

Lower Colorado-Lavaca Region Flood Mitigation Projects Recommended by RFPG

FMP ID	RFPG Number	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Yes/No)	Estimated Project Cost (\$)	Potential Funding (Sources and Amount)	Flood Risk									
																	Area in 100yr Floodplain (1% annual chance)	Area in 500yr Floodplain (0.2% annual chance)	Estimated number of structures (100yr flood risk)	Residential structures (100yr flood risk)	Estimated Population (100yr flood risk)	Critical facilities (100yr flood risk, #)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)
103000001	10	Lower Colorado-Lavaca	Alum Creek - Cardinal Drive Improvements	2 box culverts: 4x3 west, 4 box culverts: 4x2 east, 310 LM raise roadway	10000027	Bastrop	120701020107, 120903010402, 120903010205	10000138, 10000245	LWC upgrade	4.5304	Riverine	28	00000307, 00000028, 00000258	No	\$545,000		0.2220253	0.2058645	1	1	0	0	2		0.0157151	133.5597534
103000002	10	Lower Colorado-Lavaca	Alum Creek - Cardinal Drive Improvements (Tributary 11)	5 box culverts: 7x6, 360 LF raised roadway	10000027	Bastrop	120701020107, 120903010402	10000138	LWC upgrade	2.4365	Riverine	28	00000307, 00000028, 00000258	No	\$719,000		0.1319119	0.1636211	0	0	0	0	1		0.0307777	78.489975
103000003	10	Lower Colorado-Lavaca	Alum Creek - Cardinal Drive Improvements (Tributary 87)	3 box culverts: 8x6, 100 LF raised roadway	10000027	Bastrop	120903010402	10000138	LWC upgrade	0.1655	Riverine	28	00000307, 00000028, 00000258	No	\$352,000		0	0	0	0	0	0	1		0	0
103000004	10	Lower Colorado-Lavaca	Alum Creek - Ponderosa Loop Improvements	3 box culverts: 8x5, 192 LF raised roadway	10000027	Bastrop	120903010402, 120903010205	10000138, 10000245	LWC upgrade	0.9613	Riverine	28	00000307, 00000028, 00000258	No	\$431,000		0.0075005	0.0540992	0	0	0	0	1		0.0346125	4.0472131
103000005	10	Lower Colorado-Lavaca	Gills Branch Flood Mitigation Improvements	5,050 LF channel benching, 175 LF channel improvements, increased capacity at crossings, landscape walls	10000027	Bastrop	120903010206	10000240	Channel	0.0328	Riverine	10003203	00000307, 00000028, 00000258, 10003203	No	\$6,373,000		0.0296857	0.0009417	14	8	234	0	4		0.2272364	2.2812173
103000006	10	Lower Colorado-Lavaca	FM 685 Crossing Improvements	Integrated with E. Pflugerville Prkwy improvement, 100' wide channel bench 1,700 LF, four 50' span bridge, 810 LF raise road	10000025, 10000027	Travis	120702050403, 120702050404, 120903010106, 120903010103	10000172, 10000216	Channel	4.4673	Riverine	3458	00000307, 00000034, 00000258, 00003458	No	\$8,300,000		0.4001535	0.1317872	13	10	37	0	1		1.0177107	178.1012268
103000007	10	Lower Colorado-Lavaca	E. Pflugerville Parkway Crossing Improvements	Integrated with FM685 improvement, 100' wide channel bench 1,700 LF, four 50' span bridge, remove concrete drop structure	10000025, 10000027	Travis	120702050403, 120702050404, 120903010106, 120903010103	10000172, 10000216	Channel	4.4673	Riverine	3458	00000307, 00000034, 00000258, 00003458	No	\$3,100,000		0.4001535	0.1317872	13	10	37	0	1		1.0177107	178.1012268
103000008	10	Lower Colorado-Lavaca	Highland Park Subdivision Culvert Improvements	Add two 8'x4' RCBS; grading US overbank; 1.5' tall 150' long berm	10000025, 10000027	Travis	120702050403, 120702050404, 120903010103	10000216	LWC upgrade	0.7259	Riverine	34	00000307, 00000034, 00000258, 00003458	No	\$578,000		0.0206814	0.0065025	3	3	0	0	2		0	8.6161108
103000009	10	Lower Colorado-Lavaca	Cele Road Crossing Improvements	Four 50' span bridge, 1160 LF raise road	10000025, 10000027	Travis	120702050404, 120903010102, 120903010103	10000215, 10000216	LWC upgrade	4.3201	Riverine	34	00000307, 00000034, 00000258, 10001025, 10001079, 10001088, 10001147, 10001173, 00001302, 00001990, 10001991, 00003458	No	\$4,300,000		0.447117	0.1027288	8	5	13	0	1		0.7869315	195.962738
