Kendall County is a fast-growing community with major urban centers being Boerne and Comfort. Comfort and Boerne have experienced extensive flood losses over the years and this project will address flood losses to 15 RL properties, 3 SRL properties, and a total of 209 properties that have experienced flood loss claims totaling \$3.2 Million in losses. This project will focus on the developed using Attas 14 rainfall statistics and will be calibrated to historic flood events. This project will result in a better identification of flood risked within the limits of this project. Field survey data collection will be provided for approximately 617 existing culvert and bridge crossings of the various tributaries to be studied. Survey will be collected to FEMA data capture standards and will be used as input into the various hydraulic models developed. The best available LiDAR data will be used to help create the hydrologic and hydrauce models as well. Watersheds will be delineated to 0.1 to 2.0 sq. miles in size, and hydraulic models will be either 1D unsteady or 10/2D unsteady models, to better replicate flood storage in the watersheds. This project will include detailed H&H model and master planning for all or a portion of the following HUC 12 watersheds: 121002010303, 121002010301, 121002030101, 121002010304, 121002
16320	111000122	Kerr County	Kerr County Center Point Storm Drainage Infrastructure	Kerr County (population 53,741) requests \$125,000 for the Center Point Storm Drainage Infrastructure Planning Flood Management Evaluation (FME) project. The project's area of concern covers 671 acres of the Guadalupe River watershed located at the following: • SH 27 and Willow Bend Drive Intersection that includes a 336-acres of watershed, • SH 27 and Coldwell Lane North Intersection that includes a 313-acres of watershed, and • SH 27 and Sutherland Lane Intersection that includes a 22-acres of watershed. The overall watershed for this project area extends from north of SH 27, utilimately draining southward to the Guadalupe River. Property owners within the area experiencing increased runoff due to recent changes. Storm drainage infrastructure planning is essential to reduce flood risk and safeguard the community against the increasing threat of floods. This study will leverage previously developed analysis to assess existing condition risks and evaluate mitigation strategies to reduce flooding in this area. The study will ultimately define a Flood Mitigation Project (FMP) that is compliant with regional flood planning efforts. The proposed project will result in a clearly defined Flood Mitigation Project (FMP) and will be completed following the proposed scope of work: General Management This will include both internal project management and coordination with Kerr County and other participating stakeholders. Data Collection - This will include a variety of data collection tasks (terrain development, general data collection, collection of historical information, field survey, and reconnaissance) aimed at gathering information relevant to the modeling and planning process. Hydrology and Hydraulics - This will include ellecting and leveraging available flood risk models to identify existing conditions of flood exposure of structures and emergency access. These models will be updated with the best available science and data (topography, land conditions, NOAA Atlas 14 rainfall, etc.). Conceptual Flood Mitigation An

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16321	111000123	Kerr County	Kerr County Dam Integrity Study	Ker County (population 53,741) requests \$500,000 to complete a Dam Integrity Study covering three (3) dams within the County-Ingram Lake Dam, Center Point Lake Dam, and Kerrville Lake Dam (Flat Rock Dam). The Texas Commission on Environmental Quality (TCEQ) Inspection Reports indicate the following concerns: Ingram Lake Dam-April 1, 2024, TCEQ Inspection Report sumarizes, "The primary issues of concern included: spaling, cracking, and open joints (most needing to be sealed) throughout the dam; potentially clogged underdrain outlets; vegetated growth within the downstream groins; ended areas within the service spillway discharge chute; and flowing seepage observed along the downstream 0e. "The report further suggests that if the upstream slope is exposed during a forought in the future, it should be evaluated by a Licensed Texas Professional Engineer (PE). Once the spillway is not engaged, the eroded areas need to be evaluated by a PE, and a plan must be developed to repair the areas to prevent further damage to the structure. If the valve has not been operated for a significant period of time and/or is not operational, the owner should not try to open the valve. The PE should be consulted to devise a plan to test it. If needed, consideration should be given to replacing the valve to provide a means to lower the lake If an issue develops during an elevate lake level. Additionally, a written 0&M plan is required to be developed. In response to these inspections, Kerr County seeks to conduct a study at each dam that will assessment swill determine what work would need to be performed to create operations valves, fill violds, and address TCEQ concerns. The study will ultimately define a Flood Miligation Project (FMP) for each dam (3) this is compliant with regional tood planning process. This will also include ordication, and reconnaissone (3 Dams) Conduct voids analysis of each dam (3) using ground-penetrating radar to quantify the volume of existing voids. This will also include each dam (3). This will also inclu
16322	111000179	Kerr County	Kerr County Drainage Master Plan	Kerr County (population 53,741) requests \$1,000,000 in funding to develop the first Kerr County Drainage Master Plan through a comprehensive evaluation of overall flooding impacts in the portions of the County that drain to the Guadalupe River. This study will identify flood exposure of structures, dams, and emergency access to assess and evaluate flood safety improvements. Leveraging the best available existing flood risk data, the County will prioritize master planning in high-risk areas in need of flood risk reduction projects. The Drainage Master Plan will provide clearly defined Flood Mitigation Projects (FMP)s compliant with regional flood planning efforts and will be completed using the following scope: General Management - This will include internal project management and coordination with Kerr County and other participating stakeholders. Data Collection - This will include a variety of data collection tasks (terrain development, general data collection, collection of historical information, field survey, and reconnaissance) aimed at gathering information relevant to the modeling and planning process. Hydrology and Hydraulics - Collect and leverage the best available flood risk data, such as the 2016 Upper Guadalupe 1-Dimensional Base Level Engineering and effective FEMA models to identify flood exposure of structures, dams, and emergency access. Using the exposure data, identify high-risk hot spots. This will also include a nupdate and/or develop hydrologic and hydraulic models using the best available science and data (topography, land conditions, NOAA Attas 14 rainfall, etc.) in areas where flood risk reduction will be evaluated. Flood Mitigation Analysis - Evaluate mitigation strategies such as structural alternatives (detention, channel improvements, and crossing improvements) and non-structural alternatives (regulations, property buyouts, and structure elevations) to reduce flood risk in high-priority areas. This will also include identifying flood mitigation projects (FMPs), including all documen

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16324	131000191	Kingsville	Carriage Park 2 Subdivision – Location 15	This project is in the southern portion of the City of Kingsville, Texas. The project proposes to study the Carriage Park Subdivisions are located at E. Ailsie Avenue and Shelly Street south to Palm Drive, going east towards Sherwood Avenue and north back to E. Ailsie Avenue. The drainage basin is approximately 132 acres. Its boundary is Micheal Street, Shelley Street, General Cavazos Blvd, and S. HWY 77 Bypass. The total property value for this location is over \$42,000,000.00. There are approximately 170 homes, an early learning center and several economic thriving businesses that can be impacted. The neighborhood is located east of HM King Early College High School and experiences a 25-year flood event. The Carriage Park subdivision is situated in a low- lying area creating a natural basin effect as such the area often experiences water accumulation impacting drainage and flow patterns. The proposed drainage improvements would relieve drainage issues within the subdivision and along General Cavazos Blvd. The study would identify depressions, hydrological understanding, environmental impact, and infrastructure planning. The city adopted a Flood Damage Prevention Ordinance in 2008 to meet NFIP standards by FEMA. The city also adopted a Drainage Ordinance in 2007, and these improvements would meet the City's current ordinance. Carriage Park subdivision has experienced flooding due to heavy rainfall events. The existing storm water conveying system is under capacity as it services Carriage Park subdivision units 1 & 2, and Fulton Estates unit 3. The study will also include capacity to service the underdeveloped areas to the north, east and south which is approximately 58 acres. US Highway 77 is approximately 1,500 feet east of Carriage Park subdivision is now Interstate 69 and will introduce growth south to the city for the underdeveloped areas. Many residents along Palm Ave have experienced flooding and state the flood waters would cover their driveways, lawns and prevent them from being able to leave their home
16325	131000188	Kingsville	City of Kingsville 2018 Drainage Master Plan– Location 2	The project is in the central part of the City of Kingsville, Texas. There are approximately 51 homes in the area and in a low to moderate income range. The total property value for this location is approximately \$3,700,000.00. The area is located south of Harvey Elementary School and the City's pool and skatepark. The drainage basin area is approximately 2.300 feet south of the creek. The creek flows into Baffin Bay. The current drainage system does not meet a 2-year storm event. The location has drainage issues which include flooding along 19th Street and the intersections with Huisache Ave., Fordyce Ave., Johnston Ave., roads causing them to be impassable, trouble entering driveway, there are no inlets or storm sewers in the area and have undersized facilities downstream. 19th St. is a commonly utilized residential street because of its access to Harvey Elementary. The proposed drainage improvements would relieve drainage issues along 19th St. from E. Lot Ave. to Maple St. Other streets affected are intersections with Huisache Ave., Fordyce Ave. and Johnston Ave. The drainage improvements include storm sewer drainage system and new inlets. Approximately 75% of the streets will flood in a 10-year storm event based on an independent storm modeling analysis provided by Kimley-Horn. A drainage study was conducted by Kimley-Horn in 2018 to improve drainage for the City of Kingsville, Texas. In the consultant's analysis and preliminary design, it notes that channel excavation would need to be implemented as well as 2,600 linear feet of storm water conveying system and 12 curb inlets. Additional downstream improvements would increase the storm werent and relieve the existing drainage issues during a heavy storm event. This effort would reevaluate the 2018 drainage study, incorporating more of the downstream portion experiencing issues along 19th St., and update the estimated costs for 2024. The City adopted a Flood Damage Prevention Ordinance in 2008 to meet the NFIP standards by FEMA. The City also adopted a Drain
16326	131000189	Kingsville	City of Kingsville 2018 Drainage Master Plan– Location 5	The project is in the central part of the City of Kingsville. There are approximately 70 homes in the area and in a low to moderate income range. The total property value for this location is approximately \$3,700,000.00. The area is located a few blocks north of Perez Elementary and King High School. The drainage basin area is approximately 1,900 feet northeast of the Caesar Place subdivision. The current drainage system does not meet a 2-year storm event. The location has drainage issues which include flooding all along W. Circle Drive, E. Miller Ave. and Lawndale Drive, issues with flooding along the streets, high water in roads and front yards, the only inlet in the subject area has inadequate capacity and cannot handle the design flow. E. Miller Ave. allows access to 14th St (US 7 Business) that is classified as a Principle Arterial Street AV. Circle Drive allows access to E. Senator Carlos Truan Boulevard (FM 425) that is classified as a Principle Arterial Street and connects to US Hwy 7 Bypass. The proposed drainage improvement would relive drainage issues within the subdivision and along W. Circle Drive, E. Miller Avenue and Lawndale Drive. Drainage improvements would include additional inlets, storm sever drainage system, and culverts throughout the area, as well as improvements to the downstream culverts to convey additional flow. 90% of the streets will flood in a 10-year storm event based on an independent storm water modeling analysis provided by Kimley-Horn. A drainage study was conducted by Kimley-Horn in 2018 to improve drainage for the City of Kingsville, Texas. In the consultant's analysis and preliminary design, it notes that drainage for the proposed project requires 4, 100 linear feet of storm water conveying system and additional 1,600 linear feet of storm water drainage system as part of the downstream improvements would meet a 10-year storm event and relieve the existing drainage improvements would meet the City's current ordinance. Development thas progressed since the study was done in

