

Appendix A.8
Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watersheds	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Flood Risk										FMP ID	
																	Area in 100yr (1% annual chance) Fldpln	Area in 500yr (0.2% annual chance) Fldpln	Est number of structures at 100yr flood risk	Habitable struct at flood risk	Est Popul at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Est number of road closures (#)	Est length of roads at flood risk (Miles)	Est active farm & ranch land at flood risk (acres)		
133000005	13	Nueces	Jourdanton Drainage and Regional Detention Improvements, from SH-16 to Marion Road	Multiple detention ponds, proposed drainage channel, box culverts improvements near Main St and Terrel Ave, Jourdanton	13000013	Atascosa	121101100402	13000427	Channel	0.11	Riverine, Urban,	13003116	00000096,00000255,00000290,13003116,13003452	Y	\$ 2,182,000.00	-	0.02	0.00	9	9	27	0	6	8	0.4	0.2	133000005	
133000006	13	Nueces	Rutledge Hollow Creek Tributary Regional Detention Pond Improvements	Proposed 15ac-ft detention pond in downtown Poteet, located at property owned by the City at corner of Avenue B and Kelly St. Pond outlet pipe is 24-inch diameter and it connects the pond to the Rutledge Hollow Creek tributary by passing under Avenue C.	13000013	Atascosa	121101100203	13000416	Detention Pond	0.14	Riverine,	13003118	00000096,00000255,00000290,13003118,13003452	N	\$ 1,132,000.00	-	0.01	0.00	438	376	1748	0	0	6	0.2	0.0	133000006	
133000007	13	Nueces	City of Benavides Las Animas Conveyance Infrastructure	4,000 linear feet, Clear out creek channel and upsue culverts to six 5-ft by 3-ft boxes.	13000001,13000013	Duval	121102040102	13000489	LWC upgrade	0.01	Riverine,	13003410	13000079,00000260,13001666,13003410,13003452	N	\$ 5,214,000.00	-	0.00	0.00	0	0	0	0	2	2	0.0	0.0	133000007	
133000008	13	Nueces	City of Benavides Main City Network Storm Drain Improvements	Clean filled-in trench drain and outfall channel, upsue existing pipes (7,900 linear feet), 12 new inlets.	13000001,13000013	Duval	121102040103,121102040102	13000484,13000489	Storm Drain	0.3	Urban,	13003410	13000079,00000260,13001666,13003410,13003452	N	\$ 8,617,000.00	-	0.04	0.00	49	46	168	0	0	14	0.9	0.2	133000008	
133000009	13	Nueces	CR 1520 / Tehuacana Rd. Drainage Improvements (Frio County Project #8)	Drainage Study PS&E. Existing 36" CMP culvert lacks capacity to convey a 1 yr storm peak discharge across CR 1520. Proposed solution of 12 - 42" x 30' RCPs and raising the roadway profile by approximately 1' in the structure vicinity.	13000001	Frio	121101070207	13000335	LWC upgrade	0.01	Riverine, Urban,	13000093	13000093,00000255,00000290,13003452	N	\$ 1,000,000.00	-	0.0060979	0	0	0	0	0	1	1	2	6500	133000009	
133000010	13	Nueces	FH#1.1: Regional detention pond in Davila Street Tributary	Regional detention pond in Davila Street Tributary.	13000013	Frio	121101061204	13000293	Detention Pond	0.02	Urban,	13003230	13000093,00000255,00000290,13003230,13003452	N	\$ 2,129,000.00	-	0.0177893	0	213	197	751	0	0	8	0.600494	0	133000010	
133000011	13	Nueces	FH#2.1: Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road	Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road.	13000013	Frio	121101061204	13000293	Storm Drain	0.06	Urban,	13003230	13000093,00000255,00000290,13003230,13003452	N	\$ 8,724,000.00	-	0.0433225	0	213	197	751	0	0	17	1.8202668	0	133000011	
133000012	13	Nueces	FH#2.2: Detention ponds in the Pearsall High School Grounds	Detention ponds in the Pearsall High School Grounds.	13000013	Frio	121101061204	13000293	Detention Pond	0.01		13003230	13000093,00000255,00000290,13003230,13003452	N	\$ 1,163,000.00	-	0.0067135	0	213	197	751	0	0	0	0	0	0	133000012