103000010	10	Lower Colorado-Lavaca	Gregg Lane Crossing Improvements	Four 50' span bridge, 870 LF raise road	10000025, 10000027	Travis	120903010106, 120903010103	10000172, 10000216	LWC upgrade	3.5525	Riverine	34	00000307, 00000034, 00000258, 10001096, 10001202, 00003458	No	\$5,500,000		0.3121237	0	1	0	0	0	1		0.5069222	180.970459

Lower Colorado

FMP ID	Reduction in Flood Risk												Pre-Project Level of Service	Post-Project Level of Service	Cost/Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Yes/No)	Negative Impact Mitigation (Yes/No)	Social Vulnerability Index (svi)	Water Supply Benefit (Yes/No)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Yes/No)	Reason for Recommendation
	Number of structures with reduced 100yr Flood risk (1% annual chance)	Number of structures removed from 100yr Flood risk (1% annual chance)	Number of structures removed from 500yr Flood risk (0.2% annual chance)	Residential structures removed from 100yr Flood risk (1% annual chance)	Estimated Population removed from 100yr Flood risk (1% annual chance)	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
103000001	0	1	3	1	0	0	2						Unknown	Unknown			No		0.2900	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000002	0	0	0	0	0	0	1						Unknown	Unknown			No		0.2659	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000003	0	0	0	0	0	0	1						Unknown	Unknown			No			No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000004	0	0	0	0	0	0	1						Unknown	Unknown			No		0.3072	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000005	0	14	0	8	234	0	4						Unknown	Unknown			No		0.4186	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000006													Unknown	Unknown			No		0.2720	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000007													Unknown	Unknown			No		0.2720	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000008													Unknown	Unknown			No		0.1926	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000009													Unknown	Unknown			No		0.1542	No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000010													Unknown	Unknown			No		0.4682	No	0	Yes	Meets TWDB criteria and RFPG Goals	

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																	Area in 100yr Floodplain (1% annual chance)	Area in 500yr Floodplain (0.2% annual chance)	Estimated number of structures (100yr flood risk)	Residential structures (100yr flood risk)	Estimated Population (100yr flood risk)	Critical facilities (100yr flood risk, #)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)
103000011	10	Lower Colorado-Lavaca	Cameron Road Crossing Improvements	Six 50' span bridge, 1520 raise road, channel grading	10000025, 10000027	Travis	120702050403, 120702050404, 120903010106, 120903010102, 120903010103	10000172, 10000215, 10000216	LWC upgrade	23.8333	Riverine	34	00000307, 00000034, 00000258, 10001025, 10001079, 10001088, 10001096, 10001147, 10001173, 10001202, 00001302, 10001537, 10001799, 00001990, 10001991, 10002076, 10002170, 10002177, 00003458	No	\$3,100,000		3.1902945	1.0410676	130	54	250	0	2		4.3721008	1388.768555
103000012	10	Lower Colorado-Lavaca	McNeil Drainage Improvements	Drainage improvements and detention throughout the neighborhood to keep the roadway from overtopping during storm events and allowing residents to enter/exit the neighborhood	10000027	Travis	120902050307, 120702050402	10000356	Storm Drain	0.0565	Riverine	34	00000307, 00000034, 00000258, 00002700	No	\$13,300,000		0	0	0	0	0	0	1		0	0
103000013	10	Lower Colorado-Lavaca	Spicewood Springs Road Low Water Crossing #1	Bridge to replace undersized box culvert	10000027	Travis	120902050302, 120902050207, 120902050301, 120702050402	10000018, 10000502, 10000506	LWC upgrade	14.8633	Riverine	34	00000307, 00000034, 00000258, 00002700	No	\$4,550,000		0.5777855	0.0623942	10	8	13	0	7		1.6441938	282.5058899
