

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Table 1: Existing Flood Infrastructure Summary Table (continued)

Existing Infrastructure ID	Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
15000001		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000002		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000003		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000004		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000005		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000006		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000007		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000008		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000009		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000010		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000011		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000012		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000013		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000014		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000015		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000016		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000017		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000018		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000019		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000020		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000021		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000022		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000023		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000024		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000025		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000026		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000027		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000028		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000029		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000030		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000031		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000032		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000033		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000034		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000035		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000036		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000037		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000038		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000039		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000040		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000041		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000042		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000043		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000044		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000045		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000046		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000047		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000048		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000049		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000050		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000051		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000052		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000053		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000054		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000055		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000056		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000057		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000058		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000059		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000060		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000061		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
15000062		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000063		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000064		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000065		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000066		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000067		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000068		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000069		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000070		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000071		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000072		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000073		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000074		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000075		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000076		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000077		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000078		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000079		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000080		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000081		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000082		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000083		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000084		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000085		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000086		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000087		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000088		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000089		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000090		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000091		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000092		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000093		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000094		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000095		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000096		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000097		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000098		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000099		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500100		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500101		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500102		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500103		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500104		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500105		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500106		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500107		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500108		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500109		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500110		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500111		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500112		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500113		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500114		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500115		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500116		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500117		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500118		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500119		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500120		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500121		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500122		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
1500123		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
15000124		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000125		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000126		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000127		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000128		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000129		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000130		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000131		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000132		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000133		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000134		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000135		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000136		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000137		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000138		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000139		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000140		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000141		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000142		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000143		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000144		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000145		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000146		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000147		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000148		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000149		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000150		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000151		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000152		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000153		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000154		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000155		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000156		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000157		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000158		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000159		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000160		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000161		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000162		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000163		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000164		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000165		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000166		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000167		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000168		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000169		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000170		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000171		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000172		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000173		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000174		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000175		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000176		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000177		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000178		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000179		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000180		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000181		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000182		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000183		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000184		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000185		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
15000186		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000187		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000188		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000189		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000190		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000191		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000192		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000193		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000194		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000195		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000196		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000197		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000198		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000199		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000200		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000201		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000202		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000203		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000204		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000205		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000206		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000207		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000208		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000209		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000210		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000211		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000212		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000213		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000214		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000215		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000216		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000217		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000218		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000219		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000220		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000221		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000222		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000223		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000224		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000225		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000226		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000227		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000228		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000229		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000230		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000231		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000232		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000233		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000234		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000235		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000236		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000237		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000238		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000239		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000240		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000241		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000242		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000243		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000244		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000245		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000246		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000247		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
15000248		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000249		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000250		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000251		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000252		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000253		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000254		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000255		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000256		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000257		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000258		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000259		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000260		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000261		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000262		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000263		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000264		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000265		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000266		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000267		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000268		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000269		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000270		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000271		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000272		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000273		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000274		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000275		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000276		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000277		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000278		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000279		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000280		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000281		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000282		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000283		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000284		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000285		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000286		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000287		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000288		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000289		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000290		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000291		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000292		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000293		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000294		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000295		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000296		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000297		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000298		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000299		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000300		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000301		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000302		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000303		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000304		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000305		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000306		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000307		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000308		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000309		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	RFPG No.	RFPG Name	Counties	HUC8s	HUC10s	HUC12s	Watersheds	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination	Construction Date	Infrastructure Dimensions				
													Diameter (ft)	Height (ft)	Width (ft)	Length (ft)	Area (acre)
15000310	15	Lower Rio Grande	Kinney	13080001	1308000112	130800011203		RR 693	LWC		Constructed					0	
15000311	15	Lower Rio Grande	Kinney	13080001	1308000112	130800011203		RR 693	LWC		Constructed					0	
15000312	15	Lower Rio Grande	Kinney	13080001	1308000112	130800011203		RR 693	LWC		Constructed					0	
15000313	15	Lower Rio Grande	Kinney	13080001	1308000104	130800010407		MUD CREEK RD	LWC		Constructed					0	
15000314	15	Lower Rio Grande	Maverick	13080001	1308000118	130800011805		CR 531	LWC		Constructed					0	
15000315	15	Lower Rio Grande	Maverick	13080002	1308000207	130800020703		OLD PIONEER RD	LWC		Constructed					0	
15000316	15	Lower Rio Grande	Maverick	13080002	1308000215	130800021502		A T GILL RD	LWC		Constructed					0	
15000317	15	Lower Rio Grande	Maverick	13080002	1308000207	130800020702		DR GATES RD	LWC		Constructed					0	
15000318	15	Lower Rio Grande	Maverick	13080002	1308000207	130800020702		BARRERA ST	LWC		Constructed					0	
15000319	15	Lower Rio Grande	Val Verde	13080001	1308000103	130800010306		FM 2523	LWC		Constructed					0	
15000320	15	Lower Rio Grande	Val Verde	13080001	1308000103	130800010306		FM 2523	LWC		Constructed					0	
15000321	15	Lower Rio Grande	Val Verde	13080001	1308000103	130800010306		FM 2523	LWC		Constructed					0	
15000322	15	Lower Rio Grande	Val Verde	13080001	1308000103	130800010306		FM 2523	LWC		Constructed					0	
15000323	15	Lower Rio Grande	Webb	13080002	1308000219	130800021909		MINES RD (EAGLE PASS RD)	LWC		Constructed					0	
15000324	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010204		MARGARET LN	LWC		Constructed					0	
15000325	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010204		ALTA VISTA DR	LWC		Constructed					0	
15000326	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010204		GAYLE AVE	LWC		Constructed					0	
15000327	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010204		LAUSEN RD	LWC		Constructed					0	
15000328	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		UNNAMED ST	LWC		Constructed					0	
15000329	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		TAINI ST	LWC		Constructed					0	
15000330	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		BOWIE ST	LWC		Constructed					0	
15000331	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		PLAZA AVE	LWC		Constructed					0	
15000332	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010204		WILDCAT DR	LWC		Constructed					0	
15000333	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010204		AMISTAD BLVD	LWC		Constructed					0	
15000334	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010204		AMISTAD BLVD	LWC		Constructed					0	
15000335	15	Lower Rio Grande	Hidalgo	12110208	1211020803	121102080300		MILE 19 RD	LWC		Constructed					0	
15000336	15	Lower Rio Grande	Hidalgo	12110208	1211020803	121102080300		ENGELMAN GARDENS RD	LWC		Constructed					0	
15000337	15	Lower Rio Grande	Hidalgo	12110208	1211020803	121102080300		MILE 6 RD	LWC		Constructed					0	
15000338	15	Lower Rio Grande	Hidalgo	12110208	1211020803	121102080300		FM 493	LWC		Constructed					0	
15000339	15	Lower Rio Grande	Hidalgo	12110208	1211020803	121102080300		MILE 19 RD	LWC		Constructed					0	
15000340	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		SKINNER RD	LWC		Constructed					0	
15000341	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		VAL VERDE RD	LWC		Constructed					0	
15000342	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		N 3RD AVE	LWC		Constructed					0	
15000343	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		SHARP RD	LWC		Constructed					0	
15000344	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		BRUSH LINE RD	LWC		Constructed					0	
15000345	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		BENTIO A RAMIREZ ST	LWC		Constructed					0	
15000346	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		INGLE RD	LWC		Constructed					0	
15000347	15	Lower Rio Grande	Hidalgo	12110208	1211020804	121102080400		US 281	LWC		Constructed					0	
15000348	15	Lower Rio Grande	Hidalgo	12110208	1211020802	121102080200		SEMINARY RD	LWC		Constructed					0	
15000349	15	Lower Rio Grande	Hidalgo	12110208	1211020802	121102080200		W MONTE CRISTO RD	LWC		Constructed					0	
15000350	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010205		JAP LOWE DR	LWC		Constructed					0	
15000351	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010205		JAP LOWE DR	LWC		Constructed					0	
15000352	15	Lower Rio Grande	Maverick	13080001	1308000118	130800011805		FM RD 1588	LWC		Constructed					0	
15000353	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010502		UNNAMED RD	LWC		Constructed					0	
15000354	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010502		UNNAMED RD	LWC		Constructed					0	
15000355	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010503		UNNAMED RD	LWC		Constructed					0	
15000356	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010503		UNNAMED RD	LWC		Constructed					0	
15000357	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010504		UNNAMED RD	LWC		Constructed					0	
15000358	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010504		UNNAMED RD	LWC		Constructed					0	
15000359	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010504		UNNAMED RD	LWC		Constructed					0	
15000360	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010504		UNNAMED RD	LWC		Constructed					0	
15000361	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011303		UNNAMED RD	LWC		Constructed					0	
15000362	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011303		UNNAMED RD	LWC		Constructed					0	
15000363	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011302		UNNAMED RD	LWC		Constructed					0	
15000364	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011302		UNNAMED RD	LWC		Constructed					0	
15000365	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011302		UNNAMED RD	LWC		Constructed					0	
15000366	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010504		UNNAMED RD	LWC		Constructed					0	
15000367	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010503		UNNAMED RD	LWC		Constructed					0	
15000368	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010502		UNNAMED RD	LWC		Constructed					0	
15000369	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010502		UNNAMED RD	LWC		Constructed					0	
15000370	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010502		UNNAMED RD	LWC		Constructed					0	
15000371	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010502		UNNAMED RD	LWC		Constructed					0	

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
15000310		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000311		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000312		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000313		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000314		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000315		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000316		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000317		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000318		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000319		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000320		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000321		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000322		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000323		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000324		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000325		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000326		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000327		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000328		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000329		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000330		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000331		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000332		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000333		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000334		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000335		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000336		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000337		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000338		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000339		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000340		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000341		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000342		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000343		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000344		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000345		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000346		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000347		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000348		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000349		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000350		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000351		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000352		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000353		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000354		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000355		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000356		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000357		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000358		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000359		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000360		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000361		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000362		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000363		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000364		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000365		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000366		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000367		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000368		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000369		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000370		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000371		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	RFPG No.	RFPG Name	Counties	HUC8s	HUC10s	HUC12s	Watersheds	Feature Name	Infrastructure Type	Description	Natural or Constructed or Combination	Construction Date	Infrastructure Dimensions				
													Diameter (ft)	Height (ft)	Width (ft)	Length (ft)	Area (acre)
15000372	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010501		UNNAMED RD	LWC		Constructed					0	
15000373	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011303		UNNAMED RD	LWC		Constructed					0	
15000374	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011303		UNNAMED RD	LWC		Constructed					0	
15000375	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011303		UNNAMED RD	LWC		Constructed					0	
15000376	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011303		UNNAMED RD	LWC		Constructed					0	
15000377	15	Lower Rio Grande	Kinney	13080001	1308000105	130800010505		STANDARD LN	LWC		Constructed					0	
15000378	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		THORN ST	LWC		Constructed					0	
15000379	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		EDWARD ST	LWC		Constructed					0	
15000380	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		THOMAS ST	LWC		Constructed					0	
15000381	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		QUINTLE ST	LWC		Constructed					0	
15000382	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		EL PASO ST	LWC		Constructed					0	
15000383	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		ROSS ST	LWC		Constructed					0	
15000384	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		KEENE ST	LWC		Constructed					0	
15000385	15	Lower Rio Grande	Kinney	13080001	1308000113	130800011301		FRITTER ST	LWC		Constructed					0	
15000386	15	Lower Rio Grande	Webb	13080002	1308000228	130800022805		CENTURY BLVD	LWC		Constructed					0	
15000387	15	Lower Rio Grande	Webb	13080002	1308000228	130800022805		MARION ST	LWC		Constructed					0	
15000388	15	Lower Rio Grande	Kinney	13080001	1308000104	130800010404		RR 3008	LWC		Constructed					0	
15000389	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		GILCHRIST LN	LWC		Constructed					0	
15000390	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		GUYLER AVE	LWC		Constructed					0	
15000391	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		BRIDGE ST	LWC		Constructed					0	
15000392	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		US 90	LWC		Constructed					0	
15000393	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		US 277	LWC		Constructed					0	
15000394	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		OGDEN ST	LWC		Constructed					0	
15000395	15	Lower Rio Grande	Jim Hogg	13080003	1308000307	130800030704		FM 3073	LWC		Constructed					0	
15000396	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		EAST DR	LWC		Constructed					0	
15000397	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		FLECHA LN	LWC		Constructed					0	
15000398	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		BRISTOL RD	LWC		Constructed					0	
15000399	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		LOWRY RD	LWC		Constructed					0	
15000400	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		ALBANY/QUAIL CREEK	LWC		Constructed					0	
15000401	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		WINDSOR RD	LWC		Constructed					0	
15000402	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		MARTINGALE DR	LWC		Constructed					0	
15000403	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		DOVER/STRATFORD	LWC		Constructed					0	
15000404	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		SAN LORENZO DR	LWC		Constructed					0	
15000405	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		E CALTON AVE	LWC		Constructed					0	
15000406	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		MCPHEARSON RD	LWC		Constructed					0	
15000407	15	Lower Rio Grande	Webb	13080002	1308000228	130800022802		WEST CALTON AVE	LWC		Constructed					0	
15000408	15	Lower Rio Grande	Val Verde	13080001	1308000102	130800010207		GILCHRIST LN	LWC		Constructed					0	