133000013	13	Nueces	FH#3.1: Channel lining and conveyance improvements along FM 1581	Channel lining and conveyance improvements along FM 1581.	13000013	Frio	121101061204	13000293	Channel	0.02	Urban,	13003230	13000093,00000255,00000290,13003230,13003452	N	\$ 2,258,000.00	-	0.0198002	0	213	197	751	0	0	5	0.8197488	0.9028748	133000013	
133000014	13	Nueces	Downtown Crystal City Regional Detention Pond Improvements	Two proposed detention ponds and a 24" outfall system was used to mitigate the flooding issues in downtown Crystal City	13000013	Zavala	121101040605	13000167	Detention Pond	0.11	Riverine, Urban,	13003432	13000092,00000268,00000290,13003432,13003452	N	\$ 3,006,000.00	-	0.0337984	0	279	261	963	0	0	9	0.9828042	0	133000014	
133000015	13	Nueces	Burnt Boot Creek Drainage Improvements from Route 132 to Colonial Parkway	Two-phase project to improve drainage at Burnt Boot Creek in Devine, TX, including detention ponds and/or channel upsizing.	13000013	Medina	121101090103	13000380	Channel	0.02	Riverine,	13003378	00000005,00000255,00000290,13003378,13003452	N	\$ 12,635,000.00	-	0.0244287	0	586	564	1912	0	8	6	0.1015838	0	133000015	
133000016	13	Nueces	Kinney St. Pump Station Inlet Modifications	It is recommended that modifications be made to increase the size and capacity of the inlet to the Kinney Street Pump Station to improve its hydraulic efficiency.	13000013	Nueces	121102020200,121102020106,121102020107	13000608,13000609,13000615,13000618,13000619,13000620,13000621,13000622,13000623	Infrastructure	0.54	Riverine, Coastal, Urban, Other,	13002900	13000078,00000260,00000290,13000409,13001739,13002900,13003452	Y	\$ 500,000.00	Type A Board Sales Tax -	0.077705	0	63	6	5358	1	0	0	3.013833	0.02688	133000016	

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FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Watersheds	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Flood Risk										FMP ID
																	Area in 100yr (1% annual chance) Fldpln	Area in 500yr (0.2% annual chance) Fldpln	Est number of structures at 100yr flood risk	Habitable struct at flood risk	Est Popul at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Est number of road closures (#)	Est length of roads at flood risk (Miles)	Est active farm & ranch land at flood risk (acres)	
133000017	13	Nueces	Power St. Pump Station Improvements	Improvements to the inlet of Power Street Power Station will improve upstream drainage hydraulics throughout the basin. It is proposed to widen the inlet as much as possible to reduce head loss at the Power Station Inlet.	13000013	Nueces	121102020200,121102020106,121102020107	13000608,13000609,13000615,13000618,13000619,13000620,13000621,13000622,13000623	Infrastructure	0.54	Riverine, Coastal, Urban, Playa, Other,	13002900	13000078,00000260,0000290,13000409,13001739,13002900,13003452	Y	\$ 875,000.00	Type A Board Sales Tax -	0.077705	0	63	6	5358	1	0	0	3.013833	0.02688	133000017
133000018	13	Nueces	Risk Area 06 - Agua Dulce	Excessive runoff passing over CO Rd 105 further inundates the town of Agua Dulce. Both detention and channel improvements will be needed.	13000013	Nueces, Jim Wells	121102050506,121102050602	13000532,13000561	Infrastructure	4.21	Riverine, Urban,	13002546	13000078,13000080,0000260,0000290,13000409,13000779,13002546,13003452	Y	\$ 93,479,760.00	-	2.7323279	0	215	191	813	1	0	28	8.810256	1428.5555	133000018