103000019	10	Lower Colorado-Lavaca	Navidad River - Stem Branch Buyout	Navidad River property acquisition	10000023	Jackson	121001020206	10000516	Property Acquisition	0.0241	Riverine	10000098	00000264, 10000098, 10000292, 10000357, 10001009	No	\$200,000		0.000337	0.0003586	0	0	0	0	1		0	0.2156911
103000020	10	Lower Colorado-Lavaca	La Salle Buyout	There is a flood prone property at Site 5 - LaSalle RC&D that acquisition can mitigate the problem of repetitive flooding.	10000023	Jackson	121004020205, 121004020206	10000058, 10000059	Property Acquisition	0.4355	Riverine	10000098	00000264, 10000098, 10000292, 10000357, 10001009	No	\$200,000		0.0468883	0.0138661	2	1	2	0	0		0.0913891	27.6642685
103000021	10	Lower Colorado-Lavaca	Goat Trail Buyout	There is a flood prone property at Site 6 "Goat Trail" and acquisition can mitigate the problem of repetitive flooding.	10000023	Jackson	121001010403	10000361	Property Acquisition	0.0303	Riverine	10000098	00000264, 10000098, 10000292, 10000357, 10001009	No	\$200,000		0.0020244	0.0002065	0	0	0	0	0		0	1.2956331
103000022	10	Lower Colorado-Lavaca	County Road 106 Buyout	A flood prone property acquisition can mitigate the problem of repetitive flooding.	10000023	Jackson	121004020203	10000053	Property Acquisition	0.0626	Riverine	10000098	00000264, 00000094, 00000588, 10000098, 10000292, 10000357, 10001009	No	\$200,000		0.062559	0	2	0	0	0	0		0.1983807	35.2636299
103000023	10	Lower Colorado-Lavaca	Sandy Creek/Pecan Park Areas Buyout	Acquisition of property located in the floodway on Sandy Creek, Pecan Park area	10000021	Travis	120902050205, 120902050206	10000483, 10000486	Property Acquisition	0.0406	Riverine	10003455	00000307, 00000034, 00000258, 10003455	No	\$200,000		0.0195716	0.0026959	12	10	11	0	0		0.4807157	3.805366
103000024	10	Lower Colorado-Lavaca	Lake Travis/Cross Street Area Buyout	Acquisition of property located in floodplain of Lake Travis and Cross St Area	10000021	Travis	120902050206	10000486	Property Acquisition	0.0399	Riverine	10003455	00000307, 00000034, 00000258, 10003455	No	\$200,000		0.039609	0.0002738	18	18	27	0	0		0.4245353	12.7098036
103000025	10	Lower Colorado-Lavaca	Onion Creek Structure Elevation	Elevations of 15 at-risk homes in the 1% ACE at Arroyo Doble & Onion Creek Meadows	10000021	Travis	120902050406, 120902050405	10000524, 10000545	Property Elevation	0.0234	Riverine	34	00000307, 00000034, 00000258	No	\$2,650,000		0.0219507	0.0013986	19	19	28	0	0		0.1097793	7.7852063

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	Number of structures with reduced 100yr Flood risk (1% annual chance)	Number of structures removed from 100yr Flood risk (1% annual chance)	Number of structures removed from 500yr Flood risk (0.2% annual chance)	Residential structures removed from 100yr Flood risk (1% annual chance)	Estimated Population removed from 100yr Flood risk (1% annual chance)	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Pre-Project Level of Service										
103000011													Unknown	Unknown			No		0.1404	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000012													Unknown	Unknown			No		No	0	Yes	Meets TWDB criteria and RFPG Goals	
103000013													Unknown	Unknown			No		0.0837	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000019													Unknown	Unknown			No		0.6348	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000020													Unknown	Unknown			No		0.5582	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000021													Unknown	Unknown			No		0.5582	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000022													Unknown	Unknown			No		0.6348	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000023													Unknown	Unknown			No		0.1902	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000024													Unknown	Unknown			No		0.1873	No	0	Yes	Meets TWDB criteria and RFPG Goals