TABLE 1: EXISTING FLOOD INFRASTRUCTURE SUMMARY

Existing Infrastructure ID	Level of Service (2-year, 10-year, 25-year, 50-year, 100-year, 500-year, Unknown)	Condition (Functional, Non-functional, Unknown)	Condition Description	Deficiency (Deficient, Non-deficient, Unknown)	Deficiency Description	Owning Entity	Operating Entity	Associated FMEs	Associated FMSs	Associated FMPs
15000372		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000373		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000374		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000375		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000376		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000377		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000378		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000379		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000380		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000381		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000382		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000383		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000384		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000385		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000386		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000387		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000388		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000389		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000390		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000391		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000392		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000393		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000394		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000395		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000396		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000397		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000398		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000399		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000400		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000401		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000402		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000403		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000404		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000405		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000406		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000407		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			
15000408		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown			

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Table 2: Summary of Proposed or Ongoing Flood Mitigation Projects

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000001	15	Lower Rio Grande	West Main Drain-Laguna Madre, FIF Project Number 40001	Category 1 FIF (FIF13800). The drainage study will study a portion of "West Main Drain-Laguna Madre" (HUC# 1211020804) & "East Main Drain-Laguna Madre" (HUC# 1211020805) enclosed within the City's borders (4 square miles) and use updated Light Detection and Ranging (LiDAR) data from a 2018 USGS flight. Key elements of the project: • Coordination with County, drainage and irrigation districts within the study area, • Collection of hydrographic data from previous efforts, validate, and assimilate into the REON.cc cyberinfrastructure for direct access by end-users, • Development of new or update of existing geo-referenced hydrologic (HEC-HMS) & hydraulic (HEC-RAS) models Key project deliverables, Production of a new hydrologic and hydraulic model (developed to FEMA capture standards, using local drainage criteria), Regional flood management decision support infrastructure to sustain the adoption of regional flood management projects beyond the life of this project.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 400,000	No	FIF	2023	Unknown
15000002	15	Lower Rio Grande	Willacy County Watershed Study, FIF Project Number 40020	Category 1 FIF (FIF13774). Willacy County will conduct planning of the Upper Pilot Channel-Laguna Madre, La Sal Vieja, and East Main Drain-Frontal Laguna Madre HUC-10 watersheds to better inform the development of strategies using structural and nonstructural measures before a flood event. The long-term goal of this project is to develop the regional knowledge-based decision support infrastructure to identify and promote the implementation of local flood management physical and non-structural controls that maximizes regional benefit. This project complements that of the Lower Rio Grande Valley Development Council (LRGVDC) – the Lower Rio Grande Valley Regional Flood Planning Project (TWDB Project 40038). The Scope of Work for the County's project is structured to be complimentary of Project 40038. The project will include a study of the Upper Pilot Channel-Laguna Madre, La Sal Vieja, and East Main Drain-Frontal Laguna Madre HUC-10 watersheds (1211020803, 1211020804 and 1211020805 respectively) and will analyze approximately 663 sq miles in area and 602 miles of drainage ditches. The study area will be re-delineated using a combination of current LiDAR imagery and available high-resolution Digital Elevation Models, along with burned in data for irrigation canals and drainage ditches. Key project elements: • Historical data collection and validation, • Development of new, or update of existing, geo-referenced hydraulic models (HEC RAS 1D/2D) for selected watersheds for existing condition and selected storm frequencies, • Real Time Hydrologic Stations to locally validate the models developed that will rapidly provide the LRGVDC with the framework to support flood mitigation and planning, • Identification of capital improvement projects that support regional flood management, • Development of specific projects, costs, and benefits for projects to mitigate known areas of flooding. Key project deliverables: • Production of a new hydrologic and hydraulic model (developed to FEMA capture standards, using local drainage criteria), • A regional flood management decision support infrastructure to sustain the adoption of regional flood management projects beyond the life of this project.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 1,440,000	No	FIF	2023	Unknown
15000003	15	Lower Rio Grande	Brownsville to Port Isabel HUC-10 Watershed Study, FIF Project Number 40025	Category 1 FIF (FIF13647). Perform a flood planning study of the entire Brownsville Ship Channel HUC-10 watershed to include the areas within the City of Brownsville, Cameron County Drainage District 1 and remote areas of Cameron County drainage systems. The Brownsville Ship Channel watershed aligns with USGS HUC-10 watershed 1211020809, which includes 366 square miles. The proposed study will identify, define, and develop baseline drainage models with ArcGIS using HEC-HMS/RAS hydraulic modeling programs to assess existing flooding risks within the Brownsville Ship Channel Watershed. The 2D hydrologic and hydraulic models will be used to analyze flood conditions for various storm events and develop a 5 and 10-year capital improvement plan for each drainage system. The City's most recent flood studies are the 2006 and 2011 Flood Protection Plan studies that were funded by the TWDB. These hydrologic and hydraulic models, flood analyses, and corresponding capital improvement plans only covered the four southern watersheds serving the City. The existing planning studies and hydrologic and hydraulic model are outdated and require expansion to cover the entire HUC-10. Key elements of the project are: • Hydrologic and hydraulic model development and flood risk assessment, • Planning for impacts of future urbanization in coordination with Cameron County, • Assessment of flood mitigation projects, • Evaluation of benefits for restoration and rehabilitation of stream corridors in partnership with federal agencies., • Consideration of watershed management strategies (guidelines, policy, and/or regulations)	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 1,350,000	No	FIF, local	2022	Unknown
15000004	15	Lower Rio Grande	Harlingen HUC 10 Flood Protection Planning Study, FIF Project Number 40041	Category 1 FIF (FIF13528). The proposed study will examine two HUC-10 watersheds as delineated by the U.S. Geological Survey. This area encompasses over 295 square miles of terrain, 49 centerline miles of the Arroyo Colorado, and over 740 additional centerline miles of existing drainage channels, ditches, irrigation canals, and other appurtenances. Study would incorporate most recent data such as 2018 South Texas LiDAR dataset, NOAA Atlas 14 precipitation estimates, 2018 FEMA flood insurance study, and TWDB base level engineering data.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 5,613,300	No	FIF, local	2023	Unknown
15000005	15	Lower Rio Grande	South Pharr Regional Detention Facility and Drainage Improvements, FIF Project Number 40054	Category 2 FIF (FIF13579). The proposed project includes a regional detention facility in approximately 20 acres of undeveloped land located south of Hidalgo Park Estates Subdivision, east of Anaya Heights Subdivision and north of the South Lateral Drain. The pond will include a pump system to dewater the proposed detention. The project also includes storm drain improvements in the adjacent neighborhoods to direct flow to the proposed detention pond; upgrade of culverts and road crossings; removal and replacement of existing storm sewer to direct the flows from the Hidalgo Park North Ditch to the detention pond; and flap gates to prevent tail water from flowing from the South Lateral Drain into the proposed detention pond and the Hidalgo Park North Ditch. The improvements will complement and enhance Hidalgo County Drainage District No. 1's planned improvements to widen the drainage ditches in the area. Findings from the City of Pharr Master Drainage Project indicate the proposed project will reduce flood risk for all structures within the project area and removes approximately 900 structures from the existing 100-year floodplain. Additionally, modeling shows a benefit of flood risk reduction in water surface elevation to downstream rural communities that live in an area of chronic flooding.	Hidalgo	12110207, 12110208	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 4,510,000	Yes	FIF, local	2023	Unknown
15000006	15	Lower Rio Grande	Impala Drain and Upstream Ditches Improvements, FIF Project Number 40063	Category 2 FIF (FIF13648). The City's two southern-most watersheds, the North Main Drain and Town Resaca, need improvements. Both watersheds outfall into the Port of Brownsville's Ship Channel and discharge is augmented at the Impala Pump Station. The pump station currently cannot pump at its maximum pumping capacity of 540 cubic feet per second (cfs) because of the ditch's narrow cross-sections and restricting vegetation, which reduce the flow velocities into the pump and limit the discharge volumes. The project consists of improving 6,400 feet of drainage ditch connecting the Impala Pump Station to the Town Resaca near the City's South wastewater treatment plant and the North Main Drain relief lateral extending to the Cameron County Drainage District No. 1 North Main Drain canal. The project will also increase the pumping capacity of the Impala Pump Station to 1,500 cfs. This will significantly reduce the flooding in the North Main Drain and Town Resaca watersheds.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 9,100,000	Yes	FIF, local	2023	Unknown
15000007	15	Lower Rio Grande	Joint Flood Control Project with WCDD #1, FIF Project Number 40069.	Category 2 FIF. The proposed project includes expansion of 25,000 linear feet of Lateral 'G' by 100 feet. This lateral is the only stormwater outfall for the Sebastian area. It runs from the northern part of Sebastian and discharges at the MFC. The project also includes a 10-acre regional retention pond south of Farm to Market (FM) 506. The pond will mitigate flooding on FM 506 and the Sebastian area.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 1,457,571	Yes	FIF, local	2024	Unknown
15000008	15	Lower Rio Grande	Murphy Lateral & South Fork Lateral Regional Detention Ponds, FIF Project Number 40073.	Category 2 FIF (FIF13654). The proposed project, which is located within the North Main Drain watershed, will include an 85.4 acre-foot (ac-ft) regional detention pond on the Murphy Lateral and a 153.4 ac-ft regional detention pond on the South Fork Lateral, both upstream of the City of Primera, as well as improvements to both laterals' channels. The ponds will be grass lined to allow for infiltration into shallow groundwater table and will have outfall pipes to drain the detention storage back to the Murphy and South Fork Laterals. The District recently acquired the two properties for the ponds, which will be part of its in-kind contribution to the project. In addition, 30-inch pipes will be bored under each of the railroad crossings at the Murphy and South Fork Laterals and at another crossing downstream of the railroad crossing along the South Fork Lateral. These improvements are intended to operate in conjunction with other railroad crossing improvements already being implemented to provide flood mitigation and reduction within the City of Primera. Overall, the project will reduce up to 2-feet the level in the 100-year flood area of the project and remove more than 260 structures from the 100-year floodplain.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 4,340,000	Yes	FIF, local	2024	Unknown