133000019	13	Nueces	Risk Area 05 - Banquete	Water backs up along several roadways and causes significant flooding in the area. Restricted flow at several structures within the area causes overflow into Banquete Creek.	13000013	Nueces	121102050506,121102050601	13000532,13000553	Infrastructure	4.51	Riverine, Urban,	13003454	13000078,00000260,0000290,13000409,13000779,13000940,13000980,13003452,13003454	Y	\$ 64,693,200.00	-	2.1110344	0	178	148	744	22	0	25	5.1255145	1055.4982	133000019
133000020	13	Nueces	Risk Area 07 - La Paloma Ranch	Ponding at intersect of La Paloma and CR 18 and buried culvert at intersect of La Paloma and CR 93. At a culvert crossing with creek B-17 & CR 93, flow overtops the road cutting off main route that connects La Paloma with FM 665.	13000013	Nueces	121102050604,121102050602	13000558,13000561	Infrastructure	7.17	Urban,	13002388	13000078,00000260,0000290,13000409,13000779,13003452	Y	\$ 23,031,510.00	-	4.3363781	0	13	13	39	4	0	7	1.5585934	2643.0698	133000020
133000021	13	Nueces	Risk Area 26 - Balchuck Ln & Digger Ln	Many drainage issues from recent development and runoff from nearby streams cause flooding in the residential areas.	13000013	Nueces	121102020105,121102020103	13000612,13000614	Infrastructure	1.44	Riverine, Urban,	13002900	13000078,00000260,0000290,13000409,13002900,13003452	Y	\$ 19,160,010.00	-	0.7361056	0	57	57	171	0	0	3	1.391217	403.61954	133000021
133000022	13	Nueces	Risk Area 27 - Nottingham Acres	Flows flooding Loxley Dr come from the open field W of the neighborhood and have limited existing drainage infrastructure. Runoff attempts to flow E but ponds up due to existing terrain.	13000013	Nueces	121102020104,121102020105,121102020103	13000610,13000612,13000614	Infrastructure	5.23	Riverine, Urban,	13002900	13000078,00000260,0000290,13000409,13002900,13003452	Y	\$ 49,134,992.00	-	1.736678	0	67	54	292	7	1	4	1.1771747	1002.9603	133000022
133000023	13	Nueces	Risk Area 28 - South Prairie Estates	S Prairie Rd and Rabbit run are inundated by runoff from surrounding areas.	13000013	Nueces	121102020104,121102020105,121102020103	13000610,13000612,13000614	Infrastructure	6.1	Riverine, Urban,	13002900	13000078,00000260,0000290,13000409,13002900,13003452	Y	\$ 34,515,512.00	-	3.185009	0	32	31	103	29	2	8	1.4983708	1717.0046	133000023
133000024	13	Nueces	Risk Area 19 - Driscoll	Initially water flows from Driscoll from S to N, flowing into Petronilla Creek. Petronilla Creek eventually flows N to S through Driscoll. Petronilla splits W around Driscoll and through Driscoll heading E over Highway 77.	13000013	Nueces	121102050604,121102050603	13000558,13000560	Infrastructure	7.09	Riverine, Urban,	13002389	13000078,00000260,0000290,13000384,13000409,13000779,13000940,13002389,13003452	Y	\$ 73,965,664.00	-	4.0539212	0	311	242	1416	15	0	47	7.7870903	2102.0093	133000024
133000025	13	Nueces	Risk Area 11 - Calicoate Farms	Runoff collects and passes over the area near the CO Rd 44 and FM 1694 intersection and surrounding structures before making it's way to Oso Creek and Ditch A to Oso Creek.	13000013	Nueces	121102020102	13000613	Infrastructure	4.08	Riverine, Urban,	13002392	13000078,00000260,0000290,13000409,13000940,13000982,13002392,13002900,13003452	Y	\$ 6,056,940.00	-	2.0726213	0	46	46	138	21	0	13	0.5	1118.5461	133000025
133000026	13	Nueces	Risk Area 20 - Fiesta Ranch	The area is initially flooded through local runoff. Eventually flooding and backwater from Petronilla creek further inundates the area.	13000013	Nueces	121102050605,121102050604,121102050801	13000557,13000558,13000565	Infrastructure	6.71	Riverine, Urban,	13002392	13000078,00000260,0000290,13000384,13000409,13000779,13003452	Y	\$ 35,398,560.00	-	3.676182	0	69	68	214	2	0	11	6.1953883	2134.4617	133000026