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16327	131000190	Kingsville	City of Kingsville 2018 Drainage Master Plan- Location 9	The project is in the north side of the City of Kingsville. There are approximately 20 homes in the area and in a low to moderate income range. The total property value for this location is over \$2,300,000.00. The area is located north of John S. Gillett Intermediate School. The drainage basin area is approximately 16.00 acres. The area drains into Tranquitas Creek and is located approximately 3600 feet north of the creek. The creek flows into Baffin Bay. The current drainage does not meet a 2-year storm event. The location has drainage issues which include flooding along Corral Avenue (FM 1898) and 17th Street, flooding along the streets and standing water, lack of storm sever in 17th St. and other areas to the south, the inlets and storm sever are insufficient, and the street does not have the capacity for design storm. The City's Public Works Department is located on the Northeast side of the intersection of Corral Avenue (FM 1898) and 17th Street. Orrai Avenue is an arterial road and used to access US Hwy 7 Bypass. The proposed drainage improvements would relieve drainage issues along Corral Avenue (FM 1898) and 17th Street. Drainage improvements would include offsite channel improvements, storm sever drainage system and additional inlets. Approximately 100% of the streets will flood in a 10-year storm event based on an independent storm water modeling analysis provided by Kimley-Horn. Adrainage study was conducted by Kimley-Horn in 2018 to improve drainage for the City of Kingsville, Texas. In the consultant's analysis and preliminary design, it notes that drainage for the proposed project requires 8,000 linear feet of storm water conveying system, 15 curb inlets and 9 curb inlet extensions. These improvements were designed to meet a 10-year storm event and relieve the existing drainage issues during a heavy storm event. The Composed proines and 9 curb inlet area store year and preliminary design, it notes that drainage for the proposed project requires 8,000 linear feet of storm water conveying system, 15
16328	131000111	Kingsville	FM 1356 Channel Improvements – Location 16	This project is in the southern portion of the City of Kingsville, Texas. The project proposes channel improvements beginning on the north side of FM 1356 (E. General Cavazos Blvd) and Brahma Blvd going east passed State Highway 77 to Golf Course Road. The channel flows towards Naval Air Station Kingsville and into Tranquitas Creek. The current drainage system is under capacity from previous development. The area has a major grocery/retail business, power substation, high school, and the only hospital in the city. The hospital's only access is off General Cavazos Blvd. The total property value for this location is over \$54,000,000.00. The drainage basin area is approximately 168 acres, The General Cavazos Blvd open channel flow towards Tranquitas Creek, into San Fernando Creek, finally into Baffin Bay. Currently approximately 260 ft. of the channel lis concrete lined, the study would determine if the entire portion of the channel would benefit from concrete lining ensuring water flows smoothly, preventing erosion and minimizing damage. The channel would be evaluated for its capacity, preventing flooding, and maintaining proper water levels. The purpose of the channel study is to evaluate and analyze the effectiveness, functionality, and impact, specifically capacity and flow for the area. The study intends to address hydrological behavior, erosion control and sediment transport, water quality, and infrastructure maintenance and efficiency. The proposed improvements would comply with a 50-year storm event for open channels and 10-year storm event for street gutters, inlets, pipes, and related appurtenances. The City adopted a Flood Damage Prevention Ordinance in 2008 to meet National Flood Insurance Program standards by Federal Emergency Management Agency. The city also adopted a Drainage Ordinance in 2007, and these improvements would meet the City's current ordinance. Additionally, the existing open channel ditch along Shelley Drive is under capazity and flows into the General Cavazos Blvd open channel. In the
16329	131000112	Kingsville	Paulson Falls Subdivision – Location 17	The project is located in the southern part of Kingsville, Texas. The project proposes to study the Paulson Falls Subdivision detention pond from FM 1356 at Paulson Falls Drive south to Margaret Lane, going north back to FM 1356. There are approximately 120 homes in the subdivision that are impacted by the pond. The total property value for this location is approximately \$22,000,000.00. While the detention pond is located on private property, the city recognizes the need for increased capacity due to over low of the pond into the subdivision. The city has installed a valve in the pond that empties north into the FM 1356 ditch when full. This improvement has helped, but it is not enough to solve the problem of water overflowing south from the detention pond. The detention pond is approximately 14 deep, 215 ft wide and 700 ft long. The pond drains into an open channel along General Cavazos Blvd, that flows into Tranquitas Creek, then San Fernando Creek, finally into Baffin Bay. The purpose of the study is to determine flood risk, including risk assessment, understanding causes, improving design and maintenance, mitigation planning, and resilience building. By addressing these issues comprehensively, the city can better manage flood risks and enhance overall resilience. The City adopted a Flood Damage Prevention Ordinance in 2008 to meet the National flood Insurance Program standards by the Federal Emergency Management Agency. The City also adopted a Drainage Ordinance in 2007, and these improvements would meet the City's current ordinance. A possible solution is to lower the water surface elevation by dredging the pond. Several storm water drainage conveying systems flow into the pond and are typically submerged underwater. Two out fall 36" diameter pipes have a design invert of 46.00 ft and out fall 26" diameter pipe has a design invert of 47.00 ft. The drainage structure is to maintain the water surface level of the pond. This structure has an invert of 46.00 ft which is operated manualy to release water with a
16330	121000113	La Coste	New Drainage Analysis to Update/Revise Flood Maps	Project proposed to perform a new drainage analysis for the community to update/revise Flood Maps to better identify areas subject to flood hazards. The FEMA study was completed in September 1977 with outdated hydrologic / hydraulic models. New detailed hydrologic and hydraulic models for La Coste are available from the San Antonio River Authority. Funding will be used to review SARA Best Available Models (BAM) and apply for LOMA to update community flood maps. Funding may also be used to develop preliminary mitigation projects to reduce identified flood hazards or flood prone areas. Preliminary mitigation projects could be added to the Regional Flood Plan for future FIF eligibility.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16331	101000082	Lago Vista	Lago Vista Drainage Master Plan	The City of Lago Vista wishes to conduct a City Wide Drainage Study to identify flooding problems and analyze potential solutions to these problems. This study will include the following scope items. 1. Create a new one dimensional hydraulic models for 17.9 stream miles (streams within City limits and in Zone A and streams within City limits with no flood hazard area, see Figure 1), 2. map flood risks on 28.2 stream miles (all the streams in the City except for ones within Lake Travis) 3. map flood risks for low lying areas not on streams (the City of area within the two watersheds, 15.3 square miles) 4. develop five capital improvement projects to mitigate flood risk and present them with enough information to make them eligible for TWDB funding. This study will be conducted with close cooperation of the Texas Water Development Board in accordance with TWDB guidelines and utilize the best and most recent data.
16332	031000135	Lancaster	Ten Mile Creek Channel Expansion Study	Study to improve and increase the capacity of storm water system by expanding the Ten Mile Creek downstream channel to prevent flooding in flood prone areas to include structural stormwater management projects.
16333	061000022	League City	Dickinson Bayou Flood Mitigation Plan – Alternative 2	This FME project aims to further refine the flood reduction alternatives identified as the Dickinson Bayou Alternative 2 option in the Lower Clear Creek and Dickinson Bayou Flood Mitigation Plan. The recommendation of that study for reducing flood risk on Dickinson Bayou consists of several detention basins and a diversion channel. Further study and refinement of the location, size, and performance of the detention basins is needed to balance cost and benefit and advance the study to identified projects through updated hydrologic and hydraulic modeling. The project will analyze the performance of multiple potential projects including: 1. McFarland Road Detention Basin 2. West Cemetery Road Detention Basin 3. Hilton Lane Detention Basin 4. Magnolia Bayou and Borden Gully Detention Basins 5. Desal Drive – 11,000 cfs Channel Diversion Based on the results of the analysis a plan for implementing the projects will be developed to focus on cost effective flood risk reduction. The project will utilize the best and most recently available data for terrain information, rainfall, and any other relevant datasets to ensure no adverse impacts are generated as part of the proposed flood risk reduction projects.
16334	121000018	Leon Valley	Hueber Creek Drainage Improvements Project	The Huebner Creek Drainage Improvement Project is a vital initiative aimed at enhancing and improving the drainage system, along approximately 0.49 stream miles of Huebner Creek, situated within the City of Leon Valley, Bexar County. The location boundaries start just downstream of Cherryleaf Drive and extend approximately 2,600 feet downstream to SH 16 (Bandera Road). This project will perform engineer services to analyze and addresses the critical need for improved flood management and erosion control along the creek. The proposed project study will analyze and address the critical need for improved flood management and erosion control along the creek. The proposed project study will analyze and address the critical need for improved flood management and erosion control along the creek. The proposed project study will analyze and address the critical need for improved flood management and erosion control along the creek. The proposed project study will analyze and address the critical need for improved flood management and erosion control along the creek. The proposed project study will analyze and address the critical need for improved flood management and erosion control along the creek. Detailed surveying, hydraulic analysis, and engineering of the construction of an earthen channel with a trapezoidal section which will serve as an alternate flow path for floodwaters and reducing the risk of inundation of the surrounding areas. The channel will feature a variable bottom with ranging from 100 to 150 feet, which is expected to optimize efficiency and accommodate varying flow volumes. The Huebner Creek Drainage Improvement Project study represents a proactive and essential investment in the resilience and sustainability of the local community. The proposed project aims to mitigate flood risks and promote the long-term flood resilience in the region.
16335	061000496	Liberty County WCID 1	Feasibility Study - Convert Enderli Reservoir into a Detention Pond	This FME serves as a study to investigate whether the existing Enderli Reservoir can be modified or improved to provide detention mitigation. The objective of the study is to determine the feasibility and effectiveness of detention improvements at Enderli Reservoir and recommend alternatives that will reduce flood risk to properties served by Coffee Slew and Zarsky-Nemy Ditch. Properties in this vicinity are currently mapped in both the effective 100-year FEMA floodplain and floodway. Recent and ongoing study efforts, including the Chambers County FIF Study which overlaps this area, will be leveraged as that will be considered best available data for this area. Additional detail is likely necessary to incorporate into the H&H modeling to better support the development and modeling of potential projects. H&H Modeling Scope generally includes: 1. Project Management, Coordination, Outreach 2. Data Collection, Survey, Topography, Field Reconnaissance 3. Hydrologic Analysis 4. Hydraulic Analysis 5. Flood Mitigation Alternatives and Recommendations 6. Technical Report & Final Deliverables The study will utilize the best and most recently available data to ensure no adverse impacts are generated as part of the proposed flood risk reduction projects.