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000009	15	Lower Rio Grande	Storm Water System Improvements, FIF Project Number 40078	Category 2 FIF (FIF13725), The proposed project includes improving drainage in the Golf Course Ditch by removing 2,900 lineal feet (LF) of existing 36-inch storm piping, installing 2,850 LF concrete lined channel, and replacing 225 LF of 60-inch storm pipe with 220 LF of two box culverts (6 X 6 feet). Improvements to the ditch system will reduce the water surface level within the City by approximately 5 inches based on the 100-year event and is estimated to reduce damage from 600 to 162 structures.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 1,417,922	Yes	FIF, local	2023	Unknown
15000010	15	Lower Rio Grande	Chacon Creek – Rio Grande Basin Flood Protection Study Option 1, FIF Project Number 40080	Category 1 FIF (FIF13617), conduct a regional flood planning study with a major focus on the Manadas and Zacate Creek watersheds. The proposed Chacon Creek – Rio Grande Basin Flood Protection Study will include the following tasks: • Reevaluation of the entire Manadas and Zacate Creek watersheds; • Study 47 linear miles of channel; • Perform topographic field survey of 1 channel per stream mile; • Perform field survey of approx. 157 bridge/culvert crossings; • New hydrologic model using NOAA Atlas 14 precipitation estimates; • New unsteady 1D/2D hydraulic model of study streams; • An alternative analysis to identify structural and non-structural flood control projects; • A benefit-cost analysis for each alternative evaluated; • Environmental constraints investigation; • Consideration of "Green Infrastructure" and "Water Supply" related alternatives; and • Public outreach to gain input on known flood risks throughout the HUC-10 boundary	Webb	13080002, 13080003	121101030501, 121101050401, 121102060103, 121102060105, 121101050502, 121101050601, 121101050602, 130800022303, 130800022304, 130800022305, 130800022401, 130800022402, 130800022403, 130800022404, 130800022405, 130800022601, 130800022602, 130800021506, 130800021405, 130800021902, 130800021903, 130800021904, 130800021905, 130800021907, 130800021909, 130800022301, 130800022302, 130800022603,		Ongoing	\$ 585,000	No	FIF, local	2022	Unknown
15000011	15	Lower Rio Grande	North Main Drainage Channel Improvement and Regional Detention Pond, FIF Project Number 40081	Category 2 FIF (FIF13618), The proposed project, which is located within the North Main Drain watershed, will include two regional detention ponds with a total storage of 192 acre-foot (ac-ft) south of the confluence of the North Main Drain and the Wilson Tract Lateral. The pond will be grass lined to allow for infiltration into shallow groundwater table and have outflow pipes to drain the detention storage back to the North Main Drain. The District already owns the properties for the ponds. The project also includes channel improvements to the North Main Drain, from Briggs-Coleman Road down to Farm-to-Market 507, including concrete lining of the channel. The project will reduce flood elevations and flood damages for residential and commercial properties.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 5,003,000	Yes	FIF, local	2024	Unknown
15000012	15	Lower Rio Grande	Sibley Lateral Regional Detention Pond, FIF Project Number 40082	Category 2 FIF (FIF13619), The proposed project, which is located within the North Main Drain watershed, includes a 313 acre-foot (ac-ft) regional detention pond along the Sibley Lateral upstream of Wilson Road. The pond will be grass lined to allow for infiltration into shallow groundwater table and will have outflow pipes to drain the detention storage back to the Sibley Lateral. The project also includes improvements to the Sibley Lateral channel to reduce flood elevations. The project will improve flood waters retainage and conveyance to reduce flood risk to private property both upstream and downstream of the project area, particularly to the City of Palm Valley downstream. The project will further support the City's planned stormwater improvements project along the Palm Valley golf course to reduce flood risk in the city.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 3,560,000	Yes	FIF, local	2024	Unknown
15000013	15	Lower Rio Grande	Raymondville Ditch, FIF Project Number 40089	Category 2 FIF (FIF13732), The proposed project includes 1) extension of drainage pipes from Wood Street into Willacy County's proposed detention pond for which the County is separately seeking FIF funding and 2) downstream of the County's proposed detention pond, construction of linear detention on a property that was purchased by the City in 2020, which was an abandoned railroad spur track just west of US Business Highway 77. The project will reduce flooding areas along the City's south side and west of the existing railroad.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 885,551	Yes	FIF, local	2022	Unknown
15000014	15	Lower Rio Grande	Ditch One Regional Detention Drainage Improvement Project, FIF Project Number 40090	Category 2 FIF (FIF13785), The District's Ditch One watershed, generally defined by the headwaters of Ditch One downstream to Interstate Highway (IH) 69, including the elevated storage reservoir, has chronic flood problems. The District needs to identify sufficient regional detention facilities upstream of IH-69 to allow the 100-yr and 500-yr flood events to pass fully under IH-69. Currently, IH-69 has two crossings, each with one box culvert, that need improvement. In addition, some upstream and downstream mitigation measures are needed to avoid creating the flooding issues further downstream. With this project, the District will first identify drainage improvements necessary to reduce flood risk along Ditch One, and second, it will design and construct the identified improvements. The planning phase will evaluate the potential for optimizing undeveloped areas along the main channel for regional detention; reevaluate existing flood storage areas that have not been formally made into detention facilities; conduct a detailed hydrologic and hydraulic model for this portion of the watershed; evaluate channel widening alternatives along the main channel of Ditch One, both upstream and downstream of IH-69; and identify culvert improvements at IH-69 and railroad crossings of Ditch One within the study watershed boundary, with appropriate mitigation measures. The regional detention ponds considered will be evaluated to have an earthen bottom and incorporate wetland features to allow for some infiltration into the shallow groundwater table. Channel improvements identified may include widening and other nature-based improvements, including soil wrap side slopes, vegetation plantings, and riparian restoration measures. Once the planning phase is completed, the District will design and construct enhanced regional detention improvements for approximately 109 acres of existing low-lying open areas, with the goal of detaining larger, more disastrous flood flows and letting lower flows by-pass.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 1,260,000	Yes	FIF, local	2024	Unknown
15000015	15	Lower Rio Grande	La Sara Gates, FIF Project Number 40094.	Category 2 FIF (FIF13776), The proposed project includes construction of five drainage control gate structures at two locations along the NRD. The first site is located near the intersection of County Road 141 and FM Road 1761 and includes the installation of two drainage control gates, on the east side of the bridge and one on the north west side. The second site is located near the intersection of Rancho Carlo Road and County Road 3700 W and includes two drainage control gates located on the east side of the bridge. By restoring the functionality of the flood control gates, it will minimize flooding in the areas adjacent to the NRD when high flows are present due to flood events upstream of this location. The area to be served by the proposed project is designated as farmland and will continue to be used for agriculture for the foreseeable future. Willacy County will be responsible for the operation and maintenance of the gate structures.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 87,238	Yes	FIF, local	2023	Unknown
15000016	15	Lower Rio Grande	Linear Detention and Pipe, FIF Project Number 40095	Category 2 FIF (FIF13775), The proposed project includes construction of linear detention by expanding 1,400 linear feet (LF) of an existing drainage ditch and constructing 2,100 LF of additional linear detention to increase stormwater storage and mitigate 100-year flood events. The project also includes installation of 30-inch reinforced concrete pipe and inlets to connect the two sections of linear detention. The expansion of the existing drainage ditch will allow water to flow away from the City and into the NRD. The County will own and operate the project.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 268,777	Yes	FIF, local	2023	Unknown