133000027	13	Nueces	Risk Area 03 - Indian Trails	First peak of flooding primarily due to ponding and local drainage within Indian Trails subdivision. Second peak of flooding primarily due to stream flooding reaching the risk area with flow block by portions of FM 1833 and FM 666.	13000013	Nueces	121101110704,121102050506	13000463,13000532	Infrastructure	5.04	Riverine, Urban,	13002392	13000078,00000260,0000290,13000409,13000779,13003452	Y	\$ 33,392,340.00	-	2.9159145	0	51	50	160	8	0	6	1.8147951	1563.4366	133000027
133000028	13	Nueces	Risk Area 01 - Ranch and Cyndie Park	Localized flooding begins in neighborhood and worsens as Quinta Creek flows through the low-lying area the neighborhood sits in.	13000013	Nueces	121101110704,121102050506,121102050505	13000463,13000532,13000547	Infrastructure	7.23	Riverine, Urban,	13002392	13000078,00000260,0000290,13000409,13003452	Y	\$ 421,681,184.00	-	5.3920851	0	104	104	312	4	0	14	7.6540308	2334.8569	133000028
133000029	13	Nueces	Risk Area 04 - Ranch Banquete	Once runoff clears, flow backwaters into neighborhood due to stream confluence and a downstream bridge acting as a choke point.	13000013	Nueces	121102050506	13000532	Infrastructure	2.58	Riverine, Urban,	13002392	13000078,00000260,0000290,13000409,13000779,13003452	Y	\$ 55,453,800.00	-	0.965917	0	95	95	285	4	0	8	0.4626977	286.0787	133000029

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																	Area in 100yr (1% annual chance) Fldpln	Area in 500yr (0.2% annual chance) Fldpln	Est number of structures at 100yr flood risk	Habitable struct at flood risk	Est Popul at flood risk	Critical facilities at flood risk (#)	Number of low water crossings at flood risk (#)	Est number of road closures (#)	Est length of roads at flood risk (Miles)	Est active farm & ranch land at flood risk (acres)		
133000030	13	Nueces	Robstown Various Drainage Improvements (FH#8,10,12)	Project consists of city wide drainage improvements to West, East, and North sections of Robstown, to include regional detention facilities and channel / culvert improvements.	13000013	Nueces	121101110705,121101110707,121102050601,121102050604,121102050606,121102050603,121102050608,121102050607,121102020101,121102020102,121102020103	13000447,13000448,13000553,13000558,13000559,13000560,13000562,13000563,13000611,13000613,13000614	Infrastructure	132	Riverine, Coastal, Urban,	13002392	13000078,00000260,0000290,13000409,13000779,13000940,13000982,13002390,13002392,13002900,13003452	Y	\$ 56,307,272.00	-	66.826607	22.386492	3643	3597	11251	189	1	0	67.696655	37184.672	133000030	
133000031	13	Nueces	City of Gregory Citywide Stormwater Drainage Improvements	Includes ditch improvements for Southwest Outfall and the Southside Diversion, swale and culvert improvements on Black Welder Street, and drainage improvements along HWY 181 Frontage Rd, HWY 35, S. Gregory, and FM 3284.	13000013	San Patricio	121004070403,121102010003,121004050203,121004050204	13000043,13000481,13000594,13000596	Infrastructure	5.64	Riverine, Coastal, Urban,	13002558	13000081,00000260,0000290,13000409,13000585,13000586,13002558,13003233,13003452	Y	\$ 25,079,000.00	-	2.0529549	0	470	425	871	20	0	0	4.7563891	936.36096	133000031	
133000033	13	Nueces	Odem Citywide Stormwater Drainage Improvements	Includes ditch regrading along Borden St, expansion of Peters Swale, improvements to Owl Square Ditch and addition of subsurface detention, and drainage system improvements and expansion for Cooper Rd drainage system.	13000013	San Patricio	121004070301,121004070302,121102010001	13000030,13000031,13000479	Infrastructure	7.47	Riverine, Coastal, Urban,	13003412	13000081,00000260,0000290,13000409,13000585,13000586,13003412,13003452	Y	\$ 25,210,000.00	-	1.8223521	0	137	101	258	6	0	0	3.9464481	838.28992	133000033	