16336	061000495	Liberty County WCID 1	Preliminary Engineering Design of Detention Pond & Conveyance System for Buddy Grass and Railroad Ditches	This FME serves as a study to identify detention and conveyance improvements to the Buddy Grass and Railroad Ditches. The objective of the study is to determine the feasibility of detention and conveyance improvements along Buddy Grass and recommend alternatives that will reduce flood risk to properties within the Liberty County WCID#l jurisdiction, in particular properties along CR 605 and CR 613. Recent and ongoing study efforts, including the Chambers County FIF Study which overlaps this area, will be leveraged as that will be considered best available data for this area. Additional detail is likely necessary to incorporate into the H&H modeling to better support the development and modeling of potential projects. H&H Modeling Scope generally includes: 1. Project Management, Coordination, Outreach 2. Data Collection, Survey, Topography, Field Reconnaissance 3. Hydrologic Analysis 4. Hydraulic Analysis 5. Flood Mitigation Alternatives and Recommendations 6. Technical Report & Final Deliverables The study will utilize the best and most recently available data to ensure no adverse impacts are generated as part of the proposed flood risk reduction projects.
16337	061000498	Liberty County WCID 1	Preliminary Engineering Design of Detention Pond at Gier Road & Cedar Bayou	This FME serves as a study to identify detention and conveyance improvements along the Gier Road ditch near Cedar Bayou. The objective of the study is to determine the feasibility of detention and conveyance improvements along Gier Rd Ditch and recommend alternatives that will reduce flood risk to properties within the liberty County WCID#I jurisdiction as well as roadway inundation. Recent and ongoing study efforts, including the Chambers County FIF Study which overlaps this area, will be leveraged as that will be considered best available data for this area. Additional detail is likely necessary to incorporate into the H&H modeling to better support the development and modeling of potential projects. H&H Modeling Scope generally includes: 1. Project Management, Coordination, Outreach 2. Data Collection, Survey, Topography, Field Reconnaissance 3. Hydrologic Analysis 4. Hydraulic Analysis 5. Flood Mitigation Alternatives and Recommendations 6. Technical Report & Final Deliverables The study will utilize the best and most recently available data to ensure no adverse impacts are generated as part of the proposed flood risk reduction projects.
16338	061000499	Liberty County WCID 1	Preliminary Engineering Design of Detention Pond at Hatcherville & Cedar Bayou Farm Ditches	This FME serves as a study to identify detention and conveyance improvements along the Hatcherville and Cedar Bayou Farms Ditches. The objective of the study is to determine the feasibility of detention and conveyance improvements along these ditch systems and recommend alternatives that will reduce flood risk to properties within the Liberty County WCID#I jurisdiction, in particular properties along the Hatcherville Rd corridor. Recent and ongoing study efforts, including the Chambers County FIF Study which overlaps this area, will be leveraged as that will be considered best available data for this area. Additional detail is likely necessary to incorporate into the H&H modeling to better support the development and modeling of potential projects. H&H Modeling Scope generally includes: 1. Project Management, Coordination, Outreach 2. Data Collection, Survey, Topography, Field Reconnaissance 3. Hydrologic Analysis 4. Hydraulic Analysis 5. Flood Mitigation Alternatives and Recommendations 6. Technical Report & Final Deliverables The study will utilize the best and most recently available data to ensure no adverse impacts are generated as part of the proposed flood risk reduction projects.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16339	061000497	Liberty County WCID 1	Preliminary Engineering Design of Detention Pond at intersection of HWY90 & Railroad near Cedar Bayou	This FME serves as a study to investigate potential improvements can be made to reduce flood risk northeast of the HWY90 crossing as Cedar Bayou. The objective of the study is to determine the feasibility and effectiveness of improvements, including detention, near Cedar Bayou and HWY90 and recommend alternatives that will reduce flood risk to properties along CR603 and CR604. Recent and ongoing study efforts, including the Chambers County FIF Study which overlaps this area, will be leveraged as that will be considered best available data for this area. Additional detail is likely necessary to incorporate into the H&H modeling to better support the development and modeling of potential projects. H&H Modeling Scope generally includes: 1. Project Management, Coordination, Outreach 2. Data Collection, Survey, Topography, Field Reconnaissance 3. Hydrologic Analysis (only minimal updates anticipated) 4. Hydraulic Analysis 5. Flood Mitigation Alternatives and Recommendations 6. Technical Report & Final Deliverables The study will utilize the best and most recently available data to ensure no adverse impacts are generated as part of the proposed flood risk reduction projects.
16342	041000099	Longview	High Street Underpass Flooding Mitigation	Located in the City of Longview, North High Street passes underneath Union Pacific Railroad tracks running east-west across the City. The existing stormwater network, appears to be undersized and does not efficiently drain stormwater runoff during major rain events based on existing conditions modeling results. Historical flooding has been noted in this underpass, which quickly becomes impassable during substantial rainfall events. Several news articles regarding the flooding in the underpasse at 8 High/Cotton and 5 Green/Nelson in Longview ereal news-journal.com • Officials responding to numerous areas around Longview due to high water cbs19.tv • Traffic Alert: Underpasses at 8 High/Cotton and 5 Green/Nelson in Longview reopened after flooding (kttv.com) • Rain causing flooding issues in parts of Longview (kttv.com). The underpass has a 18-inch storm sewer draining the areas which appear to be undersized compared to the drainage area coming into the underpass where the runoff is oming from a very urbanized area in the heart of Longview. The flooding impacts emergency traffic during storm events from the Central Fire Station and Police Department resulting in a delayed response time. The current design of the stormwater systems provides minimal drainage during heavier storm events, creating deep areas of ponding that are impassible by cars during the 5-year event and produce slow drain times during the 100-year event yielding impassible roads for long durations. Mitigation Messures Evaluated - A 2D ICM 2023.2.0 model was created of the drainage area tor this portion of Longview were used to create the models, which were the main sources for locating the inlets, stormwater lines, and sizes. However, there were gaps in the shapefiles and Google Street View were used to create the models, which were the main sources to 16-locating the elevations of the enterpass while depths of inundation shown starting in the 5-year event, the proposed condition stormwater design folue design in cludeed tow insites connected
16345	071000118	Lubbock	John Montford Dam Evaluation	John Montford Dam Evaluation study will include the assessment of the intake tower, bridge, the dam and appurtenant structures in addition to the evaluation of previously observed seepage near the left abutment and the downstream too of the dam. The seepage assessment could include steps to capture, quantify, and monitor the seepage. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the assessment. Per Texas Administrative Code (Title 30 chapter 299, dams and reservoirs), John Montford Dam falls under the Texas Commission on environmental Quality's (TCEQ) jurisdiction. Hence, the assessment will be performed using the latest version of TCEQ's Guidelines for Operation and Maintenance of Dams in Texas. The evaluation of the dam and appurtenant structures will be based on visual observations, review of previous studies, and other available data.
16346	071000178	Lubbock	Lubbock County Floodplain Open Space Program	Introduction - The City of Lubbock continues to experience robust commercial and residential growth to the south and west. These new developments are occurring beyond the limits of the current drainage studies. The City has invested heavily over the past 30 years to retrofit portions of the City where development occurred before there were detailed studies, flood risk data and before drainage criteria were adopted. The City would like to study these areas before there is significant development, in an effort to preserve sufficient floodplain to prevent the need for a future drainage system retrofit project. Proposed Project Area - The Lubbock County Floodplain Open Space Program will include the development of new Hydrologic and Hydraulic (H&H) models, and/or enhancements to existing models, to define existing and future flood risk countywide and evaluate potential drainage improvement alternatives to mitigate flood risk. The Program may include playa, riverine and storm drain system analyses and will place special emphasis on areas with a known history of flooding. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. Scope of Project - The project includes a study of the enwly developing project area to establish existing conditions, project and future conditions, and to identify open spaces adjacent to floodplain areas needed for acquisition to protect floodplains in their natural state. All modeling will be completed using the best and most recent available data. Public Outreach - Throughout the improvement proces, the City of Lubbock will host public meetings to solicit input. Additional outreach in the form of social media postings and an information page on the City website will also be created to spotlight project milestones and provide updates.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16347	111000037	Luting	City of Luling Stormwater Collection System Replacement	Due to the City of Luting's drainage system having insufficient capacity to adequately manage heavy storm events, the City's existing drainage system experiences heavy seasonal flooding affecting residents living within the corporate limits of the City. A preliminary analysis conducted by the City Engineer indicates the target project area has the potential to be hazardous during storm events with magnitudes of 10-years and greater. A detailed hydrologic and hydraulic study and construction activities listed below are needed to alleviate future city-wide flooding events and reduce flood risks within the City of Luling Stormwater Collection System Replacement The proposed project will complete a flood study and provide a two-dimensional (2D) hydrologic and hydraulic model of the affected drainage basin within the San Marcos River Basin watershed. Additionally, the study will account for existing drainage conditions and justify recommended proposed drainage system improvements for the City's existing drainage system. Recommendations and proposed construction activities will be based on the drainage system's performance during critical storm frequencies up to the 500-year storm using the best available data.