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000017	15	Lower Rio Grande	Lyford Trunkline, FIF Project Number 40096	Category 2 FIF (FIF13823). The proposed project includes construction of a 3,720-linear-foot stormwater trunk line that will run along the eastern side of Business 77 from FM Road 498 and include Type A inlet to help collect the runoff of the area. The trunkline will be a 48-inch reinforced concrete pipe and will ultimately drain to the West Main Drainage Ditch, south of FM 491 West. At the outlet, a headwall will be used to help with erosion control. The project will be located outside the City limits and will be owned and operated by the County.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 889,350	Yes	FIF, local	2023	Unknown
15000018	15	Lower Rio Grande	Simo Lift Station, FIF Project Number 40097	Category 2 FIF (FIF13773). The proposed project includes rehabilitation of an existing stormwater lift station and the construction of new linear drainage detention. Rehabilitation at the lift station includes upgrading the pump and rerouting of the force main into the proposed linear detention. The lift station, which is owned by the City, will outfall via the new linear detention into an existing 44-acre earthen detention pond. The project includes approximately 1,300 feet of linear detention along County Road 1900 East, 90-foot culvert across Co Rd 1900, and 1,800 feet of linear detention north to the existing detention pond. Upon completion of the project, the City will be responsible for the operation and maintenance of the lift station	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 564,498	Yes	FIF, local	2023	Unknown
15000019	15	Lower Rio Grande	Mulberry Detention Pond, FIF Project Number 40100	Category 2 FIF (FIF13772). The proposed project includes construction of a detention pond in 16 acres of undeveloped land along Mulberry Road (County Road 1300), east of Business 77 and US highway 77; 2,200 feet of linear stormwater detention from the proposed detention pond, running east to connect to a 24-inch reinforced concrete pipe that will go under US Highway 77 and ultimately discharge at the existing drainage ditch located between County Roads 215 and 310.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 1,468,578	Yes	FIF, local	2023	Unknown
15000020	15	Lower Rio Grande	Sebastian Drainage Improvements, FIF Project Number 40101.	Category 2 FIF (FIF13770). The proposed project includes the creation of linear detention by expanding 2,500 linear feet of the existing lateral drainage ditch along E. Paulin Street, east of US Hwy 77; expansion of street pavement to include curbs, gutters, and storm drain system; and rerouting of existing drainage structures to the proposed linear detention	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 4,911,456	Yes	FIF, local	2023	Unknown
15000021	15	Lower Rio Grande	North Stewart Boulevard Drainage Improvement, FIF Project Number 40112	Category 2 FIF (FIF13550). The proposed project will construct 6,600 linear feet (LF) of an 8x4 foot reinforced concrete box for the conveyance of stormwater from the Val Verde Acres subdivision to the outfall at the existing detention pond at Josefa Garcia Park; installation of new curb inlets along Stewart Road, Polk Avenue, Madison Avenue, Diamondhead Avenue, and within the Palm Lake Estates subdivision. In addition, the project will also include nature-based solutions: retrofit of an existing 4-acre retention pond in the Palm Lake Estates subdivision into a wetland/bioretenion pond to better manage runoff from high frequency storm events and provide settlement of pollutants prior to discharge; and construction of about 1,500 LF of bioswales along N. Stewart Road and Bryan Road to provide additional water quality benefits. As a result of the proposed project, 91 and 55 structures will no longer be in 10-year and 100-year floodplains, respectively. The proposed project will also reduce flood risk, improve roadways and travel conditions, improve water quality, and reduce infiltration and inflow to the wastewater collection system during flood events.	Hidalgo	12110207, 12110208	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 8,500,000	Yes	FIF, local	2024	Unknown
15000022	15	Lower Rio Grande	Kansas and Los Torritos Drainage Improvements to Mayor Pablo Pena Park - Phase 1, FIF Project Number 40114	Category 3 FIF. This project proposes to design and construct major drainage improvements including a detention pond and a 48-inch outfall structure as well as 1,900 linear feet of channel widening that will reduce severity of repetitive flooding to 1,217 structures and remove 169 structures from the 100-year flood plain.	Hidalgo	12110207, 12110208	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 4,967,708	Yes	FIF, HMGP (FEMA/TDEM), local	2023	Unknown
15000023	15	Lower Rio Grande	City of Harlingen 9th & 13th Street Drainage Improvements, FIF Project Number 40115	Category 3 FIF (FIF13687). This project proposes to upgrade storm sewer systems, which will mitigate 327 commercial and residential lots and streets within the city's main retail/commercial zones from future flood risk. The upgrades consist of removing of the undersized drainage system and replacing it with 5,803linear feet of reinforced concrete pipe, 27 junction boxes, and 46 inlets. In addition, the city will implement Storm Water Pollution Prevention Plan measures for water quality control as part of the upgrades. Any utility adjustments and restoration of street pavement will be completed as needed. The proposed storm sewer lines will increase capacity of the upstream section of the existing drainage system, and the downstream system has enough capacity to handle the increase, thus reducing flooding.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 1,686,744	Yes	FIF, HMGP (FEMA/TDEM), local	2021	Unknown
15000024	15	Lower Rio Grande	Water Treatment Plant Relocation Study, FIF Project Number 40119	Category 2 FIF (FIF13557). Due to the City's insufficient drainage system, the City's existing water treatment plant experiences seasonal flooding. A preliminary analysis indicates the area has the potential to be hazardous during storm events with magnitudes of 10-years and greater. A detailed hydrologic and hydraulic study is needed to determine alternatives to alleviate city-wide flooding and reduce flood risk at the proposed water treatment plant. 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 South Laguna Madre watershed. The study will account for existing drainage conditions and recommend relocation alternatives for the City's water treatment plant. Each recommendation will be based on the drainage system's performance during critical storm frequencies up to the 500-year storm using the best available data.	Hidalgo	12110207, 12110208	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 250,000	Yes	FIF, local	2023	Unknown
15000025	15	Lower Rio Grande	Lyford HMGP Match Funds, FIF Project Number 40138	Category 3 FIF (FIF13780). The City's HMGP application has been awarded funding by the Texas Division of Emergency Management and the Federal Emergency Management Agency to address the effects of multiple severe storm events over the past five years that were declared federal disasters. Rainfall from these events caused heavy flooding in large areas of the City and the drainage ditches used to convey flood water out were overwhelmed to the point that flood waters back-flowed into the City. Dozens of residents sustained damage to their homes, as well as schools and streets. HMGP provides up to 75 percent federal funding with the remainder of project costs covered by the local (percent) match. The project proposes to acquire property for a storm detention area; construct a detention pond; install drainage piping and connections from the proposed detention pond and existing pump station to the drainage canal; and install a pump station to evacuate the detention pond and associated appurtenances, which will include storm sewer manholes, check valves, head walls, and paving. The detention pond will serve as additional capacity, while the proposed pump structure evacuates the pond and drainage ditches into the Hidalgo Drainage System. The pump structure will increase flow outwards and prevent flood waters from neighboring areas to flow into the City.	Willacy	12110207, 12110208	121102070100, 121102080300, 121102080400, 121102080500		Ongoing	\$ 750,216	Yes	FIF, HMGP (FEMA/TDEM), local	2022	Unknown
15000026	15	Lower Rio Grande	Primera Drainage Master Plan, FIF Project Number 40139.	Category 2 FIF (FIF13731). The proposed study will develop a comprehensive plan to address critical drainage problems within city limits. The study will develop a comprehensive evaluation of existing drainage conditions; provide inventory and mapping of existing drainage infrastructure; review applicable local, state, and federal regulations; analyze known and potential flooding issues; conduct a hydrological and hydrographic model; prepare a capital improvements plan that includes budget estimates for proposed improvements; and evaluate funding mechanisms for capital improvements plan projects. The City is also planning to develop a floodplain management program to fulfill additional requirements	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 300,000	Yes	FIF, local	2021	Unknown

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000027	15	Lower Rio Grande	Storm Sewer and Drainage System GIS Mapping and Hydraulic Study, FIF Project Number 40140	Category 2 FIF (FIF13716), The City's existing storm sewer system has been developed over the span of many decades and consists of many different sections and components, including storm drains and ditches. The City does not have a complete and cohesive city-wide storm system mapping, and the maps they have are not in a digital GIS format. The City's existing drainage ditches, which are not mapped, are an intrinsic and critical component of the citywide drainage infrastructure because much of the isolated storm sewer systems outfall into these ditches. Mapping and hydraulic analysis of the City's drainage system are needed to help as planning tools and to assist in the analysis of flood-prone areas. These mapping tools are essential when making decision regarding drainage and flood mitigation infrastructure improvements. The City's proposed GIS mapping project consists of surveying, documenting, and collecting crucial data pertaining to the various components of the City's storm sewer system. Important data to be collected and incorporated into the GIS Mapping include depth of the catch basins, grate sizes, direction of flow, pipe size and depth, pipe materials, and notes regarding the current state of the existing infrastructure. The data will then be transferred into a digital interactive map of the City allowing users the ability to navigate throughout the map and select a specific point that will reflect all the data collected at that point in the system.	Hidalgo		121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 75,000	Yes	FIF, local	2021	Unknown
15000028	15	Lower Rio Grande	Cameron County Paso Real Drainage, FIF Project Number 40156	Category 2 FIF (FIF13662), The project proposes to remove the overbrush in the resaca and converting the Resaca into a detention pond by constructing a weir system with a 48-inch outfall pipe to convey floodwaters into Cameron County Drainage District's ditches to the northwest of the subdivision. This will protect and prevent floodwater from entering the subdivision causing flooding of these residential structures.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 1,470,181	Yes	FIF, local, HMGP	2022	Unknown
15000029	15	Lower Rio Grande	SCADA Control Systems, FIF Project Number 40158	Category 2 FIF (FIF13649), The proposed project will construct 21 SCADA monitoring and control stations throughout the City's resacas, construct detention pond improvements with automated overflow controls for small storm events, and install several water level and rainfall data collection points to be integrated with the City of Brownsville's flood model. Some of these SCADA control locations will add automated flow control to existing valve structures controlling resaca water levels. The proposed improvements will increase stormwater basin capacities and extend the effectiveness of existing storm water detention to help reduce the effects of flooding during smaller storm events.	Cameron	12110208	121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 4,000,000	Yes	FIF, local, HMGP	2022	Unknown
15000030	15	Lower Rio Grande	Regional Detention Pond Project 2 Phase 1B, FIF Project Number 40171	Category 2 FIF (FIF13559), The proposed project, which is Phase 1B of the City's storm water improvements plan, includes construction of an 11-acre storm water detention pond on property currently owned by the Weslaco Independent School District (WISD). The detention pond will be constructed with a level bottom to allow for the possible installation of future soccer fields and other recreational space. Both the WISD and the City will maintain and provide the upkeep of the proposed storm water detention pond. The proposed project will remove approximately 209 houses from the 10-year floodplain.	Hidalgo	12110207, 12110208	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 3,040,000	Yes	FIF, local	2023	Unknown
15000031	15	Lower Rio Grande	Raymondville Drain Project, DFund Project Number 21770	Raymondville Drain Project, DFund Project Number 21771	Willacy				Ongoing	\$ 7,000,000	Yes	DFund, local	2025	Unknown
15000032	15	Lower Rio Grande	City of Laredo Project 1	Improvements to San Isidro Southwest Detention Pond to include Flag Football fields, grading, low water crossing, RW and irrigation	Webb	13080002, 13080003	121101030501, 121101050401, 121102060103, 121102060105, 121101050502, 121101050601, 121101050602, 130800022303, 130800022304, 130800022305, 130800022401, 130800022402, 130800022403, 130800022404, 130800022405, 130800022601, 130800022602, 130800021506, 130800021405, 130800021902, 130800021903, 130800021904, 130800021905, 130800021907, 130800021909, 130800022301, 130800022302, 130800022603		Ongoing	\$ 195,000,000	Yes	Local Funds	2023	Unknown

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000033	15	Lower Rio Grande	City of Laredo Project 2	Drainage Improvements at Bibliotech at Ana Maria Lozano	Webb	13080002, 13080003	121101030501, 121101050401, 121102060103, 121102060105, 121101050502, 121101050601, 121101050602, 130800022303, 130800022304, 130800022305, 130800022401, 130800022402, 130800022403, 130800022404, 130800022405, 130800022601, 130800022602, 130800021506, 130800021405, 130800021902, 130800021903, 130800021904, 130800021905, 130800021907, 130800021909, 130800022301, 130800022302, 130800022603		Ongoing	\$ 1,460,000	Yes	Local Funds	2023	Unknown
15000034	15	Lower Rio Grande	City of Laredo Project 3	Flores St. Drainage and Utility Improvements	Webb	13080002, 13080003	121101030501, 121101050401, 121102060103, 121102060105, 121101050502, 121101050601, 121101050602, 130800022303, 130800022304, 130800022305, 130800022401, 130800022402, 130800022403, 130800022404, 130800022405, 130800022601, 130800022602, 130800021506, 130800021405, 130800021902, 130800021903, 130800021904, 130800021905, 130800021907, 130800021909, 130800022301, 130800022302, 130800022603		Ongoing	\$ 2,800,000	Yes	0	2023	Unknown
15000035	15	Lower Rio Grande	Flume Improvement Project	The project consists of improving an existing concrete, open-channel flume structure on the District's main canal with a new double 54-inch diameter PVC pipeline encased in two 72-inch diameter steel casings. The District estimates that the proposed project will increase capacity from 90 to 150 cu ft/sec, which is sufficient to meet the District's full water demands.	Cameron				Ongoing	\$ 865,000	Yes	DFund, local	2023	Unknown
15000036	15	Lower Rio Grande	City of Laredo Project 5	City of Laredo Citywide Drainage Improvement Project including: Chacon Creek, Summer Retention Pond, Zacate Creek, Ponderosa, San Jose, Manadas / Manadas West, Bristol Road, Muller Pond Spillway, Springfield Extension.	Webb	13080002, 13080003	121101030501, 121101050401, 121102060103, 121102060105, 121101050502, 121101050601, 121101050602, 130800022303, 130800022304, 130800022305, 130800022401, 130800022402, 130800022403, 130800022404, 130800022405, 130800022601, 130800022602, 130800021506, 130800021405, 130800021902, 130800021903, 130800021904, 130800021905, 130800021907, 130800021909, 130800022301, 130800022302, 130800022603		Ongoing	\$ 6,000,000	Yes	Local Funds	2023	Unknown