133000035	13	Nueces	Citywide Stormwater Drainage Improvements - Sinton	Includes drainage improvements for West Sinton, N Vineyard Ave, RR ditches, E Sinton St and S Bowie St, S Pirate Blvd, S Sodville Ave, and Rancho Chica.	13000013	San Patricio	121004070302,121004070304	13000031,13000046	Infrastructure	7.39	Riverine, Urban,	13002864	13000081,00000260,0000290,13000409,13000585,13002864,13003452	Y	\$ 103,190,000.00	-	2.005466	0	1266	1059	2597	5	0	0	8.5975246	246.98688	133000035	
133000037	13	Nueces	Citywide Stormwater Drainage Improvements - Taft	Ditch improvements along Compress Rd, Industrial St, and in Taft Southwest subdivision, upsized stormsewer on Reynolds Ave and Kirkpatrick St, new stormsewer on Gregory Ave, Pecan St, Walnut St, Ave A, Ave C, Harding St, and Victoria Ave.	13000013	San Patricio	121004070403,121004070305	13000043,13000044	Infrastructure	5.32	Riverine, Coastal, Urban,	13002882	13000081,00000260,0000290,13000409,13000585,13000586,13002882,13003452	Y	\$ 32,942,000.00	-	2.5945439	0	848	743	1933	0	1	0	5.5463672	1100.6412	133000037	
133000038	13	Nueces	Old Frio City Road at North Prong Creek Bridge	This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, and adding a bridge.	13000013	Bexar	121101100101	13000405	LWC upgrade	0.01	Riverine,	00000007	00000007,00000255,0000282,13003452	N	\$ 3,018,000.00	-	0.005582	0	0	0	0	0	0	1	36	1	0	133000038

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FMP ID	RFPG No.	RFPG Name	FMP Name	Description	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 (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation		
					Number of struct with reduced 100yr (1% annual chance) Flood risk	Number of struct removed from 100yr (1% annual chance) Flood risk	Number of struct removed from 500yr (0.2% annual chance) Flood risk	Habitable struct removed from 100yr (1% annual chance) Flood risk	Est Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Est reduction in road closure occurrences	Est length of roads removed from 100yr flood risk (Miles)	Est active farm & ranch land removed from 100yr flood risk (acres)												Est reduction in fatalities (if available)	Est reduction in injuries (if available)
133000005	13	Nueces	Jourdanton Drainage and Regional Detention Improvements, from SH-16 to Marion Road	Multiple detention ponds, proposed drainage channel, box culverts improvements near Main St and Terrel Ave, Jourdanton	8	1	0	1	3	0	2	1	0	0.141616404	0	0	<100	100	2182000	30	N		N	211	0.699999988	Y	Yes, High Risk Area, Sponsor Provided and requested, Low Water Crossing, Close to FMP
133000006	13	Nueces	Rutledge Hollow Creek Tributary Regional Detention Pond Improvements	Proposed 15ac-ft detention pond in downtown Poteet, located at property owned by the City at corner of Avenue B and Kelly St. Pond outlet pipe is 24-inch diameter and it connects the pond to the Rutledge Hollow Creek tributary by passing under Avenue C.	321	17	0	14	72	0	0	0	0	0	0	0	<100	100	64000	0	N		N	3445	3.799999952	Y	Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study,
133000007	13	Nueces	City of Benavides Las Animas Conveyance Infrastructure	4,000 linear feet, Clear out creek channel and upsized culverts to six 5-ft by 3-ft boxes.	0	0	0	0	0	0	2	0	0	0	0	0	<100	100	5214000	0	N		N	170	0.200000003	Y	Yes, High Risk Area, Low Water Crossing, Close to FMP
133000008	13	Nueces	City of Benavides Main City Network Storm Drain Improvements	Clean filled-in trench drain and outfall channel, upsized existing pipes (7,900 linear feet), 12 new inlets.	24	25	0	24	82	0	0	10	1	0	0	0	<100	100	345000	0	N		N	0	0.800000012	Y	Yes, High Risk Area, Close to FMP