16348	041000028	Marshall	Marshall Drainage Master Plan	The goals of the Drainage Master Plan are to inventory the drainage network in a geodatabase for better operation and maintenance purposes, perform survey and data collection on infrastructure, perform H&H modeling to identify and evaluate current problematic flooding areas, propose solutions to those problems, and outline a future Capital Improvement Program (CIP) for stormwater infrastructure. This effort also includes updating the City's Drainage Utility fee to support Operation and Maintenance activities for stormwater infrastructure and also build a fund to support the implementation of drainage capital improvements over time. In addition to the requested TWDB funding, Texas General Land Office (GLO) funding is being pursued through its Resilient Communities Program (RCP) to fund specific pieces of the Drainage Master Plan including the development of drainage criteria and updating of flood-related ordinances and policies. The City's last drainage plan was completed in 1974; thus, the City is in critical need to evaluate its current drainage infrastructure, identify ownership of infrastructure and open channels, and identify areas where future projects and improvements need to be made for improved drainage across the City. In addition to this drainage master plan being needed due to the last one being 50 years ago, US 59 is a major transportation corridor in the area and also serves as a hurricane evacuation route for motorists travelling from coastal areas. US 59 has several known spots where flooding occurs which could impede motorists in the event of an emergency. This study aims to not only identify the infrastructure throughout the City, but evaluate its level of service to determine potential instances of deficiencies for future improvement. In addition to identifying locations where flooding may occur, the project will determine the severity of the flooding utilizing data from the Regional Flood Plan for roadways, structures, and critical facilities. Proposed solutions are anticipated to be develope
16349	151000096	Maverick County	Maverick County Watershed Planning Project	Maverick County's landscape and communities have been periodically ravaged by floods throughout its history, with significant events recorded in the years 1904, 1917, 1922, 1932, and 1954. Most notably, in June 2013, the county endured one of its worst flooding events when over 15 inches of rain cascaded down in a single day. Elm Creek and the Rio Grande swelled beyond their banks, resulting in widespread damage and the deployment of the mergency services for rescue operations. Highway 277 North was rendered impassable, and subtantial property damage was reported. These historical events underscore the region's recurring battle with such disasters. Present concerns pivot not just on the immediate impact, but also on future threats, particularly the risk of industrial contamination exacerbated by frequent flooding. The county's ongoing response includes bolstering infrastructure and scrutinizing the environmental implications of industris hours. The devastation led to highway closures and the evacuation of more than 1 00 families, many of whom had only recently rebuilt their homes. This incident interrupted local transport systems and prompted a reevaluation of emergency service locations and the environmental hazards posed by industrial activities nearby. Continuing this pattern, heavy storms in October 2015 once again put the county on high alert. Approximately 60 water rescues were executed by the Sheriff's Office as flooding shuttered schools in Eagle Pass and compelled residents to seek refuge on higher ground. In the flood's week, community members faced the daunting task of cleaning up the muck-laden streets, with efforts stretching into the following days. Remarkably, there were no reported injuries. This series of floods not only highlights the physical damage but also reflects the resilience and solidarity of Maverick County series to seek refuge on lise of streams in the County in the proposed study seeks to understand both regional and local flooding issues. The study will identify flood exposure od

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16353	091000142	Midland County	I-20_Playa_to_Pit	Midland County received a category 1 FIF grant from TWDB, which was used to prepare a future land use ICPR 2d model of two watersheds in Midland and Ector Counties. The project also identified major flooding trouble spots and potential solutions. The FIF grant model is based on the latest LIDAR available through TNRIS and is considered the best and most recent data for design. This grant application follows up on one of the proposed solutions, the FIF grant model is based on the latest LIDAR available through TNRIS and is considered the best and most recent data for design. This grant application follows up on one of the proposed solutions, the FIF Faultee Outful. This is referred to as 12.0 Playa to, Phin the regional flood plan. The flooding provides are of the proposed solutions, the FIF solutest. The North sa there is no outful structure. A potential solution for the upstream portion of the flooding area was are if Pir project, as shown below. It consists of providing gravity outfet floods numerous structures, using storm drains and an abandoned caliche pit. It will not eliminate flooding, but it will greatly decrease the duration. 48° and 36° storm drains were modeled in the FIF study. The image below is from the FIF study report. TxDOT has already added a 48° culvent at a 6-foot depth to plans for 1-20 reconstruction at the natural draw location (upstream end of Phase 1 Channel, boxe, and eventually into a non-overflow playa located southeast of the problem area (see components exhibit for full scope). The study area boundary includes all the area that drains into the OIME playa or the study boundary. The conceptual route shown on the components map was selected to cross the least number of all and gas pipelines, which are numerous in the area, to avoid existing buildings, and to follow a feasible gravity route. This project will neclude SUGMAP and SUGMA
16354	151000200	Mission	MI13a1 & MI13a2 Spikes & Jupiter	The purpose of this project is to reduce flooding and the level and duration of flood waters in flood-prone areas of the City of Mission. The Mission City Purchasing Director and its Finance Director will supervise the competitive bidding and contracting process for the completion of this project. Designs expected to be completed and adopted will involve drainage systems improvement projects for Spikes/Jupiter, which have both been designated as priorities by the City of Mission Master Drainage Plan. The Spikes/Jupiter project construction will include new pipe additions and pipe upsizing and construction including a storm sewer upgrade, a storm sewer extension, and two proposed detention basins. This includes 7,042 ft of storm sewer upgrades and 2,345 ft of storm sewer extensions. This will include pipe additions on South Mayberry St, Sonora St, East 1st St, and Matamoros St, as well as pipe upsizing along South Highland Park Ave and along Luther Lane. These improvements are expected to increase storm and wastewater drainage during and after adverse weather events and reduce flooding in the affected areas. This reduction will help to mitigate economic and infrastructural damage, as well as risks to public health and safety as a result of flooding and disease related to wastewater, including that which has been polluted.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16356	081001298	Nolanville	Nolanville Drainage Master Plan	The City of Nolanville is located in Central Texas just outside the Fort Hood boundary. This community is part of the greater Killeen area and has continued to see strong growth trends of the past 20 years with numerous residential subdivisions being build. Nolanville has experienced past flood losses, including the unfortunate death of an 11-year-old that was swept into a stormdrain during the 2015 flood (see link to the news story: 11-year-old swept into storm drain in Nolanville Weather kdhnews.com). This project will focus on the development of a City Stormwater Master Plan. This effort will include revised open channel H&H modeling (by building off past models developed under the 2019 FPP study) as well as a street level rain-on-grid analysis. The updates to the open channel H&H modeling will include revisions to land-use, use of Atlas 14 rainfall data, collection of field survey data, and use of the best available LiDAR topgaraphic information. All of these changes are needed to the previously studied streams. In addition to these previously studied streams, there will be studies of tributaries that have yet to be modeled, but are within recently developed areas. The City would like to submit these final models to FEMA at some point the future (but not via the funding under this grant). In addition, this open channel will result in both riverine macro level and street/stormsever micro level flood risk using InfoWorks ICM 2D or XPSWMM 2D rain-on-grid analyses of the main urbanized areas of the City. This combined effort will use structural and non-structural recommendations. Water quality will be a component of any flood reduction recommendation to help stay in compliance with the recommendations of the Nolan Creek Watershed Protection Plan (completed in 2019). All modeling will utilize the best available LiDAR data and Atlas 14 rainfall statistics. The rain-on-grid analysis will include a qual suburface analysis utilizing the City's stormsever Gld atabases as the input for the model. Where the GlS sto
16361	131000174	Nueces River Authority	Diversion from the Nueces River to Choke Canyon Reservoir	The Nueces River Authority (NRA) is requesting financial assistance to conduct a flood planning study to assess the feasibility of renting large, high-capacity mobile diesel pumps to pump water from the Nueces River into Choke Canyon Reservoir during flood events. The proposed planning study would involve all tasks necessary to determine the feasibility of this potential flood risk reduction solution including: • Analysis of the proposed project for potential flood risk reduction benefits across the 1 percent annual chance storm event and other selected storm frequencies. • Evaluation of the proposed project for potential contributions to and impacts on water supply development. • Investigation of any potential water rights issues or concerns. • Alternatives analysis of equipment packages and transmission alignments • Other evaluations necessary to determine potential project feasibility This proposed study aligns with FME_ID 131000172 "Diversion from the Nueces River to Choke Canyon" as recommended in the Amended 2023 Region 13 Nueces Regional Flood Plan. While the NRA does not have authority to enact or enforce floodplain management standards, most to all communities within the Nueces River basin have ordinances in place equivalent to NFIP minimum standards and appear to be currently enforcing those standards as documented in Chapter 3 of the Amended 2023 Region 13 Nueces Regional Flood Plan. The Authority will work with the TWDB, as practical, to encourage those communities without NFIP equivalent minimum standards in place to adopt floodplain ordinances or orders as applicable.
16362	131000172	Nueces River Authority	Nueces Basin Flood Earty Warning System	The Nueces River Authority (NRA) is requesting financial assistance to conduct a flood planning study to assess the feasibility of implementing a flood early warning system (FEWS) for the Nueces River basin. The proposed study scope of work would include tasks for project management, analysis of existing FEWS within the basin, identification of coverage gaps and potential FEWS station locations, evaluation of potential systems and integration, and other tasks necessary to determine the feasibility of a basin wide FEWS. This proposed study aligns with FME_ID 131000174 "Nueces Basin Early Flood Warning System" as recommended in the Amended 2023 Region 13 Nueces Regional Flood Plan. While the NRA does not have authority to enact or enforce floodplain management standards, most to all communities within the Nueces River basin have ordinances in place equivalent to NFIP minimum standards and appear to be currently enforcing those standards as documented in Chapter 3 of the Amended 2023 Region 13 Nueces Regional Flood Plan. The Authority will work with the TWDB, as practical, to encourage those communities without NFIP equivalent minimum standards in place to adopt floodplain ordinances or orders as applicable.
16363	131000177	Nueces River Authority	Nueces Basin Floodplain Map Updates	The Nueces River Authority (NRA) is requesting financial assistance to conduct a river basin-wide flood planning study to update floodplain maps. This effort will include all steps leading up to but not including the preparation of actual FIRMs. The proposed study scope of work would include project management, coordination with the NRA and other participating stakeholders, data collection, gap analysis, hydrologic and hydraulic analyses, mapping, conceptual flood mitigation analysis, QA/QC, and preparation of final flood protection planning report. All mapping tasks will be consistent with the TWDB Technical Guidelines for Regional Flood Planning Section 3.5.E Mapping Approach, or updated, and other related best management practices. This proposed study aligns with FME_ID 131000177 "Nueces Basin Floodplain Map Updates" as recommended in the Amended 2023 Region 13 Nueces Regional Flood Plan. While the NRA does not have authority to enact or enforce floodplain management standards, most to all communities within the Nueces River basin have ordinances in place equivalent to NFIP minimum standards and appear to be currently enforcing those standards as documented in Chapter 3 of the Amended 2023 Region 13 Nueces Regional Flood Plan. The Authority will work with the TWDB, as practical, to encourage those communities without NFIP equivalent minimum standards in place to adopt floodplain ordinances or orders as applicable.
16364	131000176	Nueces River Authority	Nueces Basin High Hazard Dam Identification and Risk Assessment	The Nueces River Authority (NRA) is requesting financial assistance to conduct a flood planning study to identify and assess high hazard dams within the Nueces River basin. A proposed risk assessment of high hazard dams would allow for enhanced planning to mitigate the risk to loss of life and property near these dams. This proposed study aligns with FME_ID 131000176 "Nueces Basin High Hazard Dam Identification and Risk Assessment" as recommended in the Amended 2023 Region 13 Nueces Regional Flood Plan. While the NRA does not have authority to enact or enforce floodplain management standards, most to all communities within the Nueces River basin have ordinances in place equivalent to NFIP minimum standards and appear to be currently enforcing those standards as documented in Chapter 3 of the Amended 2023 Region 13 Nueces Regional Flood Plan. The Authority will work with the TWDB, as practical, to encourage those communities without NFIP equivalent minimum standards in place to adopt floodplain ordinances or orders as applicable.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16365	131000175	Nueces River Authority	Nueces Basin Low Water Crossing Study and Upgrade Prioritization	The Nueces River Authority (NRA) is requesting financial assistance to conduct a flood planning study to evaluate flood risks associated with low water crossings within the Nueces River basin, identify potential flood risk reduction solutions, and develop a prioritized list of potential flood risk reduction solutions for low water crossings. This proposed study aligns with FME_ID 131000175 "Nueces Basin Low Water Crossing Study and Upgrade Prioritization" as recommended in the Amended 2023 Region 13 Nueces Regional Flood Plan. While the NRA does not have authority to enact or enforce floodplain management standards, most to all communities within the Nueces River basin have ordinances in place equivalent to NFIP minimum standards and appear to be currently enforcing those standards as documented in Chapter 3 of the Amended 2023 Region 13 Nueces Regional Flood Plan. The Authority will work with the TWDB, as practical, to encourage those communities without NFIP equivalent minimum standards in place to adopt floodplain ordinances or orders as applicable.