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000037	15	Lower Rio Grande	3 3/4 Mile Rd. & Shuerbach Rd. (Pct3)_2018 Bond Project 2	Construction Of A Drainage Ditch And Roadway Culvert Crossing Extending From East N. Schuerbach Rd. To East Los Ebanos Rd. Into Linda Vista Drainage Ditch.	Hidalgo	12110207, 12110209	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 2,235,749	Yes	Local Funds	2023	Unknown
15000038	15	Lower Rio Grande	East Mercedes (Pct1)_2018 Bond Project 10	Channel And Culvert Improvements To The Drainage Ditches Located In The Vicinity Of Fm 2556, Extending From North Of Expressway 83 South To The Arroyo.	Hidalgo	12110207, 12110217	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 6,495,192	Yes	Local Funds	2023	Unknown
15000039	15	Lower Rio Grande	Faysville Drain (Pct4)_2018 Bond Project 11	Project Consists Of The Extension Of A Drainage Ditch That Was Created To Provide An Outfall For Us 281/I-69C, The Community Of Faysville And Surrounding Areas. Faysville Drain Will Ultimately Outfall Into The Proposed Raymondville Drain.	Hidalgo	12110207, 12110219	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 6,902,445	Yes	Local Funds	2023	Unknown
15000040	15	Lower Rio Grande	Brownsville Stormwater Improvements, CWSRF Project 73848	The City proposes to implement several mitigation and preservation type projects. The project components include the construction of a Park/Detention pond system (Waterplein Park); reconstruction of a stormwater pump station; several culvert improvements, including addition of Supervisory Control and Data Acquisition (SCADA) system; and improvements to several flood control infrastructure in the West Brownsville area. These projects are intended to mitigate flooding and drainage risks in the area.	Cameron				Ongoing	\$ 7,000,000	Yes	CWSRF	2023	Unknown
15000041	15	Lower Rio Grande	Hidalgo Drain (Pct2)_2018 Bond Project 13	Upgrade Existing Culvert Structures, Cleaning, Regrading, And Widening Of The Existing Ditch To Increase Linear Detention And Positive Flow To The Outfall At The Mission Inlet.	Hidalgo	12110207, 12110222	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 1,500,000	Yes	Local Funds	2023	Unknown
15000042	15	Lower Rio Grande	J-08 Drain (Pct4)_2018 Bond Project 15	The Project Consists Of Improving The Existing J-08 Drainage Ditch By Acquiring New Right Of Way, Regrading, Widening And Creating A Maintenance Bench.	Hidalgo	12110207, 12110224	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 7,032,968	Yes	Local Funds	2023	Unknown
15000043	15	Lower Rio Grande	Jackson Rd. Drain (Pct2)_2018 Bond Project 16	Channel And Culvert Widening Of The Drainage System, Including The Addition Of A Culvert Crossing. The Project Will Also Create Gated Structures And Portable Pump Staging Area That Will Provide Continual Discharge Into The Mission Inlet To Relieve Area Flooding.	Hidalgo	12110207, 12110225	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 3,618,750	Yes	Local Funds	2023	Unknown
15000044	15	Lower Rio Grande	Mission-McAllen Rado Alternate (Pct2)_2018 Bond Project 25	Culvert And Channel Improvements Will Include A Culvert Along Colbath Ave And Taylor Rd Right-Of-Way And A New Outfall Ditch At The Mission Inlet Drain Ditch.	Hidalgo	12110207, 12110234	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 7,181,250	Yes	Local Funds	2023	Unknown

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000045	15	Lower Rio Grande	Mission Lateral (Pct3)	Proposed Widening, Culvert Crossing And Detention Facilities To Increase Linear Detention And Functionality Of Existing Mission Lateral Drainage Ditch.	Hidalgo	12110207, 12110235	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311		Ongoing	\$ 12,779,500	Yes	Local Funds	2023	Unknown
15000046	15	Lower Rio Grande	Ditch 023 Us 83 in Mercedes	The Proposed Improvements Along Ditch 023 Will Provide Additional Relief To Both Hidalgo And Cameron County. Ditch 023 Carries Water Through Hidalgo And Cameron County To The Arroyo Colorado. The Improvements Would Provide Relief To Cameron County Within Ditch 023'S Drainage Areas.	Hidalgo, Cameron	12110207, 12110231, 12110208	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080600, 130900011701, 130900011704, 130900011705, 130900011706, 130900020311, 121102080300, 121102080600, 121102080700, 121102080800, 121102080900		Ongoing	\$ 1,900,000	Yes	Local Funds	2023	Unknown
15000047	15	Lower Rio Grande	4 1/2 Mile Rd. & N. Doffing Rd...2018 Bond Project 3	Construction of a drainage ditch with culvert crossings between N. Doffing Rd. and N. Minnesota Rd. running south to north from Mile 4 into West Main Drain III.	Hidalgo				Ongoing	\$ 950,974	Yes	Local Funds	2023	Unknown
15000048	15	Lower Rio Grande	4 Mile Rd. & Minnesota Rd...2018 Bond Project 4	Regrade of roadside ditch and storm drainage system running North along Doffing Rd. and through proposed easements to outfall into a proposed drain ditch and ultimately into Linda Vista drain.	Hidalgo				Ongoing	\$ 259,531	Yes	Local Funds	2023	Unknown
15000049	15	Lower Rio Grande	5 1/2 Mile Road & N. Bentsen Palm Drive...2018 Bond Project 5	Proposed construction of drainage swales, regrading of roadside ditches and installation of roadway culverts along N. Bentsen Palm Dr. to accommodate excess runoff from low areas.	Hidalgo				Ongoing	\$ 80,434	Yes	Local Funds	2023	Unknown
15000050	15	Lower Rio Grande	7 1/2 Mile Rd. & Glasscock Rd...2018 Bond Project 6	Proposed storm drainage system along existing roadway ROW connecting to a future TxDOT system.	Hidalgo				Ongoing	\$ 354,375	Yes	Local Funds	2023	Unknown
15000051	15	Lower Rio Grande	7 1/2 Mile Rd. & Western Rd...2018 Bond Project 7	Construction of a drainage ditch, roadway culvert crossings and storm drainage system to increase additional detention volume to the existing J-08 drainage ditch.	Hidalgo				Ongoing	\$ 340,938	Yes	Local Funds	2023	Unknown
15000052	15	Lower Rio Grande	Anaquitas...2018 Bond Project 8	Channel and culvert improvements to the Anaquita Drain ditch from Business 83 south to the Arroyo. Channel and culvert improvements are also recommended upstream of this drain, starting at Baseline Road and South James Drive in Mercedes.	Hidalgo				Ongoing	\$ 7,670,000	Yes	Local Funds	2023	Unknown
15000053	15	Lower Rio Grande	Delta Regional Reservoir...2018 Bond Project 9	Construction of a 200+ acre off-line detention pond near Mile 17 North and Uncle Peters Road to mitigate flooding up and downstream of the Main Floodwater Channel Drain.	Hidalgo				Ongoing	\$ 10,000,000	Yes	Local Funds	2025	Unknown
15000054	15	Lower Rio Grande	FM 493 & Country Road...2018 Bond Project 12	New storm drainage system for the neighborhoods located between South River Road and surrounding the Chaparral Drain.	Hidalgo				Ongoing	\$ 1,305,000	Yes	Local Funds	2023	Unknown
15000055	15	Lower Rio Grande	Highway 281 & FM 88...2018 Bond Project 14	Proposed storm water pump station located near Ranchitos de Progreso subdivision at the intersection of FM88 & Highway 281.	Hidalgo				Ongoing	\$ 1,452,000	Yes	Local Funds	2023	Unknown
15000056	15	Lower Rio Grande	Las Milpas...2018 Bond Project 17	Drainage system and culvert improvements will include the widening of drain ditches leading up to the outfall points at the South Lateral Drain, which will relieve the area of flooding.	Hidalgo				Ongoing	\$ 1,922,500	Yes	Local Funds	2023	Unknown
15000057	15	Lower Rio Grande	Malone Drive & Pomelo Road...2018 Bond Project 18	New storm drainage system for the neighborhood northeast of Pomelo Road and Malone Drive.	Hidalgo				Ongoing	\$ 609,000	Yes	Local Funds	2023	Unknown
15000058	15	Lower Rio Grande	Mid Valley Airport...2018 Bond Project 19	Channel and culvert improvements to the drainage ditch network for the area. New storm drainage system and detention ponds for Joe Stephens Avenue and the neighborhood east of the airport to relieve area flooding.	Hidalgo				Ongoing	\$ 7,615,920	Yes	Local Funds	2023	Unknown
15000059	15	Lower Rio Grande	Mile 10 N & Baseline Road...2018 Bond Project 20	Channel and culvert improvements to the major drainage ditch south of the neighborhood area. New storm drainage system for the neighborhood and a detention pond on the south to relieve from area flooding.	Hidalgo				Ongoing	\$ 1,899,136	Yes	Local Funds	2023	Unknown
15000060	15	Lower Rio Grande	Mile 9 N & FM 1015...2018 Bond project 24	Channel and culvert improvements to the drainage ditch network for the area, including the extension of an existing drainage ditch. New storm drainage system and associated detention ponds for Las Brisas, Chapa subdivisions and Onyx Drive neighborhoods.	Hidalgo				Ongoing	\$ 10,645,208	Yes	Local Funds	2023	Unknown
15000061	15	Lower Rio Grande	Cameron County Drainage District No. 3 Flood Protection Study, FIF Project Number 40023	This new study will include new hydrologic and hydraulic modeling of the entire drainage district boundary, including all of the district drainage ditches, as well as all the other municipality drainage ditches that lay within the overall drainage district boundary. The goal of this project is to evaluate flood risk for the entire study area using more robust unsteady and 2-dimensional hydraulic modeling (where needed) coupled with a refined hydrologic analysis with defined sub-watersheds. This project will include a study of 320 linear miles of channel, topographic field survey of 1 channel section per stream mile, and field survey of 451 bridge/culvert crossings. This project will result in a new hydrologic and hydraulic model, an alternative analysis to identify structural and non-structural flood control projects, a benefit-cost analysis for each alternative evaluated, three (3) public meetings, three (3) stakeholder meetings, and a final engineering report documenting the analysis performed and recommendations made. This project will also include an effort to assist with identifying and improving upon regional real-time flood warning measures that could be implemented in the future, and also assist with identifying potential future funding sources for construction of identified flood reduction and improved channel conveyance projects. A bulleted list of project elements/components is provided below: <ul style="list-style-type: none"> •New hydrologic model using NOAA Atlas 14 precipitation estimates; •New unsteady 1D/2D hydraulic model of study streams; •New field survey (where needed); •Flood reduction alternative analysis; •Benefit-cost analysis; •Environmental constraints investigation; •Consideration of "Green Infrastructure" and "Water Supply" related alternatives; and •Public outreach to gain input on known flood risks throughout HUC-10 boundary 	Cameron				Ongoing	\$ 1,485,000	No	FIF, local	2023	Unknown
15000062	15	Lower Rio Grande	Monte Cristo Rd. & Conway Rd., 2018 Bond Project 27	Addition of detention facilities, culvert crossings and cleaning improvements of existing drainage ditch.	Hidalgo				Ongoing	\$ 7,392,016	Yes	Local Funds	2023	Unknown