103000025													Unknown	Unknown			No		0.3316	No	1	Yes	Meets TWDB criteria and RFPG Goals

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																	Area in 100yr Floodplain (1% annual chance)	Area in 500yr Floodplain (0.2% annual chance)	Estimated number of structures (100yr flood risk)	Residential structures (100yr flood risk)	Estimated Population (100yr flood risk)	Critical facilities (100yr flood risk, #)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	
103000026	10	Lower Colorado-Lavaca	Bluff Springs Elevation	Elevation of 36 homes in the 1% ACE	10000021	Travis	120902050408	10000543	Property Elevation	0.1515	Riverine	34	00000307, 00000034, 00000258, 00002700	No	\$6,600,000		0.1480167	0.0028201	94	73	118	0	0		0.5876362	31.8678474	
103000027	10	Lower Colorado-Lavaca	Onion Creek Meadows Elevation	Elevations of 6 at-risk homes in the 1% ACE	10000021	Travis	120902050405	10000545	Property Elevation	0.0071	Riverine	34	00000307, 00000034, 00000258	No	\$845,000		0	0	0	0	0	0	0	0		0	0
103000028	10	Lower Colorado-Lavaca	Thoroughbred Farm Buyout	Buyouts of 20 at-risk homes in the 1% ACE	10000021	Travis	120903010109	10000235	Property Acquisition	0.0124	Riverine	34	00000307, 00000034, 00000258	No	\$3,800,000		0.0123539	0.0000032	29	22	58	0	0		0.1551688	5.3294053	
103000029	10	Lower Colorado-Lavaca	Twin Creeks Buyouts	Buyout of 1 at-risk home in the 1% ACE	10000021	Travis	120902050407	10000548	Property Acquisition	0.0011	Riverine	34	00000307, 00000034, 00000258	No	\$200,000		0	0	0	0	0	0	0	0		0	0
103000030	10	Lower Colorado-Lavaca	Hays County Buyout	Action to mitigate 38 identified properties	10000021	Hays	120902050303, 120902050406, 120902050401, 120902050403, 120902050402, 120902050404, 120902050405, 120902050407, 120902060306, 120902060307, 121002030205, 121002030401, 121002030105, 121002030201, 121002030202, 121002030204, 121002030402, 121002030403, 120903010301	10000064, 10000134, 10000246, 10000519, 10000524, 10000537, 10000539, 10000542, 10000544, 10000545, 10000548	Property Acquisition	676.0394	Riverine	26	00000307, 00000034, 00000258, 00002700	No	\$15,000,000		19.6908989	2.364749	581	377	1745	0	0		15.6088514	11874.71191	
103000014	10	Lower Colorado-Lavaca	Arroyo Doble/Twin Creeks Drainage Phase 3-7 Drainage System	Construct subdivision drainage improvements as identified in the 2009 Drainage Basin Study, and make drainage improvements to the adjacent Bethel Church Road, Polk Road, and Wirth Road. Design funds approved in FY17 CO's	10000027	Travis	120902050406, 120902050407	10000524, 10000548	LWC upgrade	0.2759	Riverine	34	00000307, 00000034, 00000258	No	\$5,626,000		0.0073222	0.00581	1	0	0	0	10	0		4.371645	
103000015	10	Lower Colorado-Lavaca	Dalton Lane Crossing Improvements	This project will upgrade the two low water crossings to improve public safety and reduce road closures during small, frequent storm events.	10000025	Travis	120902050306, 120902050408, 120902050409	10000355, 10000543, 10000549	LWC upgrade	2.2938	Riverine	2700	00000307, 00000034, 00000258, 00002700	No	\$13,000,000		0.3267873	0.0388497	31	12	48	0	3		3.1300454	72.6931381	
103000016	10	Lower Colorado-Lavaca	Highland Hills Crossing Improvements	This project will upgrade the low crossing to reduce the frequency and depth of inundation and improve public safety.	10000026	Travis	120902050302, 120902050305, 120902050306	10000018, 10000287, 10000355	LWC upgrade	0.4671	Riverine	34	00000307, 00000034, 00000258, 00002700	No	\$1,000,000		0.0056086	0.0005681	3	3	8	0	1		0.0232429	1.2889661	