133000009	13	Nueces	CR 1520 / Tehuacana Rd. Drainage Improvements (Frio County Project #8)	Drainage Study PS&E. Existing 36" CMP culvert lacks capacity to convey a 1 yr storm peak discharge across CR 1520. Proposed solution of 12 - 42" x 30' RCPs and raising the roadway profile by approximately 1' in the structure vicinity.	0	0	0	0	0	0	0	3	0	0	0	0	<1	2	875000	0	N		N	20	4.300000191	Y	Yes, High Risk Area, Sponsor Provided and requested, Low Water Crossing, Close to FMP
133000010	13	Nueces	FH#1.1: Regional detention pond in Davila Street Tributary	Regional detention pond in Davila Street Tributary.	182	31	0	30	100	0	0	0	0	0	0	0	<100	100	3900000	0	N		N	0	1.700000048	Y	Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study,
133000011	13	Nueces	FH#2.1: Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road	Storm sewer bypass improvements in Trinity Street Tributary from Trinity Street to Radio Road.	212	1	0	1	3	0	0	0	0	0	0	0	<100	100	8700000	0	N		N	0	0.100000001	Y	Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study,
133000012	13	Nueces	FH#2.2: Detention ponds in the Pearsall High School Grounds	Detention ponds in the Pearsall High School Grounds.	205	8	0	7	31	0	0	0	0	0	0	0	<100	100	150000	0	N		N	0	0.5	Y	Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study,
133000013	13	Nueces	FH#3.1: Channel lining and conveyance improvements along FM 1581	Channel lining and conveyance improvements along FM 1581.	211	2	0	1	13	0	0	1	0	0.045909405	0	0	<100	100	1150000	0	N		N	0	0.300000012	Y	Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study,
133000014	13	Nueces	Downtown Crystal City Regional Detention Pond Improvements	Two proposed detention ponds and a 24" outfall system was used to mitigate the flooding issues in downtown Crystal City	185	94	0	93	289	0	0	0	0	0	0	0	<100	100	31000	0	N		N	0	8.100000381	Y	Yes, High Risk Area, Sponsor Provided and requested, No on-going flood study,
133000015	13	Nueces	Burnt Boot Creek Drainage Improvements from Route 132 to Colonial Parkway	Two-phase project to improve drainage at Burnt Boot Creek in Devine, TX, including detention ponds and/or channel upsizing.	512	74	0	61	313	0	8	0	0	0	0	0	<100	100	171000	0	N		N	0	0.5	Y	Yes, High Risk Area, Sponsor Provided and requested, Low Water Crossing, No on-going flood study,
133000016	13	Nueces	Kinney St. Pump Station Inlet Modifications	It is recommended that modifications be made to increase the size and capacity of the inlet to the Kinney Street Pump Station to improve its hydraulic efficiency.	1	0	0	0	0	0	0	0	0	0	0	0	< 100-Year	< 100-Year	499000	0	N		N	0	0.071000002	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area

Appendix A.8
Potentially Feasible Flood Mitigation Projects Identified by RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	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 (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation				
					Number of struct with reduced 100yr (1% annual chance) Flood risk	Number of struct removed from 100yr (1% annual chance) Flood risk	Number of struct removed from 500yr (0.2% annual chance) Flood risk	Habitable struct removed from 100yr (1% annual chance) Flood risk	Est Population removed from 100yr (1% annual chance) Flood risk	Critical facilities removed from 100yr (1% annual chance) Flood risk (#)	Number of low water crossings removed from 100yr (1% annual chance) Flood risk (#)	Est reduction in road closure occurrences	Est length of roads removed from 100yr flood risk (Miles)	Est active farm & ranch land removed from 100yr flood risk (acres)												Est reduction in fatalities (if available)	Est reduction in injuries (if available)		