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000063	15	Lower Rio Grande	Phase 1 Flood Control Project, FIF Project Number 40031 ; Bond Projects 21, 22 ,23.	Description: The proposed project is located between Mile 9 North, Mile 15 North, FM 493, and the IBWC floodway, an area containing approximately 18,600 acres, just north of the city of Weslaco. The project has been divided into four segments that interconnect and drain into the two outfalls that drain into the IBWC floodway. The construction of each segment is composed of channel excavation, regional detention pond excavation, embankment, gate well control structure, pump and controls, concrete rip rap, reinforced concrete boxes, and reinforced concrete pipe. The rights-of-way are limited in the area; therefore, land acquisition is included in the project. The improvements will benefit over 400 structures in the area. The project will reduce the water surface elevation by more than 1.5 feet and it will increase the storage and discharge capacity of the storm system.	Hidalgo				Ongoing	\$ 32,670,000	Yes	FIF, local	2023	Unknown
15000064	15	Lower Rio Grande	Lower Rio Grande Valley Regional Flood Protection Planning, FIF Project Number 40038	The Lower Rio Grande Valley Development Council (Council) is requesting financial assistance to conduct a regional flood planning study. The Lower Rio Grande Valley Regional Flood Protection Planning study proposes to address flood planning needs through the following tasks: <ul style="list-style-type: none"> •Contribute to and facilitate regional administrative coordination; •Conduct, coordinate and integrate the results of multiple FIF Category 1 project tiered hydrologic and hydraulic studies for possible future use in FEMA Flood Risk assessments; •Commission a network of real time hydrologic stations within the region's major drainage network to gather data necessary for hydrologic and hydraulic modeling; •Expand the regional clearinghouse of hydrologic, hydraulic, socio-economic data, along with a database of regional structural and non-structural projects; •Identify local structural and non-structural controls; •Promote the development and adoption of regional drainage policies and flood response and resiliency coordination networks to minimize and mitigate the impact of local flooding; and •Assess the feasibility of capital improvement projects identified along with cost-benefit analyses. <p>With improved drainage data, collaboration, and capacity, the Lower Rio Grande Valley Regional Flood Protection Planning Project seeks to advance the regions' resilience and robustness to flooding events.</p>	Cameron				Ongoing	\$ 7,983,000	No	FIF, local	2024	Unknown
15000065	15	Lower Rio Grande	Old La Blanca & Mile 10 N_2018 Bond Project 28	New storm drainage system along De Los Rios Avenue and Encino Drive.	Hidalgo				Ongoing	\$ 496,000	Yes	Local Funds	2023	Unknown
15000066	15	Lower Rio Grande	Railroad Spur Drainage Detention Area, FIF Project Number 40048	The proposed project includes improvements to 11.45 acres of undeveloped, County-owned land along the railroad spur created from the track that runs parallel to US Hwy 77, and a decommissioned branch that runs in the perpendicular direction. The land will be developed into a bird sanctuary or nature park with a two-acre-foot detention pond in the center. The project will also include regrading, rerouting, and reinstallation of existing storm drainpipes, drainage structures, and culvert pipes to the proposed pond.	Willacy				Ongoing	\$ 1,690,300	Yes	FIF, local	2023	Unknown
15000067	15	Lower Rio Grande	Flood Early Warning System, FIF Project Number 40062	This project proposes to create a Flood Early Warning System for Val Verde County by installing flood monitoring equipment at 8 sites and a Communication Tower. Upon completion of this project, Val Verde County will have ability to disseminate messages pertaining to the health, safety, or welfare to its citizens when affected by an emerging, or imminent flood event.	Val Verde				Ongoing	\$ 500,000	Yes	FIF, local	2023	Unknown
15000068	15	Lower Rio Grande	PD-Lateral_2018 Bond Project 29	Construction of a drainage ditch with roadway crossings to outfall into existing Peñitas drainage ditch.	Hidalgo				Ongoing	\$ 4,586,474	Yes	Local Funds	2023	Unknown
15000069	15	Lower Rio Grande	Peñitas Drain_2018 Bond Project 30	Extension of Peñitas Drain consisting of a construction of a drainage ditch with roadway crossings.	Hidalgo				Ongoing	\$ 5,393,595	Yes	Local Funds	2023	Unknown
15000070	15	Lower Rio Grande	Pharr-McAllen Drain_2018 Bond project 31	New storm drainage system and culvert improvements will include the addition of culverts at the Irrigation Canal and Ridge Rd crossings to increase capacity.	Hidalgo				Ongoing	\$ 891,250	Yes	Local Funds	2023	Unknown
15000071	15	Lower Rio Grande	Raymondville Drain_2018 Bond Project 32	Project consists of a new drainage ditch connecting to existing channels. Existing channels will be improvements to the approximate 63-mile drainage system of in-line and off-line detention, reservoirs, and control structures that stretches from Edinburg Lake (Hidalgo Co.) to the Laguna Madre (Willacy Co.).	Hidalgo				Ongoing	\$ 15,000,000	Yes	Local Funds	2023	Unknown
15000072	15	Lower Rio Grande	South "I" Road Detention_2018 Bond Project 33	New detention facilities to mitigate flooding and store potentially damaging floodwaters temporarily until the channels can safely carry the water away.	Hidalgo				Ongoing	\$ 4,408,000	Yes	Local Funds	2023	Unknown
15000073	15	Lower Rio Grande	South Lateral Drain_2018 Bond Project 34	Widening of the channel to expedite drain flow, and the addition of detention facilities at the upstream end connecting to the Main Floodway.	Hidalgo				Ongoing	\$ 13,350,000	Yes	Local Funds	2023	Unknown
15000074	15	Lower Rio Grande	Southwest Weslaco_2018 Bond Project 35	Channel and culvert improvements to the drainage ditch network for the area. New regional storm drainage detention ponds and sump detention ponds with pumping stations at the Floodway.	Hidalgo				Ongoing	\$ 10,504,952	Yes	Local Funds	2023	Unknown
15000075	15	Lower Rio Grande	Willacy County Drainage District No. 2 Regional Detention Facilities, FIF Project Number 40088	The proposed project includes construction of two detention ponds with a total storage of 91.5 acre-feet adjacent to the existing drainage ditch, land acquisition, installation of intake and outfall reinforced concrete piping, check valves for flow control between the ponds and ditch, and headwall concrete flow structure. The total surface area of the two detention ponds will be 10 acres. The ponds will be sized to hold excess water during storm events when the drainage system is overburdened, allowing storm water from other zones to cross the weir structure and preventing flooding in other areas. The detention ponds will provide relief not only to the nearby area, but to the entire system as stormwater makes its way from Hidalgo County to Willacy County and to its final destination in the Gulf of Mexico.	Willacy				Ongoing	\$ 438,473	Yes	FIF, local	2023	Unknown
15000076	15	Lower Rio Grande	Sunflower Drain_2018 Bond Project 36	Purchase additional right of way. Construct a proposed drain ditch. Upgrade existing connection to South Main Drain. Upgrade from existing culvert crossing underneath State Highway 107.	Hidalgo				Ongoing	\$ 1,132,727	Yes	Local Funds	2023	Unknown
15000077	15	Lower Rio Grande	Western Rd & 9 Mile Line_2018 Bond Project 37	Regrade of roadside ditch and installation of driveway culverts along North Abram Rd. to alleviate flooding issues.	Hidalgo				Ongoing	\$ 80,434	Yes	Local Funds	2023	Unknown
15000078	15	Lower Rio Grande	Capital Acquisition of In-House Machinery and Equipment_2018 Bond Project 38	Purchase of in-house machinery and equipment to be used for maintenance and operations	Hidalgo				Ongoing	\$ 4,000,000	No	Local Funds	2022	Unknown
15000079	15	Lower Rio Grande	GLO River Basin Flood Study	Hydrologic and Hydraulic Study of Cameron, Hidalgo, Starr and Willacy County for the identification of regional flood mitigation projects and grant opportunities.	Cameron, Hidalgo, Starr, Willacy				Ongoing	\$ 10,000,000	No	CDBG-DR	2024	Unknown
15000080	15	Lower Rio Grande	Brownsville Stormwater Improvements, CWSRF Project 73848	The City proposes to implement several mitigation and preservation type projects. The project components include the construction of a Park/Detention pond system (Waterplein Park); reconstruction of a stormwater pump station; several culvert improvements, including addition of Supervisory Control and Data Acquisition (SCADA) system; and improvements to several flood control infrastructure in the West Brownsville area. These projects are intended to mitigate flooding and drainage risks in the area.	Cameron				Ongoing	\$ 7,000,000	Yes	CWSRF	2023	Unknown
15000081	15	Lower Rio Grande	City of McAllen - Harvey Avenue Bridge Improvements	This project consists of the removal and replacement of bridge structures along Bicentennial Blueline to improve drainage.						\$ 1,550,222.84		BOND 2018	2023	
15000082	15	Lower Rio Grande	City of McAllen - Northwest Regional Storm water Detention Facility.	Analysis and design of regional storm water detention facility. This RDF will serve as a drainage basin for the Northwest Blueline. NE corner of N. 29th St. and Oxford Ave.						\$ 4,600,000.00		BOND 2018	2024	
15000083	15	Lower Rio Grande	City of McAllen - Primrose Ave. at Bicentennial Dr. Storm Sewer Outfall Improvements	Localized flooding; storm sewer infrastructure. Contract engineer to review data from the areas of concern and determine the design of the drainage improvements. Improvements may include, but are not limited to upgrading existing storm sewer infrastructure to new storm sewer improvements. Primrose Ave. and Bicentennial Dr.						\$ 120,000.00		BOND 2018	2023	
15000084	15	Lower Rio Grande	City of McAllen - Quamasia Ave. at N. 11th St. Drainage Improvements	Localized flooding; storm sewer infrastructure. Contract engineer to review data from the areas of concern and determine the design of the drainage improvements. Improvements may include, but are not limited to upgrading existing storm sewer infrastructure to new storm sewer improvements.						\$ 697,033.46		BOND 2018	2023	
15000085	15	Lower Rio Grande	City of McAllen - Pump Bypass Station 254 BL	Permanent suction/discharge infrastructure and site-staging improvements to facilitate operation of portable trailer-mounted stormwater pump for bypass operations.						\$ 181,108.64		BOND 2018	2023	