16366	131000179	Nueces River Authority	Nueces Basin Scaling Up NBS Study	Nucces SUNS (Scaling Up Nature-based Solutions): A multi-jurisdictional feasibility analyses in targeted areas of the Nucces River Basin to identify a prioritized portfolio of nature-based solutions (NBS) food mitigation projects and strategies that consider both risk reduction and ecological benefits Nature-based solutions (NBS) are a proven, cost-effective strategy for enhancing resilience. Unfortunately, NBS projects are often unfunded partially because (1) these types of projects are poorly represented in existing plans, (2) there are a shortage of "shovel ready" projects, and (3) many smaller and/or rural communities lack the capacity to identify and develop these projects. This lack of shovel ready, fundable NBS projects holds true for many of the regional flood plans submitted to the Texas Water Development Board during the first round of flood planing, including in the Nucces Regional Flood Plan. The lack of NBS projects such tade in ability to secure the numerous, and increasing/available federal funding opportunities to support NBS project development and implementation, including from sources such as NFWF's America the Beautiful and Coastal Resilience opportunities and FEMA's Building Resilient Infrastructure and Communities (BRIC) program. One of the goals established in the Nucces Regional Flood Plan, to "increase nature-based practices through land conservation and restoration programs and participation in landowner incentive programs to encurage voluntary land stewardship practices to manage floodwaters, slow unoff, and dissipate flood energy to include riparian, vetland, forest, upland and other habitat protection programs. To address this goal and increase the number of approved NBS projects and strategies in the Nucces Regional Flood Plan, the exiter observancy (TNC) and Nucces River Authority (NRA), propose to develop and implement a Scaling Up Nature-based Solutions (SUNS) project in the Nucces River Basin. Nucces SUNS is proposed as a stakeholder-driven planning effort to develop NBS to red

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16368	041000046	Orange County Drainage District	Culvert and Railroad Trestle Study	Orange County has experienced severe, repetitive flooding over the past decade, most notably due to Hurricane Harvey in 2017 (DR-4332), the "Memorial Day Floods" of 2015 (DR-4223), and Tropical Storm Imelda in 2019 (DR-4466). These flooding events resulted in loss of life and billions of dollars in damages to real and personal property throughout Orange County. Water rescues and mandatory evacuations occurred as flood waters engulfed and submerged homes, businesses, and schools. During each event, roads throughout the region were impassable, making emergency responders unable to access mary residential areas. Water wells became contaminated and septic systems rendered inoperable, leaving mary residents without a potable water supply and further contaminating groundwater. Undersized culverts and railroad trestles at major drainage structures throughout the unincorporated areas of the County are contributing sources of localized and widespread structural and road flooding. Increasing the size of these culverts and trestles will decrease flooding upstream of the drainage structure, but the optimal size, location, and shape must be determined to maximize these benefits while reducing unintentional adverse effects downstream. The increasing severity and frequency of flooding events in Southeast Texas emphasizes the need to implement detailed flood control planning in the region. The proposed feasibility assessment will noclude development of engineering lidentified areas of increased flood risk. The feasibility assessment will include conceptual deesign, estimated costs, and predicted benefits but will not include development of engineering plans/specifications. The scope of work for this flood protection evaluation includes, but is not limited to: • Develop or update hydrologic and hydraulic models for the sub watershed to each discharge point. The models will ub based on the most current topography (LiDAR) and limited survey where appropriate is berewise inducited below. O wo Detail – Typically undeveloped, rural
16370	021000045	Paris	Update to City of Paris Comprehensive Stormwater Plan Study	Comprehensive Hydrologic and Hydraulic study to evaluate drainage improvements along the following streets/areas: • 6th St. from E. Austin to Hearon, then southwest to 12th St. and Jackson. Also 12th St. from E. Austin to Hearon and down southeast until Jackson and 10th St. • Jackson St. from 3rd St. to 7th St. then E. Sycamore St. from 7th St. to 12th St. • Collegiate St. from Clark to Trail de Paris and east on Trail de Paris for 2,500 ft. • From Collegiate St. about 1,500 ft south of Trail de Paris and 2,500 ft. east. • East of 17th St. from Business 82 to Trail de Paris. • East of Johnson Woods St. from Business 82 to Clark St. • From Laurel Ln. and Mahaffey Ln. southeast for 750 ft, then south until Business 271. • 6th St. from Washington to Brame, then east until Brame and 3rd St.
16371	031000046	Parker County	Parker County Dam Inundation Study	Parker County Dam Inundation study will include the development of Hydrologic and Hydraulic (H&H) models to define dam inundation area all the high and significant hazard dams located in Parker County. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. Per Texas Administrative Code (Title 30 chapter 299, dams and reservoirs), dams are required to be evaluated for threats to human life or property to determine the adequacy of the design, construction, or operation of the dam to meet safety criteria. The design flood for a given dam is based on both the size and hazard classification of the dam and is expressed as a percentage of the Probable Maximum Flood (PMF) TAC 8299.15. In addition to evaluating the design flood capacity, the hydrologic models are used to establish peak water surface elevations and reservoir inflow hydrographs, which are in turn utilized for performing the breach analysis and generating breach inundation mapping. A hydraulic model will be used to analyze downstream conditions from flows through a dam; either designed flows through a spillway or hypothetical flows resulting from an uncontrolled breach, or failure, of the dam. Specific to this project, hydraulic models are used to map inundation extents from a hypothetical breach of the dam. Inundation mapping is then used as a critical element of an Emergency Action Plan (EAP). TCEQ requires breach analyses and EAPs for all significant and high hazard dams. This study will utilize the design flood peak water surface elevations and inflow hydrographs developed by the hydrologic models to perform the breach inundation mapping. The breach models will evaluate the required breach scenarios – normal pool breach (aka, sunny day breach), barely overtopping breach (if necessary), and design flood (PMF) breach (TAC 8299.15a.4.A.i).

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16372	061000070	Pearland	Cowart Creek Segment 16	The City of Pearland (population 129,949) requests funds for the Flood Management Evaluation (FME) Cowart Creek Segment 16 project. The proposed project will result in a clearly defined Flood Mitigation Project (FMP) and will be completed following the proposed scope of work: General Management This task includes internal project management and coordination with the City of Pearland and other stakeholders such as Brazoria Drainage District #4. Data Collectino Collect, compile, and review the best available data (including general background GIS data and collection of historical information) aimed at gathering information relevant to the modeling and analysis process. Hydrology Update previous hydrologic analysis using HEC-HMS from the current Pearland/BDD4 MDP to incorporate Atlas 14 rainfall and other newer data, such as 2018 LiDAR and 2024 aerial imagery, to establish revised flows for use in the hydraulic modeling. Hydraulics Analysis and Mapping Update prior studies and associated floodplain mapping to reflect current study conditions and revised hydrology for approximately 1.5 miles of streams across a 0.6-square-mile study area. Hydraulic analysis shall include evaluating the existing peak flow rates and water surface elevations for the 2-, 5-, 10-, 25-, 50-, 100-, and 500-year frequency events using the latest version of HECRAS. Generate existing inundation mapping and water surface elevation/depth grids for the modeled storm events. Flood Risk Reduction Project Refinement Re-evaluation of previous flood risk reduction projects based on updated modeling, considering factors such as estimated construction cost, implementation challenges, ROW acquisition, and flood risk reduction effectiveness. Summarize the updated project recommendations. This task will also Include performing the analysis, and identification of benefits. Quality Assurance/Quality Control This task includes a multi-level approach to ensure all project goals are met, criticat technical issues are addressed, and high-quality prod
16373	061000065	Pearland	Hickory Slough Lower Segment	The City of Pearland (population 126,949) requests funds for a Flood Management Evaluation (FME) project, Hickory Slough Lower Segment. The proposed project will result in a clearly defined Flood Mitigation Project (FMP) and will be completed following the proposed scope of work: General Management This task includes internal project management and coordination with the City of Pearland and other stakeholders such as Brazoria Drainage District #4. Data Collection Collect, compile, and review the best available data (including general background GIS data and collection of historical information) to gather information relevant to the modeling and analysis process. Hydrology Update of previous hydrologic analysis using HEC-HMS from the current Pearland/BDD4 MDP to incorporate Atlas 14 rainfall and other newer data, such as 2018 LiDAR and 2024 aerial imagery, to establish revised flows for use in the hydraulic Analysis and Mapping Update prior studies and associated floodplain mapping to reflect current study conditions and revised hydrology for approximately 3.6 miles of streams across a 2.9-square-mile study area. Hydraulic analysis shall include evaluating the existing peak flow rates and water surface elevations for the 2-, 5-, 10-, 25-, 50-, 100-, and 500-year frequency events using the latest version of HECRAS. Generate existing inundation mapping and water surface elevation/depth grids for the modeled storm events. Flood Risk Reduction Project Refinement Re-evaluation of previous flood risk reduction projects based on updated modeling, considering factors such as estimated construction cost, implementation challenges, ROW acquisition, and flood risk reduction effectiveness. Summarize the updated project recommendations. This task will also include performing the analysis equired and preparing all documentation. Documentation and Public Outreach Preparation of a technical memorandum that summarizes the assumptions, methodologies, and results of the H&H analysis and outlines the progression of the H
16378	031000273	Plano	City of Plano DMP	The City of Plano Drainage Master Plan (DMP) will include the development of Hydrologic and Hydraulic (H&H) models to define existing and future flood risk citywide and evaluate potential drainage improvement alternatives to mitigate flood risk. The DMP will include both riverine and storm drain system analyses and will place special emphasis on areas with a known history of flooding. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. The City of Plano DMP will also include public outreach efforts to engage and inform the community, and to obtain their feedback. These efforts may include a project website and public meetings over the course of the study. A project website can be used to share the study's progress, main results, and upcoming activities. It may also provide options for receiving community feedback and allow citizens to report additional known areas of flooding via interactive maps. The hydraulic performance and feasibility of each drainage improvement alternative will be evaluated within the context of "Exhibit C - Technical Guidelines for Regional Flood Planning" (TWDB, 2021). A feasible alternative should result in a quantifiable reduction in flood risk, it must be permittable, constructable and implementable, and must have no negative impacts on neighboring areas. A comparative assessment of pre- and post-project conditions for the 1% annual chance flood (100-year recurrence interval) will be performed for selected alternatives. Hydraulic results will be compared to determine compliance with the no negative impact requirements. A Benefit-Cost Analysis (BCA) will be performed for the alternatives that meet the no negative impacts criteria. The conceptual alternatives developed under this DMP are expected to be submitted as Flood Mitigation Projects (FMPs) to the Trinity Regional Flood Planning Group (RFPG) for inclusion in the Trinity Region
16381	151000102	Rio Grande City	Rio Grande City MDP	Develop a Master Drainage Plan and flood risk maps for the city of Rio Gra.nde City. City limits for Rio Grande City
16382	031000049	River Oaks	West Fork of the Trinity River Levee Failure Hydrologic Study	The west fork of the Trinity River levee failure study will include the development of hydraulic 2-dimensional models to define multiple levee breach inundation areas for the sections of the levee system that surround the city of River Oaks. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. The inundation study will map hypothetical flows resulting from an uncontrolled breach of the levee. Inundation mapping can be used by the City official and emergency management personnel to define evacuation zones.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16383	131000070	Rockport	Downtown Rockport Drainage Study	On August 25, 2017, Aransas County took a direct hit from Hurricane Harvey, a Category 4 storm with wind gusts over 150 m.p.h. The hurricane-force winds, rain, and associated tornados lasted for approximately 13 hours and caused catastrophic destruction and wide-spread loss of property. The greatest flood damage occurred within downtown Rockport. This Flood Mitigation Evaluation (FME) study will be used to develop Flood Mitigation Projects (FMP), and flood mitigation projects to be funded through the FEMA Hazard Mitigation Assistance Program. The project will require the following analysis: 1. Leverage Base Level Engineering (BLE) data developed by TWDB to develop a detailed city-wide hydrologic and hydraulic risk model 2. Develop a refined coastal flood risk model 3. Identify projects and opinion of probable construction costs of the identified projects through alternative analysis. 4. Develop Benefit-Cost Analysis for each individual project. 5. Develop Prioritization and Capital Improvement Program funding and phasing analysis. 6. Conduct Public Outreach 7. Conduct preliminary environmental analysis 8. Review and update existing floodplain criteria The results of the FME will be a plan to design and implement flood mitigation solutions to create a more resilient downtown.