133000017	13	Nueces	Power St. Pump Station Improvements	Improvements to the inlet of Power Street Power Station will improve upstream drainage hydraulics throughout the basin. It is proposed to widen the inlet as much as possible to reduce head loss at the Power Station Inlet.	7	0	0	0	0	0	0	0	0	0	0	0	0	0	< 100-Year	< 100-Year	875000	N	N	N			0.035	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area
133000018	13	Nueces	Risk Area 06 - Agua Dulce	Excessive runoff passing over CO Rd 105 further inundates the town of Agua Dulce. Both detention and channel improvements will be needed.	164	41	0	39	137	0	0	2	3	103.4671936	0	0	0	0	< 100-Year	< 100-Year	2279994.25	N	N	N			0.046	Y	Sponsor Requested; Emergency Evacuation Route
133000019	13	Nueces	Risk Area 05 - Banquete	Water backs up along several roadways and causes significant flooding in the area. Restricted flow at several structures within the area causes overflow into Banquete Creek.	82	86	0	74	74	0	0	2	0	156.7686005	0	0	0	0	< 100-Year	< 100-Year	752246.5	N	N	N			0.07	Y	Sponsor Requested; Emergency Evacuation Route
133000020	13	Nueces	Risk Area 07 - La Paloma Ranch	Ponding at intersect of La Paloma and CR 18 and buried culvert at intersect of La Paloma and CR 93. At a culvert crossing with creek B-17 & CR 93, flow overtops the road cutting off main route that connects La Paloma with FM 665.	0	2	0	2	6	0	0	1	0	74.78546906	0	0	0	0	< 100-Year	< 100-Year	11515755	N	N	N			0.002	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area
133000021	13	Nueces	Risk Area 26 - Balchuck Ln & Digger Ln	Many drainage issues from recent development and runoff from nearby streams cause flooding in the residential areas.	16	18	0	18	54	0	0	0	1	41.27039719	0	0	0	0	< 100-Year	< 100-Year	1064445	N	N	N			0.056000002	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area
133000022	13	Nueces	Risk Area 27 - Nottingham Acres	Flows flooding Loxley Dr come from the open field W of the neighborhood and have limited existing drainage infrastructure. Runoff attempts to flow E but ponds up due to existing terrain.	48	13	0	13	39	0	0	0	0	59.66348648	0	0	0	0	< 100-Year	< 100-Year	3779614.5	N	N	N			0.032000002	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area
133000023	13	Nueces	Risk Area 28 - South Prairie Estates	S Prairie Rd and Rabbit run are inundated by runoff from surrounding areas.	12	4	0	4	12	0	0	0	0	23.00584412	0	0	0	0	< 100-Year	< 100-Year	8628878	N	N	N			0.007	Y	Sponsor Requested; High Risk Area
133000024	13	Nueces	Risk Area 19 - Driscoll	Initially water flows from Driscoll from S to N, flowing into Petronilla Creek. Petronilla Creek eventually flows N to S through Driscoll. Petronilla splits W around Driscoll and through Driscoll heading E over Highway 77.	212	70	0	42	406	0	0	2	1	34.22998047	0	0	0	0	< 100-Year	< 100-Year	1056652.25	N	N	N			0.032000002	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area
133000025	13	Nueces	Risk Area 11 - Calicoate Farms	Runoff collects and passes over the area near the CO Rd 44 and FM 1694 intersection and surrounding structures before making it's way to Oso Creek and Ditch A to Oso Creek.	19	2	0	2	6	0	0	0	0	7.608707428	0	0	0	0	< 100-Year	< 100-Year	3028470	N	N	N			0.027000001	Y	Sponsor Requested; High Risk Area
133000026	13	Nueces	Risk Area 20 - Fiesta Ranch	The area is initially flooded through local runoff. Eventually flooding and backwater from Petronilla creek further inundates the area.	38	29	0	29	87	0	0	1	0	0	0	0	0	0	< 100-Year	< 100-Year	1220640	N	N	N			0.063000001	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area