TABLE 2: SUMMARY OF PROPOSED OR ONGOING FLOOD MITIGATION PROJECTS

Existing Project ID	RFPG No.	RFPG Name	Project Name	Description	Counties	HUC8s	HUC12s	Watersheds	Project Status	Project Cost	Dedicated Funding for Construction (Yes/No)	Source of Funding	Expected Year of Completion	Anticipated Benefit
15000086	15	Lower Rio Grande	City of McAllen - Pump Bypass Station 255	Permanent suction/discharge infrastructure and site-staging improvements to facilitate operation of portable trailer-mounted stormwater pump for bypass operations.						\$ 181,108.64		BOND 2018	2023	
15000087	15	Lower Rio Grande	City of McAllen - E. Tamarack Ave. Drainage Improvement	Localized flooding; storm sewer infrastructure. Contract engineer to review data from the areas of concern and determine the design of the drainage improvements. Improvements may include, but are not limited to upgrading existing storm sewer infrastructure to new storm sewer improvements.						\$ 25,000.00		BOND 2018	2023	
15000088	15	Lower Rio Grande	City of McAllen - Northgate Ln. from N. 2nd St. to N. 10th St. Drainage Improvements	The project consists of new storm sewer infrastructure with related appurtenances to adequately capture and convey storm water runoff to the nearest downstream receiving system. A total of 5,240 linear feet of new pipe ranging from 24-inches to 48-inches in diameter, and 2,420 linear feet of existing roadside swale reconstruction/re-grading will be used as conveyance, while 14 grate inlets will be used to capture storm water runoff. All public utilities (sanitary sewer, water) in need of adjustment due to conflicts by the proposed storm sewer network will be done in accordance to current federal, state and local specifications.						\$ 980,000.00		Bond 2018 (FEMA Hazard Mitigation Assistance Program).	2023	
15000089	15	Lower Rio Grande	City of McAllen - Quince Ave. PH V	The project consists of storm sewer infrastructure installation along Quince Avenue, from 27th street to 24th street and includes 24th street up to Redwood Avenue and 25th Street south of Sycamore Avenue. Improvements include the installation of a storm sewer and related appurtenances as well as associated pavement reconstruction, curb and gutter, sidewalk and waterline upgrade.						\$ 1,516,935.00		FEMA Hazard Mitigation Assistance Program	2023	
15000090	15	Lower Rio Grande	City of McAllen - N. Main St. at Jay Ave. Drainage Improvements	This project consists of an installation of a new storm sewer trunk line, associated laterals, and inlets.						\$ 504,000.00		Drainage Utility Fee	2023	
15000091	15	Lower Rio Grande	City of McAllen - NE McAllen/Edinburg Lateral Drainage Improvements	Secure necessary public right-of-way and excavation of a new drainage channel to tie into existing downstream outfall.						\$ 6,000,000.00		Drainage Utility Fee	2026	
15000092	15	Lower Rio Grande	City of McAllen - McAllen Lateral Channel Improvements	Proposed storm sewer infrastructure improvements to address an area with a limited and undersized existing storm sewer system						\$ 2,000,000.00		Drainage Utility Fee	2028	
15000093	15	Lower Rio Grande	City of McAllen - Torres Acres Drainage Improvements	Paving improvements and installation of a new storm sewer system						\$ 211,006.00		Drainage Utility Fee	2023	
15000094	15	Lower Rio Grande	City of McAllen - Quince Ave. at N. 27th Street Drainage Improvements	New storm sewer line and inlets to connect to an existing storm line						\$ 777,900.00		Development Corporation	2023	
15000095	15	Lower Rio Grande	City of McAllen - NW Blue Line Hibiscus Tributary Drainage Improvements	The scope of this project involves excavation and re-grading of approximately 1,200-linear feet of an existing drainage ditch to improve stormwater flow and storage capacity. Associated activity also includes reconstruction of existing storm sewer outfalls and vegetative stabilization of the banks						\$ 251,975.00		Drainage Utility Fee	2023	
15000096	15	Lower Rio Grande	City of McAllen - Balboa Ditch Sluice Gates	Upgrade and rehabilitation of an existing gated flood control structure.						\$ 407,680.00		Drainage Utility Fee	2023	
15000097	15	Lower Rio Grande	City of McAllen - Trade Zone Pump Station	Upgrade and rehabilitation of an existing stormwater pump station						\$ 225,797.00		Drainage Utility Fee	2023	
15000098	15	Lower Rio Grande	City of McAllen - Toronto Ave. at S. 16th St. Drainage Improvements	Replacement of existing curb inlets and installation of new storm sewer line						\$ 135,004.00		CDBG	2023	
15000099	15	Lower Rio Grande	City of McAllen - Idela Ave. at S. 33rd St. to S. 29th St. Drainage Improvements	Installation of new storm line and curb inlets						\$ 132,548.00		CDBG	2023	
15000100	15	Lower Rio Grande	City of McAllen - N. Main St. at Fir Ave. Drainage Improvements	Installation of new storm sewer line and drain inlets.						\$ 110,000.00		CDBG	2023	
15000101	15	Lower Rio Grande	City of McAllen - Harvey Pump Station Improvements	Upgrade and rehabilitation of an existing storm water pump station						\$ 51,300.00		Drainage Utility Fee	2024	
15000102	15	Lower Rio Grande	City of McAllen - Quince Ave. and N. 8th St. Drainage Improvements	Installation of a new storm sewer trunk line, associated laterals, and inlets						\$ 194,480.00		Drainage Utility Fee	2024	
15000103	15	Lower Rio Grande	City of McAllen - Quince Ave. Phase 2 Drainage Improvements	New storm sewer line and inlets to connect to an existing storm line						\$ 210,000.00		CIP	2025	
15000104	15	Lower Rio Grande	City of McAllen - MS4 Storm Water Monitoring Program	Purchase and installation of automated monitoring equipment for the quantity and quality of storm water discharges in City drainage channels								Bond 2018	2023	
15000105	15	Lower Rio Grande	City of McAllen - El Rancho Subdivision Drainage Improvements	Replacement of an undersized storm sewer trunk line, associated laterals, and inlets.								TIRZ		
15000106	15	Lower Rio Grande	City of McAllen - El Rancho Rd. Street and Drainage Improvements	Widening of existing rural road to 5 lane urban roadway.								TIRZ		
15000107	15	Lower Rio Grande	City of McAllen - El Rancho RDF	Final phase of excavation of RDF, including storm water pump						\$ 1,500,000.00		TIRZ		
15000108	15	Lower Rio Grande	City of McAllen - South McColl Rd. at Pineridge Ave. Improvements	Replacement of an undersized storm sewer trunk line, associated laterals, and inlets								TIRZ		
15000109	15	Lower Rio Grande	City of McAllen - Dallas Ave. at S. 1st St. Improvements	Installation of new storm sewer system.								TIRZ		
15000110	15	Lower Rio Grande	City of McAllen - Yuma Ave. Street and Drainage Improvements	Widening of existing rural road to 5 lane urban roadway.								TIRZ		
15000111	15	Lower Rio Grande	City of McAllen - Augusta Ave. Drainage Improvements	Installation of new storm sewer system								TIRZ		
15000112	15	Lower Rio Grande	City of McAllen - Country Club Terrace Drainage Improvements									TIRZ		
15000113	15	Lower Rio Grande	City of McAllen - Oakland Ave. Street and Drainage Improvements	New roadway extension								TIRZ		
15000114	15	Lower Rio Grande	City of McAllen - Boeye Drainage Improvements	Convert open channel to underground box culverts.								TIRZ		
15000115	15	Lower Rio Grande	City of McAllen - SE RDF (Nyssa Ave. and N. 4th St.)	Excavation of new detention facility.								TIRZ		

TABLE 3: EXISTING CONDITION FLOOD RISK SUMMARY TABLE

Table 3: Existing Condition Flood Risk Summary Table (by County)

	RFPG No.	RFPG Name	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk									0.2% Annual Chance Flood Risk									Possible Flood Prone Areas								Average SVI of features in floodplain or flood prone areas			
					Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population (Daytime)	Population (Nighttime)	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population (Daytime)	Population (Nighttime)	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area (sqmi)	Number of Structures in Flood Prone Area	Residential Structures in Flood Prone Area	Population (Daytime)	Population (Nighttime)	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)		Critical Facilities (#)		
1	15	Lower Rio Grande	Brooks	685.7	230.2	151	13	14	40	0	29.9	111.5	0	237.7	169	17	18	52	0	31.4	115.1	0	0	0	0	0	0	0	0	0	0	0	0	0.9
2	15	Lower Rio Grande	Cameron	1,020.30	479	22,451	18,584	54,619	59,981	2	898.3	154.3	34	819.2	94,637	79,453	308,187	295,448	2	1917.6	325.9	198	11	1,462	1,268	2,445	3,712	0	54.5	8	0	0.81		
3	15	Lower Rio Grande	Dimmit	172.2	41.9	3	0	0	1	0	0.8	1.0	0	46.2	6	0	0	6	0	1.1	1.2	0	0	0	0	0	0	0	0	0	0	0	0.98	
4	15	Lower Rio Grande	Edwards	138.8	30.5	27	3	0	9	6	18.1	0.1	0	33.2	43	5	0	11	6	19.3	0.1	0	0	0	0	0	0	0	0	0	0	0.48		
5	15	Lower Rio Grande	Hidalgo	1586.4	708.1	70,668	57,097	153,388	227,375	16	1914.0	401.3	65	925.7	165,300	134,093	531,400	562,417	16	3043.1	530.1	282	2.36	1921	1644	5086	7,140	0	26.5	0.69	5	0.83		
6	15	Lower Rio Grande	Jim Hogg	870.5	138.6	42	2	6	18	1	16.2	70.9	1	172.2	99	4	31	61	1	20.9	93.6	1	0	0	0	0	0	0	0	0	0	0	0.9	
7	15	Lower Rio Grande	Kenedy	1478.3	576.2	46	3	28	28	0	38.2	208.8	0	820.6	116	10	58	55	0	52.6	308.5	1	0	0	0	0	0	0	0	0	0	0	0.75	
8	15	Lower Rio Grande	Kinney	751.3	232.5	420	164	354	449	44	57.1	11.7	2	265.9	621	282	689	704	44	68.4	14.7	3	0	0	0	0	0	0	0	0	0	0	0.75	
9	15	Lower Rio Grande	Maverick	768.5	223.9	1,832	1,372	3,074	5,421	5	91.2	20.1	1	252.1	3,361	2,564	10,511	10,897	6	121.1	23.1	9	0	0	0	0	0	0	0	0	0	0	0.92	
10	15	Lower Rio Grande	Starr	1232.4	327.6	4,521	3,067	9,732	15,723	0	200.5	93.4	6	365.4	6,696	4,401	19,248	24,277	0	247.5	105.4	20	0	0	0	0	0	0	0	0	0	0	0.93	
11	15	Lower Rio Grande	Val Verde	349.7	91.7	1,387	1,022	2,575	3,045	24	68.1	1.0	2	102.8	2,807	2,056	10,668	6,643	25	85.4	1.2	14	0	0	0	0	0	0	0	0	0	0	0.77	
12	15	Lower Rio Grande	Webb	1654.6	460.1	9,178	7,833	28,358	35,624	26	356.8	13.8	13	512.3	19,770	17,055	99,649	85,727	26	458.9	16.0	44	8	56	12	536	93	0	13	0.072	0	0.81		
13	15	Lower Rio Grande	Willacy	664.3	308.1	4,616	3,451	8,644	11,453	0	270.0	147.0	10	478.8	7,020	5,044	15,304	16,347	0	491.1	259.6	15	0	0	0	0	0	0	0	0	0	0	0.88	
14	15	Lower Rio Grande	Zapata	1057.4	314.2	369	214	525	706	0	36.2	40.5	1	346.5	641	360	819	1,262	0	46.1	46.6	3	0	0	0	0	0	0	0	0	0	0.97		
	Total			12,430.30	4,162.60	115,711	92,825	261,317	359,873	124.0	3995.4	1,275.38	135	5,379	301,286	245,344	996,582	1,003,907	126	6604.5	1,841.05	590	21.36	3439	2924	8067	10945	0	94	8.762	5	0.83		