16384	081000945	Round Rock	Chandler Branch Trib. 3	The City of Round Rock is proposing a feasibility study to be performed to delineate the boundaries of jurisdictional WOUS within the project area, for a proposed flood mitigation project of approximately 4,000 linear feet (LF) of a vegetated channel. The project is in Chandler Branch Tributary 3, from Settlement Drive to Eagles Nest Street in Round Rock, Williamson County, Texas. The City of Round Rock anticipates that Clean Water Act (CWA) jurisdiction exists and WOUS will be impacted, so this request for funding also includes the cost of applications for regulatory permits that may be required from the United States Army Corps of Engineers (USACE) prior to construction activities. Tasks that will be performed initially include: 1. Phase I Environmental Site Assessment to include a review of existing data and records, site reconnaissance, interviews, findings evaluation, and report preparation. 2. Waters of the U.S. Delineation will delineate the boundaries, including special aquatic sites (e.g., wetlands), and collect at least two representative wetland sample data points. If no surface water features are identified, two Wetland Determination Data Forms will be completed to document negative findings. Any identified stream/wetland boundaries will be staked. A Waters of the U.S. (WOUS) Delineation Report will be prepared, and endangered species and U.S. Fish & Wildlife designated critical habitat through a desktop study and field visits. The vegetation of the project area will be characterized, as will the ecological setting, in accordance with TPWD map publications. A Protected Species Habitat Evaluation Report will be prepared. 4. The Archaeological Desktop Study will consist of a comprehensive desktop review of records pertaining to the proposed project area, producing a letter report. 5. USACE Section 404 Nationwide Permit (NWP), if applicable, will result in a Pre-Construction Notice (PCN) and permit application for the appropriate NWP in accordance with the USACE Fort Worth District's application proces
16387	091000085	San Angelo	San Angelo Sunset Lake Flooding Improvement	Evaluate the increase in flood water surface using best/most recent available data. Analyze the flood pool level for Sunset Lake. Review the outlet structures, overflow points, and the excessive 70,000 cu yds of required dredging. Restore or improve lake levels to FEMA FIS studies.
16388	091000105	San Angelo	Tom Green County DMP	The primary goals of the Tom Green County Drainage Master Plan (DMP) are: 1) identifying areas of greatest flood risk, 2) analyzing alternatives to reduce flooding risks, and 3) developing flood mitigation projects that may be included in the Texas State Flood Plan and become eligible for future State funding opportunities. The Tom Green County DMP will include the development of new Hydrologic and Hydraulic (H&H) models, and/or enhancements to existing models, to define existing and future flood risk countywide and evaluate potential drainage improvement alternatives to mitigate flood risk. The DMP may include both riverine and storm drain system analyses and will place special emphasis on areas with a known history of flooding. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. In addition to evaluating potential structural flood mitigation solutions, recommendations will be developed for updating the County's Floodplain Court Order and Subdivision and Land Development Regulations. These recommendations are primarily intended to enhance the County's ability to regulate development in flood-prone areas beyond the regulatory FEMA floodplain. The Tom Green County DMP will also include public outreach efforts to engage and inform the community, and to obtain their feedback. These efforts may include a project website and public meetings throughout the study. A project website can be used to share the study's progress, main results, and upcoming activities. It may also provide options for receiving community feedback and allow citizens to report additional known areas of flooding via interactive maps. The hydraulic performance and feasibility of each drainage improvement alternative will be econstructable and implementable, and must have no negative impacts on neighboring areas. A comparative assessment of pre- and post-project conditions for the 1% annual chan

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16390	121000134	San Antonio River Authority	Evaluation and Prioritization of new Gauge Locations	The use of gauges is essential for monitoring changing conditions and enabling timely responses to flood risks. The proposed project aims to conduct a comprehensive study to identify optimal stream gage locations within the Lower San Antonio River Basin, targeting areas within Wilson County, Karnes County, and Goliad County. This project will assess the potential use of stream gauges and data to be collected per the needs of the county. This will involve identifying specific locations for placement, type of data to be collected, and applications of data. Use of data collected will be for warning systems and hydrological data to be used for the better understanding of the watershed and water levels and flow rates in real time. Data collected will provide crucial information that can be used for various benefits. This project directly supports the objectives of the Flood Infrastructure Fund (FIF) Plan by enhancing flood risk management and flood control. For point directive is proving the availability and accuracy of data. By strategically placing stream gauges in key locations within Wilson County, Karnes County, and Goliad County, the project will control efforts by improving the availability and accuracy of data. By strategically placing stream gauges, focusing on their strategic placement and the critical data they collect. Project will identify optimal locations for gauge installation, considering hydrological relevance, access, and flood risk levels. The primary goal is to harness stream gauge data for early flood warnings, enhancing our ability to forecast floods and understand watershed dynamics through precise rainfall measurements. By conducting a thorough assessment, we aim to maximize the value stream gauge data for early flood warnings, enhancing our ability to free stream gauge affectively and sustainably. This collaborative effort is crucial for the long-term success and utility of the stream gauge data for early flood warnings, enhancing our ability to forecast floods and understand the unique nee
16391	121000137	San Antonio River Authority	River Authority WWTP	The proposed project will study selected River Authority Wastewater Treatment plants resilience to understand risks for WWTP owned by the San Antonio River Authority. The study's goal is to identify risks and provide solutions to those risks. The Salitrillo Wastewater treatment plant treatment located along a creek is experiencing increases in base flood elevations as a result of the Atlas 1 arinfall updates. The study will evaluate the potential risks to the plant's operations, environmental compliance, and community health and safety resulting from these floodplain changes. It will identify and explore effective mitigation options to reduce flood impact risks, including but not limited to infrastructure modifications, operational adjustments, and emergency response enhancements. The Salitrillo WWTP treats areas for three communities, these being City of Live Oak, Universal City, and City of Converse. In addition, Martinez I WWTP is also located near the floodplain. The study will also evaluate the potential risks to the plant resulting from floodplain changes as a result of Atlas 14. Key tasks of the project include: Risk Evaluation: Thorough evaluation of the potential risks to the Wastewater Treatment Plants owned by the San Antonio River Authority due to the revised floodplain delineations. This assessment will prioritize the plant's operational integrity, adherence to environmental regulations, and the safeguarding of community health. Mitigation Strategy Development: Following risk identification, the project will devise a comprehensive set of mitigation strategies aimed at minimizing flood-related impacts. These strategies may encompass infrastructure upgrades, operational changes, and the enhancement of emergency response measures. This project is critical in ensuring the continued protection and well-being of the communities served by the wastewater treatment plants. By proactively addressing the challenges presented by updated flood risk data, the project supports the San Antonio River Authority's co
16392	101000086	San Leanna	Citywide Drainage Study	The Village of San Leanna is requesting financial assistance to conduct a flood planning study to identify, evaluate, and determine potential flood mitigation solutions to reduce flood risk. The proposed study scope of work would include project management, coordination with the Village and other participating stakeholders, data collection, gap analysis, hydrologic and hydraulic analyses as needed, mapping, conceptual flood mitigation analysis, QA/QC, and preparation of final flood planning report. This proposed study aligns with FME_ID 101000086 "Citywide Drainage Study" as recommended in the Amended 2023 Region 10 Lower Colorado Lavaca Regional Flood Plan.
16393	111000060	San Marcos	City of San Marcos – Extension of River Ridge Parkway West Project Planning	Project planning for proposed project identified through the San Marcos Transportation Plan, to increase the ability to divert traffic during flood events.
16394	111000172	San Marcos	City of San Marcos Atlas 14 H&H Model Updates	Development of new City-Wide (and ETJ) H&H models, using Atlas 14 rainfall data and possible evaluation of flood reduction alternatives.
16395	111000174	San Marcos	City of San Marcos Gauges for Phase 2 of city-wide FEWS	Project planning for installation of 14 additional stream/rain gauges and development of a real time flood warning system throughout the City.
16396	111000056	San Marcos	City of San Marcos Low Water Crossing at Jackman Project Planning	Project planning to replace low water crossing at Jackman Street.
16397	111000057	San Marcos	City of San Marcos Low Water Crossing at Mitchell and Purgatory Creek Project Planning	Project planning to replace low water crossing at Mitchell and Purgatory Creek.
16398	111000058	San Marcos	City of San Marcos LWC at River Road and Railroad Trestle/Blanco River Project Planning	Project planning to replace low water crossing at River Road and Railroad Trestle/Blanco River.
16399	111000059	San Marcos	City of San Marcos LWC at S LBJ and Purgatory Creek Project Planning	Project planning to replace low water crossing at S LBJ and Purgatory Creek.