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	Number of structures with reduced 100yr Flood risk (1% annual chance)	Number of structures removed from 100yr Flood risk (1% annual chance)	Number of structures removed from 500yr Flood risk (0.2% annual chance)	Residential structures removed from 100yr Flood risk (1% annual chance)	Estimated Population removed from 100yr Flood risk (1% annual chance)	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)											Pre-Project Level of Service
103000026												Unknown	Unknown			No		0.5140	No		1.03	Yes	Meets TWDB criteria and RFPG Goals
103000027												Unknown	Unknown			No			No		1.51	Yes	Meets TWDB criteria and RFPG Goals
103000028												Unknown	Unknown			No		0.6169	No		1.48	Yes	Meets TWDB criteria and RFPG Goals
103000029												Unknown	Unknown			No			No		0	Yes	Meets TWDB criteria and RFPG Goals
103000030												Unknown	Unknown			No		0.1359	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000014												Unknown	Unknown			No		0.3092	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000015												Unknown	Unknown			No		0.7435	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000016												Unknown	Unknown			No		0.1809	No		0	Yes	Meets TWDB criteria and RFPG Goals

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																	Area in 100yr Floodplain (1% annual chance)	Area in 500yr Floodplain (0.2% annual chance)	Estimated number of structures (100yr flood risk)	Residential structures (100yr flood risk)	Estimated Population (100yr flood risk)	Critical facilities (100yr flood risk, #)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	
103000017	10	Lower Colorado-Lavaca	Shoal Creek - Nueces St Flood Risk Reduction Project	The project includes the construction of approximately 15,980 linear feet of upgraded storm drain pipe and numerous new storm drain inlets throughout the area	10000027	Travis	120902050302, 120902050305, 120902050306, 120902050307	10000018, 10000287, 10000355, 10000356	LWC upgrade	13.2190	Riverine	2700	00000307, 00000034, 00000258, 00002700	No	\$43,000,000		0.8463371	0.3235874	653	464	20710	0	12		13.9594984	51.672863	
103000018	10	Lower Colorado-Lavaca	Waller Creek - Guadalupe St Flood Risk Reduction Project	The project intends to upgrade 28,000 linear feet of subsurface stormwater drains east of Guadalupe Street and west of Avenue G, between 33rd and 46th streets.	10000028	Travis	120902050306, 120902050307	10000355, 10000356	Storm Drain	2.7075	Riverine	2700	00000307, 00000034, 00000258, 00002700	No	\$85,000,000		0.1221944	0.0328099	207	179	1520	0	5		2.580807	0.4146664	
103000033	10	Lower Colorado-Lavaca	S Bowie Low Water Crossing - Flood Warning System	Install FEWS with automatic gates & flashers	10000004	Gillespie	120902010301, 120902060108, 120902060110, 120902060201	10000089, 10000106, 10000123, 10000248	Preparedness	17.6712	Riverine	10002910	00000307, 00000255, 00000030, 00001401, 10002910	No	\$25,000		0.9701959	0.3240738	30	18	54	0	1		0.4192964	575.3589478	
103000035	10	Lower Colorado-Lavaca	Creek St at Barons Creek - Flood Warning System	Install FEWS with automatic gates & flashers	10000004	Gillespie	120902060110	10000106	Preparedness	0.0119	Riverine	10002910	00000307, 00000255, 00000030, 00001401, 10002910	No	\$25,000		0.0044608	0.0010387	4	4	5	0	1		0	0	
103000036	10	Lower Colorado-Lavaca	Highway St Improvements	Vegetated channel system with two 10' x 4' box culverts in storm drain system to Baron Creek	10000025	Gillespie	120902060110, 120902060109	10000106, 10000239	Channel	0.0848	Riverine	10002910	00000307, 00000255, 00000030, 00001401, 10002910	No	\$250,000		0	0	0	0	0	0	0	1		0	0