133000027	13	Nueces	Risk Area 03 - Indian Trails	First peak of flooding primarily due to ponding and local drainage within Indian Trails subdivision. Second peak of flooding primarily due to stream flooding reaching the risk area with flow block by portions of FM 1833 and FM 666.	44	6	0	6	18	0	0	0	0	51.73093414	0	0	0	0	< 100-Year	< 100-Year	5565390	N	N	N			0.022	Y	Sponsor Requested
133000028	13	Nueces	Risk Area 01 - Ranch and Cyndie Park	Localized flooding begins in neighborhood and worsens as Quinta Creek flows through the low-lying area the neighborhood sits in.	96	1	0	1	3	0	0	1	1	38.85055923	0	0	0	0	< 100-Year	< 100-Year	421681216	N	N	N			0.002	Y	Sponsor Requested; High Risk Area
133000029	13	Nueces	Risk Area 04 - Ranch Banquete	Once runoff clears, flow backwaters into neighborhood due to stream confluence and a downstream bridge acting as a choke point.	66	17	0	17	51	0	0	0	0	7.049866199	0	0	0	0	< 100-Year	< 100-Year	3261988.25	N	N	N			0.021	Y	Sponsor Requested

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133000030	13	Nueces	Robstown Various Drainage Improvements (FH#8,10,12)	Project consists of city wide drainage improvements to West, East, and North sections of Robstown, to include regional detention facilities and channel / culvert improvements.	3482	9	0	4	62	6	0	0	0	11	388.952301	0	0	< 100-Year	< 100-Year	6256363	N	N			0.824000001	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area
133000031	13	Nueces	City of Gregory Citywide Stormwater Drainage Improvements	Includes ditch improvements for Southwest Outfall and the Southside Diversion, swale and culvert improvements on Black Welder Street, and drainage improvements along HWY 181 Frontage Rd, HWY 35, S. Gregory, and FM 3284.	379	31	0	30	100	9	0	0	3	247.0028839	0	0	< 100-Year	< 100-Year	809000	N	N			0.037	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area	
133000033	13	Nueces	Odem Citywide Stormwater Drainage Improvements	Includes ditch regrading along Borden St, expansion of Peters Swale, improvements to Owl Square Ditch and addition of subsurface detention, and drainage system improvements and expansion for Cooper Rd drainage system.	36	60	0	59	187	0	0	0	2	136.3219147	0	0	< 100-Year	< 100-Year	420166.6563	N	N			0.027000001	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area	
133000035	13	Nueces	Citywide Stormwater Drainage Improvements - Sinton	Includes drainage improvements for West Sinton, N Vineyard Ave, RR ditches, E Sinton St and S Bowie St, S Pirate Blvd, S Sodville Ave, and Rancho Chico.	661	398	0	360	1460	3	0	0	4	5.840640068	0	0	< 100-Year	< 100-Year	259271.3594	N	N			0.068999998	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area	
133000037	13	Nueces	Citywide Stormwater Drainage Improvements - Taft	Ditch improvements along Compress Rd, Industrial St, and in Taft Southwest subdivision, upsized stormsewer on Reynolds Ave and Kirkpatrick St, new stormsewer on Gregory Ave, Pecan St, Walnut St, Ave A, Ave C, Harding St, and Victoria Ave.	635	115	0	102	436	0	0	0	1	230.8940735	0	0	< 100-Year	< 100-Year	286452.1875	N	N			0.088	Y	Sponsor Requested; Emergency Evacuation Route; High Risk Area	
133000038	13	Nueces	Old Frio City Road at North Prong Creek Bridge	This project will provide 100-year conveyance design, removing structures from the existing floodplain. Proposed improvements consist of channel regrading, increasing the road elevation, and adding a bridge.	0	0	0	0	0	0	1	36	1	0	0	0	Less than the 100 year	100 year	0	0.029999999	N	#N/A	N	945	0.100000001	Y	R12 HDR Identification Process