16401	111000055	San Marcos	City of San Marcos Modeling of Purgatory Creek and Willow Springs Creek Overflow Area	Develop 2-dimensional modeling of Purgatory Creek and Willow Springs overflow area.
16403	111000054	San Marcos	City of San Marcos Regional Detention Study	Study for solutions for regional detention and water quality strategies
16404	111000142	San Marcos	City of San Marcos South LBJ Drive at Willow	Alternatives analysis to determine if a feasible FMP exists at this location. Develop technical data required for FMPs.
			Springs Creek Project Planning	

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16405	111000177	San Marcos	City of San Marcos Upper San Marcos Site 4 & 5 Dam Evaluations	This project planning will include a re-evaluation of NRCS dam 4 and 5 with Atlas 14 rainfall and an analysis of potential updates to the dams that could improve flood reduction withing the City of San Marcos.
16406	111000169	San Marcos	City of San Marcos USACE Regional Flooding Mitigation Bypass Channel Project Planning	Update existing study for alternatives, preliminary engineering and design of selected alternative.
16407	111000061	Seguin	Seguin Regional Drainage Masterplan	Study of solutions to increase drainage capacity, add stormwater detention and/or retention basins, consider flood control structures, and plan drainage improvements as deemed necessary to reduce flood risk. The goal of this master plan is to identify projects that will reduce or eliminate existing flooding risks in the Youngs Creek, Cottonwood Creek, Geronimo Creek, and Long Branch- Mill Creek watersheds. The Seguin Regional Drainage Masterplan will identify and develop information for hazard mitigation planning along the channels included in this study. As extreme weather events and flood waters do not recognize jurisdictional boundaries, like contry and city limits, partners will work together to address flooding as a regional issue. Included in the Seguin Regional Drainage Masterplan are the cities of Seguin and Kingsbury and portions of Guadalupe County. This comprehensive study will develop a set of hydrologic and hydraulic models for the major streams within the City of Seguin and it's extra-territorial jurisdiction. This will provide a basis for local, state, and federal agencies to identify flooding vulnerabilities for existing infrastructure and impacts from future growth to improve flood resiliency in the watershed. Potential projects supported by the results of this study are intended to reduce flood risks to people and property located throughout the watershed resulting in better informed and more resilient communities. Information to be developed includes non-regulatory inundation maps for the studied streams that show the extent and depth of riverine flooding of the major streams within the watershed for an array of simulated storm events. Additionally, information will be gathered about the number of structures, acres of land, miles of roadway, as well as critical infrastructure and evacuation routes, that are located within the inundation area.
16410	061000283	South Houston	City of South Houston Master Drainage Plan	Study to develop Master Drainage Plan using future and existing land use and flood/storm water drainage needs including Atlas 14 rainfall.
16411	081000979	Sugar Land	Integrated Stormwater Management Model (ISWMM) Phase 4	The Integrated Stormwater Management Model (ISWMM) Update Phase 4 will update the City's storm water model to incorporate construction changes to the City since the City started the citywide stormwater system modeling effort approximately 15 years ago. This will incorporate significant drainage improvements that were implemented after recent flood events to provide residents with an accurate, real-time model of how the storm water system in the City is performing during a rain event, what roadways are open and where to expect street ponding and flooding, based on the amount of rainfall recorded during the rain event. Models will also be evaluated for potential improvements on high-intensity, short duration storm events to better predict fast rainfall events. The City uses the ISWMM model to forecast rain event impacts to structures, roadways and drainage systems to know where to dispatch resources and where to implement measures to protect the public, such as roadway closures, dispatch of high water rescue vehicles and drainage inspections as part of pre-rainfall event planning, operations during rainfall events and post-rainfall event evaluations.
16412	021000062	Sulphur River Basin Authority	North Sulphur River Channel Stability and Flooding Study	Sulphur River was straightened and channelized by USACE in the 1930s as a flood control measure. Doing so has resulted in substantial erosion and downcutting of the channel, resulting in substantial sediment generation and enhanced sediment transport. This additional sediment generation and transport may be impacting flooding through sediment accumulation within the major reservoirs (River Crest Lake, Jim Chapman Lake, Lake Sulphur Springs and Wright Patman Lake), potentially impacting the flood storage capacities of these reservoirs. In addition, trees are transported until they find lower velocity areas, resulting in several large log jams that create local flooding hazards. The objective of this study is to quantify the rate of sediment accumulation in these reservoirs and their subsequent impacts on flood planning. The impacts of the log jams and generation of log debris will also be evaluated. This study will inform practices to mitigate sediment generation and delivery to the reservoirs such as stream restoration and upland best management practices. The study may also be used to developed dredging plans for the reservoirs flood storage lost to sedimentation. Hydrology and sediment medel will be developed for the Sulphur River watershed using the Hydrological Simulation Program Fortran (HSPF). HSPF is a FEMA approved hydrologic numerical model meeting the minimum requirement of National Flood Insurance Program. The HSPF model will be developed using readily available topography, land use, soils and meteorological data. The model will be used to simulate watershed hydrology and sediment accumulation rares with the subplur River system over a range of flow regimes and to reasonably establish annual sediment accumulation rates in the reservoirs. The hydrology component of the HSPF model will be calibrated to streamflow data available at multiple USGS streamflow gages. Sediment tarsport in the Sulphur River and model calibration/validation. The 2D BLE HEC-RAS models for the Sulphur River system over a range o
16413	031000456	Tarrant Regional Water District	Preliminary Engineering Study for Mary's Creek Mitigation for Fort Worth Floodway and Central City	TRWD is interested in preliminary engineering of a flood mitigation concept in the Mary's Creek basin upstream of the Fort Worth Floodway Federal Project and the Fort Worth Central City (FWCC) Project. The concept will be based on one of four alternatives currently being analyzed as part of the Upstream Flood Mitigation Analysis (UFMA) project. This basin spans multiple jurisdictions including the City of Fort Worth, the City of Benbrook, Tarrant County, and Parker County. As this area develops, options for mitigation become fewer. This study will collect additional data associated with the selected mitigation alternative from UFMA, including topographic and boundary survey, and prepare a preliminary engineering design of the concept and associated infrastructure necessary to reduce peak flows through the Fort Worth Floodway. Key deliverables will include a Preliminary Engineering Report, 30% design drawings, and commensurate Opinion of Probable Construction Cost. Best available and most recent topographic data (2019 LiDAR) was used to determine the extents of the proposed project.

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16419	061000290	Taylor Lake Village	Taylor Lake Village Flood Mitigation Assistance 2022 Capability and Capacity Building (C&CB) Project Scoping	The proposed Flood Management Evaluation (FME) is the City of Taylor Lake Village Master Drainage Plan. The flood control planning study meets the definition contained in Texas Water Code Section 15.405. The study will seek to identify projects to reduce flooding in repetitive loss areas impacted by rainfall events. The FME will not address storm surge flooding. The FME will include the following work tasks: • Video inspection of 18,000 feet of storm sewers between 12-inches and 84-inches nominal diameters; • Finished floor elevation survey of 60 properties in the repetitive loss areas; • Hydro logic and hydraulic modeling of existing topography (including prior land subsidence) and the associated drainage system, with appropriately defined boundary conditions reflecting the coastal area and use of Atlas 14 rainfall amounts; • Hydro logic and hydraulic modeling of proposed storm sewer improvements or changes including enlargements, rerouting, adding inlets or outfalls, and similar changes; • Identify proposed drainage improvements; • Calculate benefit cost ratios for proposed improvements using FEMA Benefit Cost Analysis Toolkit Version 6.0; and, • Final master drainage plan report.
16421	021000035	Texarkana	Cowhorn West Creek	This flood study seeks to further model the Arroyo Street area to better provide options for flooding mitigation. It will increase coverage of flood mapping in the area.
16423	021000037	Texarkana	Stream WC-1	This flood study seeks to evaluate the storm drain system around McKnight Road and Jonathan Street to analyze alternatives to increase community access and reduce flooding in nearby neighborhoods.
16425	021000033	Texarkana	Wadley Hospital Flood Study	This flood study seeks to define the flood risk for the Wadley Hospital area and any mitigation options available as a result.
16428	111000127	Upper Guadalupe River Authority	Upper Guadalupe River Authority Evaluation of Water and Sediment Control Facilities	UGRA's Water and Sediment Control Facility Program was initiated in 2012. It is a cooperative program established by the UGRA Board of Directors under which UGRA partners with public or private landowners to facilitate the construction of water and sediment control facilities in the Guadalupe River basin within Kerr County (http://www.ugra.org/major-initiatives/water-and-sediment-control-basins). Water and sediment control facilities in the Guadalupe River basin within Kerr County (http://www.ugra.org/major-initiatives/water-and-bolding it on the land reduces flooding in the receiving waterbody, on adjacent properties and structures, while also providing benefits to the watershed. These benefits include the slow release of floodwater to enhance river flow over a longer period, a reduction in potential erosion, and reduced sedimentation of the river. UGRA's first water and sediment control facility was completed in November 2012 on an unnamed tributary of the North Fork Guadalupe River on the Kerr Wildlife Management Area which is owned and operated by Texas Parks and Wildlife Department. Since that time, UGRA has constructed eight more of these structures. Three are on dry tributaries of the North Fork of the Guadalupe River, wa are on dry tributaries of the North Fork of the Guadalupe River, and four are on dry tributaries of the North Fork of the Guadalupe River, and four are on dry tributaries of Johnson Creek. After the ninth structure was completed in 2021, the program was paused pending evaluation of the effectiveness of the structures to mitigate the impact of flood pulses. This project presented for funding would evaluate the benefits and cost-effectiveness of UGRA's existing nine Kerr County water and sediment control basin facilities. Evaluation would include H&H modeling and financial data to determine flood risk reduction achieved by the facilities. The results of the evaluation would guide decisions to resume the program and construct future facilities in Kerr County.