103000037	10	Lower Colorado-Lavaca	Lady Bird Golf Course Low Water Crossing - Flood Warning System	Install FEWS with automatic gates & flashers	10000004	Gillespie	120902060108	10000089	Preparedness	0.0018	Riverine	10002910	00000307, 00000255, 00000030, 00001401, 10002910	No	\$25,000		0.0018068	0	0	0	0	0	0	1		0.0764345	0.1241884
103000038	10	Lower Colorado-Lavaca	W Travis Low Water Crossing - Flood Warning System	Install FEWS with automatic gates & flashers	10000004	Gillespie	120902060110	10000106	Preparedness	0.0002	Riverine	10002910	00000307, 00000255, 00000030, 00001401, 10002910	No	\$25,000		0.0001655	0.0000197	0	0	0	0	0	1		0.0203662	0
103000040	10	Lower Colorado-Lavaca	Red Bud Trail - Flood Warning System	Install automatic warning system for Ullrich Water Treatment Plant	10000004	Travis	120902050305	10000287	Preparedness	0.0570	Riverine	10003460	00000307, 00000034, 00000258, 00002700, 10001283	No	\$25,000		0.0000311	0	0	0	0	0	0	0		0	0
103000041	10	Lower Colorado-Lavaca	Davitt St Water Plant Backup Generator	Retrofit plant with backup generator	10000004	Colorado	120903020106		Preparedness	0.0031	Riverine	10003069	00000307, 00000034, 00000258, 00002700	No	\$750,000		0	0.0027069	0	0	0	0	0	0		0	0
103000042	10	Lower Colorado-Lavaca	City of Burnet Veterans of Foreign Wars Backup Generator	Emergency generator for VFW	10000004	Fort Bend	120904010203	10000275	Preparedness	0.0003	Riverine	3107	00000009, 00000266, 00002044, 00002921	No	\$80,000		0	0	0	0	0	0	0	0		0	0
103000044	10	Lower Colorado-Lavaca	Emergency Management System Backup Generators	Purchase/install 30 kW generator to maintain government	10000004	Jackson	121001010402	10000347	Preparedness	0.0007	Riverine	10002696	00000264, 10000098, 10000292, 10000357, 10001009, 10002696	No	\$80,000		0	0	0	0	0	0	0	0		0	0
103000043	10	Lower Colorado-Lavaca	Beasley City Fire Department Backup Generator	Emergency generator for Fire Department	10000004	Fort Bend	120904010203	10000275	Preparedness	0.0031	Riverine	2921	00000009, 00000266, 00002044, 00002921	No	\$80,000		0	0	0	0	0	0	0	0		0	0
103000045	10	Lower Colorado-Lavaca	City of Edna Safe Room Backup Generator	Purchase/install 100 kW generator to for Community Safe Room (triage center)	10000004	Jackson	121001010402, 121001010403, 121001020501	10000304, 10000347, 10000361	Preparedness	4.0647	Riverine	10002696	00000264, 10000098, 10000292, 10000357, 10001009, 10002696	No	\$80,000		1.5625664	0.2285552	1223	1010	2503	0	0		26.2555962	137.2613831	

FMP ID	Reduction in Flood Risk													Cost/ Structure removed	Percent Nature- based Solution (by cost)	Negative Impact (Yes/No)	Negative Impact Mitigation (Yes/No)	Social Vulnerability Index (SVI)	Water Supply Benefit (Yes/No)	Traffic Count for Low Water Crossings	Benefit- Cost Ratio	RFPG Recommendation (Yes/No)	Reason for Recommendation	
	Number of structures with reduced 100yr Flood risk (1% annual chance)	Number of structures removed from 100yr Flood risk (1% annual chance)	Number of structures removed from 500yr Flood risk (0.2% annual chance)	Residential structures removed from 100yr Flood risk (1% annual chance)	Estimated Population removed from 100yr Flood risk (1% annual chance)	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Pre-Project Level of Service											Post- Project Level of Service
103000017													Unknown	Unknown			No		0.1167	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000018													Unknown	Unknown			No		0.1688	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000033																	No		0.3777	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000035																	No		0.3802	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000036																	No			No		0	Yes	Meets TWDB criteria and RFPG Goals
103000037																	No		0.2078	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000038																	No			No		0	Yes	Meets TWDB criteria and RFPG Goals
103000040																	No			No		0	Yes	Meets TWDB criteria and RFPG Goals
103000041																	No		0.7060	No		0	Yes	Meets TWDB criteria and RFPG Goals
103000042																	No			No		0	Yes	Meets TWDB criteria and RFPG Goals
103000044																	No			No		0	Yes	Meets TWDB criteria and RFPG Goals
103000043																	No			No		0	Yes	Meets TWDB criteria and RFPG Goals
103000045																	No		0.6070	No		0	Yes	Meets TWDB criteria and RFPG Goals

FMP ID	RFPG Number	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Yes/No)	Estimated Project Cost (\$)	Potential Funding (Sources and Amount)	Flood Risk									
																	Area in 100yr Floodplain (1% annual chance)	Area in 500yr Floodplain (0.2% annual chance)	Estimated number of structures (100yr flood risk)	Residential structures (100yr flood risk)	Estimated Population (100yr flood risk)	Critical facilities (100yr flood risk, #)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)
103000046	10	Lower Colorado-Lavaca	City of Edna Sewer Lift Station Backup Generator	Purchase/install 30 kW generator to maintain WWTP	10000004	Jackson	121001010402	10000347	Preparedness	0.0047	Riverine	10002696	00000264, 10000098, 10000292, 10000357, 10001009, 10002696	No	\$80,000		0.0020889	0.0026098	1	0	2	0	0	0	0	0
103000047	10	Lower Colorado-Lavaca	City of Ganado Sewer Lift Station Backup Generator	Emergency generators for sewer lift stations	10000004	Jackson	121001020502	10000305	Preparedness	1.1198	Riverine	10002698	00000264, 10000098, 10000292, 10000357, 10001009, 10002698	No	\$80,000		0.0952976	0.0459839	28	17	79	0	0	0.4246543	27.7280598	
103000048	10	Lower Colorado-Lavaca	Jackson County Courthouse Backup Generator	Purchase generator for courthouse	10000004	Jackson	121001010402	10000347	Preparedness	0.0020	Riverine	10000098	00000264, 10000098, 10000292, 10000357, 10001009, 10002696	No	\$80,000		0	0	0	0	0	0	0	0	0	0
103000049	10	Lower Colorado-Lavaca	City of Boerne Backup Generator	Purchase generators in courthouse and fire stations	10000004	Kendall	120902060203, 120902060204, 120902060207, 120902060107, 120902060109, 121002010210, 121002010301, 121002010304, 121002030102, 121002030101	10000160, 10000171, 10000193, 10000231, 10000239	Preparedness	660.5064	Riverine	17	00000307, 00000022, 00000255, 00000017, 00000030, 00000031, 00000258, 00001401	No	\$370,000		1.026795	0.2248122	1	0	0	0	0	0.2131324	637.3353271	
103000050	10	Lower Colorado-Lavaca	City of Edna Hospital Backup Generator	Purchase permanent back-up generator for hospital	10000004	Jackson	121001010402	10000347	Preparedness	0.0263	Riverine	10002696	00000264, 10000098, 10000292, 10000357, 10001009, 10002696	No	\$450,000		0.0100236	0.0013996	3	0	5	0	0	0	0	0
103000051	10	Lower Colorado-Lavaca	Various Streets - Flood Warning System	Purchase flood early warning system	10000004	Menard	120901090408, 120901090407, 120901090502	10000078, 10000292, 10000302	Preparedness	2.1888	Riverine	10002764	00000261, 00000307, 00000050, 10000947, 10002764	No	\$250,000		0.9306434	0.0328497	518	372	971	0	11	13.9322128	243.2710571	
103000052	10	Lower Colorado-Lavaca	Jonestown Flood Warning System	Floodplain early warning system and local response plan	10000004	Travis	120902050205, 120902050206	10000483, 10000486	Preparedness	7.5495	Riverine	10003455	00000307, 00000034, 00000258, 10001845, 10002016, 10002315, 10002612, 10003455	No	\$50,000		1.9925979	0.1550328	322	256	235	0	2	2.4765303	422.68573	
103000053	10	Lower Colorado-Lavaca	City of Briarcliff WWTP Backup Generator	Purchase stand-by generator for WWTP	10000004	Travis	120902050301	10000506	Preparedness	0.0030	Riverine	10003188	00000307, 00000034, 00000258, 10001127	No	\$750,000		0.2417626	0.014346	17	7	14	0	0	1.0524417	133.9006805	