16429	081000890	Waco	Loop 340 Berm & Frontage Road Improvements	The areas in and around Loop 340 and 12th Street within the City of Waco have shown to be encumbered by flooding and overflow issues. There is a need to develop proposed conditions alternatives and H&H models for the Cottonwood Creek Watershed in this area to provide updated watershed models to the City for development of flood mitigation measures. The FEMA Base Level Engineering (BLE) study identified possible overtopping of the flood structure and southbound frontage road of Loop 340. The flooding shown in the BLE study extended beyond the limits of the model. As part of an effort to update the FIRMs in this area, the City of Waco conducted a detailed 1-D H&H study of Cottonwood Creek. This modeling effort confirmed the BLE study and indicated the overflow created by the Loop 340 crossing stayed on the west side of the Loop, traveling in a north-eastery direction before crossing under Loop 340 and University Parks Dr. and returning to Cottonwood Creek. This significantly expanded the 100-yr floodplain for Cottonwood Creek, including several residential and non-residential structures. The floodplain identified in the Waco Study was submitted to FEMA as part of a LOMR and became the effective FIRM on June 8, 2023. The Waco study included a lateral structure parallel to Ender Rd. as the limits for the model. Overflow at the lateral structure was lost from the Cottonwood Creek model; the area beyond the lateral structure drained to Primose Creek. More recent preliminary 2-D modeling extended the study area and tracking of the Cottonwood Creek overflow into the Primose Creek basin and found that more than 100 residential structures may be at risk of flooding due to the Loop 340 crossing. Additional modeling and alternative analysis is needed to fully determine the extents of the risk and determine possible solutions. This Flood Management Evaluation (FME) will provide engineering services to further expand the existing conditions analysis for the portion of the City not analyzed in detail. This includes the Cotton
16430	081001286	Waco	Taylor/Elm Storm Infrastructure & Outfall	The City of Waco's efforts in recent years have sought to bring much-needed attention to East Waco, a historically underserved area, which teems with rich culture, decades-old businesses, and historic buildings. In the past, East Waco experienced frequent flooding, as evidenced by photos through the years, and construction of upstream dams in Whitney, Aquilla and Waco helped to alleviate the problems. However, in 2019 the US Army Corps of Engineers updated the Brazos River's 100-year flows, and the City of Waco submitted a request for a Letter of Map Revision (LOMR) based on these higher flows. The new 2022 Flood Insurance Rate Map (FIRM) included an expanded 100-year flowdplain that envelops many of the properties in East Waco, and is now hampering revitalization efforts. As the recent FIRM clearly shows, overtopping of Martin Luther King, Jr. Blvd. by the Brazos River is a major contributor to the increased floodplain area. This study and preliminary engineering design will analyze potential options including levee(s) to direct flow and prohibit road overtopping. Another factor increasing the widespread flooding potential is the series of several major and minor outfalls which drain stormwater from the area to the river, some of which are either fully or partially submerged. Two of the major outfalls discharge flow from the area to the river overtops MLK, Jr. Blvd, storm drains will be full or partially full, and runoff in East Waco will inundate the storm system, exceeding inlet and manhole rim elevations and flooding roads and private property. In addition to the riverine flooding and the submerged outfalls, there are also localized flooding areas where the current storm infrastructure is insufficient to capture runoff, which is exacerbated by the river flooding. For these reasons, this project seeks to investigate not only the properties affected by the updated FIRM, but also includes those properties bounded by the Brazos River to the southwest, Herring Avenue to the northwest, I-35 to the southeast and B

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16431	061000310	Waller County	Waller County Flood Mapping Updates	The purpose of this project is to conduct a countywide restudy of mapped floodplains in Waller County using NOAA Atlas 14 rainfall and leveraging the current capabilities of 1D/2D hydraulic modeling software. Waller County lies in the lower coastal plain of Southeast Texas and has experienced flooding from major storms within this region over the past decade including Hurricane Harvey (2017), the 2016 Tax Moy Flood, and the 2015 Memorial Day Flood. Quality flood risk information is critical to the sustained growth of the county, which is projected to double in population between now and the year 2040 per the Houston- Galveston Area Council (HGAC). Flood risk in Waller County is generally characterized by the Brazos River and its tributaries to the west, while the eastern areas of the county drain to Upper Buffalo Bayou. Cypress Creek, and Spring Creek in the San Jacinto River Basin. San Jacinto River Authority (SIRA) intends to provide in-kind grant management services for the project on behalf of Waller County. The proposed project score) includes the restudy of approximately 300 stream miles to an teracy being mapped include the Brazos River, Spring Creek, Three Mile Creek, and portions of Wallnut Creek and Birch Creek. The project may also exclude portions of tributary streams within the Brazos River floodplain as deemed appropriate through coordination between mapping studies. A review of the FEMA National Flood Hazard Layer indicates that approximately haif the stream Berlood Elvestion defined. Due to Waller County having several distinct topographies and areas with higher concentrations of population, it is assumed that detailed hydraulic modeling will be evenly split between 1D and 2D modeling approaches to develop updated flood risk information. Additionally, it is assumed that ground survey will need to be acquired at approximately 200 locations in order to develop more detailed geometry in the hydraulic counds including Burley Caunty Haurices Team (BLC) work produces, finct Hot Ray Caunty Hau Post Cau
16433	101000214	West Brazoria County Drainage District 11	West Brazoria County Drainage District 11 Master Drainage Plan	The Region 10 Flood Planning Group draft plan notes the West Brazoria County Drainage District #11 (WBCDD#II) area as SEVERE for current and future risk as well as the location of CRITICAL infrastructure. The location of the WBCDD#II has direct connection to Wharton and Fort Bend Counties, resulting in the need for improvements within the WBCDD#II to assist these neighboring counties. The purpose and goal of the Master Drainage Plan is to conduct a comprehensive evaluation of the existing drainage conditions throughout the district, develop an accurate and current understanding of the drainage infrastructure, and make recommendations on future projects and infrastructure. The assessment will include an inventory of the existing data, hydrologic and hydraulics watershed model, flooding problem area identification, and flood mitigation solutions. A drainage Capital Improvement Plan (CIP), including costs, will be developed to address flooding issues. Note: The WBCDD#II has gone through an RFQ process, selected Scheibe Consulting to develop the Master Drainage Plan for the District, and fully negotiated a contract with Scheibe Consulting, Contract Number: WBCDD-001-240122. The West Brazoria County Drainage District No.11 (District) has submitted applications to the FEMA FMA and BRIC 2023 grant cycle application to develop a Master Drainage Plan for the community in which the District serves. In the event of successful award of one of these grants, the District is requesting the Flood Infrastructure Fund (FIF) to pay for the District's share of the federal grant. Under this scenario, the requested amount of funding requested by the FIF program is \$100,000, or a portion thereof.
16434	011000189	Wichita County	Wichita County Drainage Master Plan	The primary goals of the Wichita County Drainage Master Plan (DMP) are: 1) identifying areas of greatest flood risk, 2) analyzing alternatives to reduce flooding risks, and 3) developing flood mitigation projects that may be included in the Texas State Flood Plan and become eligible for future State funding opportunities. The Wichita County DMP will include the development of new Hydrologic and Hydraulic (H&H) models, and/or enhancements to existing models, to define existing and future flood risk countywide and evaluate potential drainage improvement alternatives to mitigate flood risk. The DMP may include both riverine and storm drain system analyses and will place special emphasis on areas with a known history of flooding. Per the SFY 2024-2025 Flood Infrastructure Fund (FIF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses including Atlas 14 and LIDAR. In addition to evaluating potential structural flood mitigation solutions, recommendations will be developed for updating the County's Floodplain Court Order and Subdivision and Land Development Regulations. These recommendations are primarily intended to enhance the County's ability to regulate development in flood-prone areas beyond the regulatory FEMA floodplain. The Wichita County DMP will also include public outreach efforts to engage and inform the community, and to obtain their feedback. These efforts may include a project website and public meetings throughout the study. A project website can be used to share the study's progress, main results, and upcoming activities. It may also provide options for receiving community feedback and allow citizens to report additional known areas of flooding via interactive maps. The hydraulic performance and feasibility of each drainage improvement alternative will be evaluated within the constructable and implementable, and must have no negative impacts on neighboring areas. A comparative assessment of pre- and pos

Abridged Application No.	FMX ID	Applicant Name	Project Name	Project Description ¹
16435	111000080	Wimberley	City of Wimberley Drainage Master Plan	The town of Wimberley flooded catastrophically in May 2015, resulting in the confirmed death of 23 people and an additional 11 souls missing. This same flood resulted in damages to 350 homes with total flood losses on the order \$100 Million. Although the community has rebuilt since this flood and past efforts have been made to better understand the Blanco River, there has been little focus on the flood risk associated with the various tributaries and open channels that drain through town and into the Blanco River. This focus on the development of new hydrologic and hydraulic models for approximately 53 linear miles of open channel in and around the town of Wimberley, TX, using HEC-HMS and HEC-RAS. These new models will be developed using Atlas 14 rainfall statistics and will be calibrated to historic flood events, include the Wimberley Flood of 2015. This project will result in a better identification of flood risked within the limits of this project. In addition to the open channel H&H analysis, this project will also include a closed conduit and street level flood risk modeling for the urban core of Wimberley using InfoWorks ICM 2D. Field survey data collection will be provided for approximately 36 existing culvert and bridge crossings of the various tributaries to be studied. Survey will be collected to FENA data capture standards and will be used as input into the various hydraulic models will be either 1D unsteady or 1D/2D unsteady models, to better replicate flood strage in the watersheeds. This project will encompass all if HUC 12 boundary 121002030202, and a large portion of the HUC 12 boundaries 121002030203. Upon completion of the development of these enclude value eveluate flood reduction solutions (both structural and non-structural). There is a desire by the community to incorporate green infrastructure improvements will be evaluated for cost effectiveness, by estimating the construction cost and computing a benefit-cost atio using the FEMA LOMRs to improve flood reduction solutions (both structura
16436	031000093	Wise County	Wise County DMP	The primary goals of the Wise County Drainage Master Plan (DMP) are: 1) identifying areas of greatest flood risk, 2) analyzing alternatives to reduce flooding risks, and 3) developing flood mitigation projects that may be included in the Texas State Flood Plan and become eligible for future State funding opportunities. The Wise County DMP will include the development of new Hydrologic and Hydraulic (H&H) models, and/or enhancements to existing models, to define existing and future flood risk countywide and evaluate potential drainage improvement alternatives to mitigate flood risk. The DMP may include both riverine and storm drain system analyses and will place special emphasis on areas with a known history of flooding. Per the SFY 2024-2025 Flood Infrastructure Fund (FF) Intended Use Plan (IUP) (Minimum Standards, Item 6), the study will utilize the best/most recent available data to develop and perform the H&H analyses. In addition to evaluating potential structural flood mitigation solutions, recommendations will be developed for updating the County's Floodplain Court Order and Subdivision and Land Development Regulations. These recommendations are primarily intended to enhance the County's ability to regulate development in flood-prone areas beyond the regulatory FEMA floodplain. The Wise County DMP will also include public outreach efforts to engage and inform the community, and to obtain their feedback. These efforts may include a project website and public meetings throughout the study. A project website can be used to share the study's progress, main results, and upcoming activities. It may also provide options for receiving community feedback and allow of "Exhibit C - Technical Guidelines for Regional Flood Planning" (TWDB, 2021). A feasible alternative should result in a quantifiable reduction in flood risk, it must be permittable, constructable and implementable, and must have no negative impacts on neighboring areas. A comparative assessment of pre- and post-project conditions for the 1% annual chan

¹ Project Descriptions may be cut off due to character count limitiation. If desired, please contact TWDB for full project descriptions.