103000032	10	Lower Colorado-Lavaca	Walnut Creek Wastewater Treatment Plant Flood Wall	Structural flood mitigation measures to protect WWTP	10000025	Travis	120902050307	10000356	Flood Walls and Levees	0.1904	Riverine	2700	00000307, 00000034, 00000258, 00002700	No	\$35,000,000		0.0424655	0.0529286	1	0	0	0	0	0	6.3389463	
103000034	10	Lower Colorado-Lavaca	8 Low Water Crossings - Flood Warning System	Install flood warning signals at 8 identified low water crossings that frequently overtop. Additional flow gauge installments.	10000004	Burnet	120902050101, 120902050102, 120902050103, 120902050106	10000104, 10000352, 10000353, 10000366	Preparedness	15.7738	Riverine	10003109	00000307, 00000258, 00000049, 10003109, 10003110	No	\$200,000		2.1909516	0.2760671	410	278	2265	0	27	10.025897	596.2091675	
103000039	10	Lower Colorado-Lavaca	Windmill Oaks Subdivision - Flood Warning System	FNI proposes to install FEWS with automatic gates & flashers	10000004	Gillespie	120902060109	10000239	Preparedness	0.0009	Riverine	10002910	00000307, 00000255, 00000030, 00001401, 10002910	No	\$25,000		0	0	0	0	0	0	1	0	0	0
103000031	10	Lower Colorado-Lavaca	South Austin Regional WWTP / Sand Hill Energy Center Flood Reduction	Structural flood mitigation measures to protect WWTP	10000025	Travis			Flood Walls and Levees	0.3847	Riverine	2700	00000307, 00000034, 00000258, 00002700	No	\$115,000,000		0.3503929	0.0342733	56	0	413	0	0	0	130.3304749	
103000053	10	Lower Colorado-Lavaca	City of Briarcliff WWTP Backup Generator	Purchase stand-by generator for WWTP	10000004	Jackson	121004010200, 121004010100	10000028, 10000029	Preparedness	0.0030	Riverine	10003188	10000098, 00000264, 10000292, 10000357, 10001009, 10002705	No	\$750,000		0.2417626	0.014346	17	7	14	0	0	1.0524417	133.9006805	

FMP ID	Reduction in Flood Risk														Cost/ Structure removed	Percent Nature- based Solution (by cost)	Negative Impact (Yes/No)	Negative Impact Mitigation (Yes/No)	Social Vulnerability Index (svi)	Water Supply Benefit (Yes/No)	Traffic Count for Low Water Crossings	Benefit- Cost Ratio	RFPG Recommendation (Yes/No)	Reason for Recommendation
	Number of structures with reduced 100yr Flood risk (1% annual chance)	Number of structures removed from 100yr Flood risk (1% annual chance)	Number of structures removed from 500yr Flood risk (0.2% annual chance)	Residential structures removed from 100yr Flood risk (1% annual chance)	Estimated Population removed from 100yr Flood risk (1% annual chance)	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Pre-Project Level of Service	Post- Project Level of Service										
103000046																No		0.6348	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000047																No		0.5125	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000048																No			No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000049																No		0.4479	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000050																No		0.5582	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000051																No		0.5405	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000052																No		0.1875	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000053																No		0.5125	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000032																No		0.7895	No		8	Yes	Meets TWDB criteria and RFPG Goals	
103000034																No		0.6626	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000039																No			No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000031																No		0.5406	No		0	Yes	Meets TWDB criteria and RFPG Goals	
103000053																No		0.5125	No		0	Yes	Meets TWDB criteria and RFPG Goals	