TABLE 5: FUTURE CONDITION FLOOD RISK SUMMARY TABLE, BY COUNTY

Table 5: Future Condition Flood Risk Summary Table, by county

RFPG No.	RFPG Name	County	Area in Flood Planning Region (sqmi)	1% Annual Chance Flood Risk									0.2% Annual Chance Flood Risk									Possible Flood Prone Areas						Average SVI of features in floodplain or flood prone areas					
				Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population (Daytime)	Population (Nighttime)	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area in Floodplain (sqmi)	Number of Structures in Floodplain	Residential Structures in Floodplain	Population (Daytime)	Population (Nighttime)	Roadway Stream Crossings (#)	Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)	Area (sqmi)	Number of Structures in Flood Prone Area	Residential Structures in in Flood Prone Area	Population (Daytime)	Population (Nighttime)	Roadway Stream Crossings (#)		Roadways Segments (miles)	Agricultural Areas (sqmi)	Critical Facilities (#)		
1	15	Lower Rio Grande	Brooks	685.7	237.7	135	11	11	31	0	31.4	115.1	0	314.9	297	34	72	103	0	62.1	156.8	0	0	0	0	0	0	0	0	0	0	0	0.9
2	15	Lower Rio Grande	Cameron	1,020.30	819.2	83,546	70,520	224,038	247,025	2	1,917.60	326.8	121	968.9	122,450	103,149	405,189	392,250	2	2,796.50	390.4	276	4.3	475	404	471	1,142	0	13.8	3.6	2	0.81	
3	15	Lower Rio Grande	Dimmit	172.2	46.2	3	0	0	2	0	1.12	1.18	0	61.1	13	0	0	29	0	4.7	1.82	0	0	0	0	0	0	0	0	0	0	0.98	
4	15	Lower Rio Grande	Edwards	138.8	33.2	30	3	0	8	6	19.3	0.05	0	50.9	56	7	0	16	6	23.6	0.07	0	0	0	0	0	0	0	0	0	0.48		
5	15	Lower Rio Grande	Hidalgo	1586.4	925.7	142,880	116,803	347,327	480,248	16	3,043.10	530.1	172	1,222.80	216,588	174,832	748,170	738,758	17	4,525.80	688.8	437	1.26	911	770	1987	3,280	0	15.4	0.4	0	0.83	
6	15	Lower Rio Grande	Jim Hogg	870.5	172.2	60	3	14	32	1	20.9	93.6	1	237.3	170	4	53	112	1	46.7	132.1	1	0	0	0	0	0	0	0	0	0	0.9	
7	15	Lower Rio Grande	Kenedy	1478.3	820.6	89	10	50	44	0	52.6	308.5	0	967.2	203	13	82	100	0	87.9	387.1	1	0	0	0	0	0	0	0	0	0	0.75	
8	15	Lower Rio Grande	Kinney	751.3	265.9	524	220	426	556	44	68.4	14.7	2	327.7	828	403	1446	945	46	125.2	18.8	4	0	0	0	0	0	0	0	0	0	0.75	
9	15	Lower Rio Grande	Maverick	768.5	252.1	1,919	1,419	2,797	5,104	6	121.1	23.1	1	326	4,859	3,815	17,439	15,940	9	226.1	29.1	14	0	0	0	0	0	0	0	0	0	0.93	
10	15	Lower Rio Grande	Starr	1232.4	365.4	5,558	3,736	13,407	19,954	0	247.5	105.4	13	469.3	8,649	5,592	25,056	30,549	0	384.2	132.2	25	0	0	0	0	0	0	0	0	0	0.9	
11	15	Lower Rio Grande	Val Verde	349.7	102.8	1,548	1,135	3,173	3,453	25	85.4	1.22	4	138.6	4,479	3,316	16,231	10,557	25	156.1	1.55	16	0	0	0	0	0	0	0	0	0	0.76	
12	15	Lower Rio Grande	Webb	1654.6	512.3	11,076	9,519	31,453	41,910	26	458.9	16	12	694.1	32,458	28,617	141,864	133,733	31	709.6	23.1	65	6.7	40	7	439	44	0	8.5	0.063	0	0.79	
13	15	Lower Rio Grande	Willacy	664.3	478.8	6,685	4,866	13,568	15,588	0	491.1	259.6	14	562.4	8,051	5,582	17,309	19,158	0	790.6	311.3	21	0	0	0	0	0	0	0	0	0	0.86	
14	15	Lower Rio Grande	Zapata	1057.4	346.5	412	237	535	737	0	46.1	46.6	2	452.6	1130	641	2387	2,364	0	102.3	66.7	6	0	0	0	0	0	0	0	0	0	0.97	
Total				12,430.30	5,379	254,465	208,482	636,799	814,692	126	6,604.52	1,841.95	342	6,794	400,231	326,005	1,375,298	1,344,614	137	10,041.40	2,339.84	866	12.26	1426	1181	2897	4466	0	37.7	4.063	2	0.83	

TABLE 6: EXISTING FLOODPLAIN MANAGEMENT PRACTICES

Table 6: Existing Floodplain Management Practices

Entity ¹	Floodplain management regulations (Yes/ No/ Unknown) ¹	Adopted minimum regulations pursuant to Texas Water Code Section 16.3145? (Yes/ No) ¹	NFIP Participant (Yes/ No) ¹	Higher Standards Adopted (Yes/ No) ²	Floodplain Management Practices (Strong/Moderate/ Low/None) ²	Level of enforcement of practices (High/ Moderate/ Low/ None) ²	Existing Stormwater or Drainage Fee (Yes/No) ²	Web Link to entity regulations ²
Brooks	Unknown	Yes*	Yes					
Cameron	Yes	Yes	Yes	Yes	Moderate	High		https://www.cameroncounty.us/wp-content/uploads/2020/05/Cameron-County-Floodplain-Regulations.pdf
Dimmit	Unknown	Yes*	Yes					
Edwards	Yes	No	No	No	None	None	No	Subdivision Regulations.pdf (edwards.tx.us)
Hidalgo	Unknown	Yes*	Yes					
Jim Hogg	No	No	Yes	No	Low	None	No	N/A
Kenedy	Unknown	Yes*	Yes					
Kinney	Unknown	Yes*	Yes					
Maverick	Yes	Yes	Yes	No	Low	Moderate		emailed document - no link
Starr	Unknown	Yes*	Yes					
Val Verde	Yes	Yes	Yes	No	low			Flood-Damage-Prevention-Plan (texas.gov)
Webb	Yes	Yes	Yes	Yes	Moderate			
Willacy	Yes	Yes	Yes	No	Low	Moderate		Flood Plain Ordinance.pdf (willacy.tx.us)
Zapata	Yes	Yes	Yes	No	Low	Low		ordinance_flooddamageprevention.pdf (zapata.tx.us)
Alamo	Yes	Yes	Yes	No	Low	Moderate		https://codelibrary.amlegal.com/codes/alamo/latest/alamo_tx/0-0-0-21086
Alton	Yes	Yes	Yes	Yes	Strong			https://alton-tx.gov/wp-content/uploads/2021/01/UDC-2020.pdf
Bayview	Yes	Yes	Yes	Yes	Moderate	Low		Flood-Damage-Prevention-Ordinance-1.pdf (bayviewtexas.us)
Brackettville	Unknown	Yes*	Yes					
Brownsville	Yes	Yes	Yes	No	Low			Article I. - IN GENERAL Code of Ordinances Brownsville, TX Municode Library
Combes	Unknown	Yes*	Yes		Moderate	Moderate		comprehensive_plan.pdf (townofcombes.com)
Del Rio	Yes	Yes	Yes	No	Low	Moderate		Chapter 11 - FLOOD DAMAGE PREVENTION Code of Ordinances Del Rio, TX Municode Library
Donna	Unknown	Yes*	Yes					CHAPTER 1 FLOOD DAMAGE PREVENTION (amlegal.com)
Eagle Pass	Yes	Yes	Yes	Yes	Moderate	Moderate	No	Chapter 13½ - FLOODPLAIN MANAGEMENT STANDARDS Code of Ordinances Eagle Pass, TX Municode Library
Edcouch	Unknown	Yes*	Yes					
Edinburg	Yes	Yes	Yes	Yes	Strong	Low		Welcome to Edinburg, TX (cityofedinburg.com)
El Cenizo	Unknown	Yes*	Yes					
Elsa	Yes	Yes*	Yes		Low	Low		
Escobares	Unknown	No	No					
Granjeno	Unknown	Yes*	No					
Harlingen	Yes	Yes	Yes	No	Low	High		Chapter 105 - FLOOD DAMAGE PREVENTION Code of Ordinances Harlingen, TX Municode Library
City of Hidalgo	Unknown	Yes*	Yes					
Indian Lake	Yes	Yes	Yes	No	Low			
La Feria	Yes	Yes	Yes	No	Low	Low		Code of Ordinances – City of La Feria, TX (article 3.06)
La Grulla	Unknown	Yes*	Yes					
La Joya	Unknown	Yes*	Yes					
La Villa	Unknown	Yes*	Yes					
Laguna Vista	Yes	Yes	Yes	No	Low	Moderate	No	
Laredo	Yes	Yes	Yes	Yes	Moderate			ord_2017-O-061_stormwater_management.pdf (cityoflaredo.com)
Los Fresnos	Yes	Yes	Yes	No	Low	Moderate		Chapter 16 - ENVIRONMENT Code of Ordinances Los Fresnos, TX Municode Library
Los Indios	Yes	Yes	Yes	No	Low	Low		
Lyford	Yes	Yes	Yes	No	Low	Moderate		9577cc_a3f8d09d1ed741e89fb05de3e53d3c7c.pdf (filesusr.com)
McAllen	Yes	Yes	Yes	Yes	High	Moderate	Yes	Chapter 118 - FLOODS Code of Ordinances McAllen, TX Municode Library
Mercedes	Unknown	Yes*	Yes					
Mission	Yes	Yes	Yes	No	Low			Chapter 38 - FLOOD DAMAGE PREVENTION Code of Ordinances Mission, TX Municode Library
Palm Valley	Yes	Yes	Yes	No	Low			FLOOD HAZARD REDUCTION (amlegal.com)
Palmhurst	No	No	Yes	No	None			
Palmview	Yes	Yes	Yes	No	Low	Low		https://codelibrary.amlegal.com/codes/palmview/latest/overview
Penitas	Yes	Yes	No	No	None	None	No	42204.pdf (evogov.s3.amazonaws.com)
Pharr	Yes	Yes	Yes	No	Low	Moderate		ARTICLE II. - FLOOD DAMAGE PREVENTION Code of Ordinances Pharr, TX Municode Library
Port Isabel	Yes	Yes	Yes	Yes	Moderate			PROVISIONS FOR FLOOD HAZARD REDUCTION (amlegal.com)

TABLE 6: EXISTING FLOODPLAIN MANAGEMENT PRACTICES

Entity ¹	Floodplain management regulations (Yes/ No/ Unknown) ¹	Adopted minimum regulations pursuant to Texas Water Code Section 16.3145? (Yes/ No) ¹	NFIP Participant (Yes/ No) ¹	Higher Standards Adopted (Yes/ No) ²	Floodplain Management Practices (Strong/Moderate/ Low/None) ²	Level of enforcement of practices (High/ Moderate/ Low/ None) ²	Existing Stormwater or Drainage Fee (Yes/No) ²	Web Link to entity regulations ²
Primera	Unknown	Yes*	Yes	No	Low	Low	No	
Progreso	Unknown	Yes*	Yes					
Progreso Lakes	Unknown	Yes*	Yes					
Rancho Viejo	Yes	Yes	Yes	No	Low			Chapter 30 - FLOOD PREVENTION Code of Ordinances Rancho Viejo, TX Municode Library
Rangerville	Unknown	Yes*	Yes					
Raymondville	Unknown	N/A	Yes					
Rio Bravo	Unknown	Yes	Yes					
Rio Grande City	Unknown	Yes*	Yes					
Rio Hondo	Yes	Yes	Yes	Yes	Moderate	Moderate		emailed documents - no link
Roma	Yes	Yes	Yes	No	Low	High	Yes	Chapter 34 - FLOOD DAMAGE PREVENTION Code of Ordinances Roma, TX Municode Library
San Benito	Yes	Yes	Yes	No	Low			Franklin Legal Publishing, powered by CTS z2 (Chapter3.14)
San Juan	Yes	Yes	Yes	No	Low	Moderate		Franklin Legal Publishing, powered by CTS z2
San Perlita	Unknown	Yes*	Yes					
Santa Rosa	Yes	Yes	Yes	Yes	Moderate	High		
South Padre Island	Yes	Yes	Yes	No	Low	High		Ordinance No. 20-01 Code of Ordinances South Padre Island, TX Municode Library
Spofford	Unknown	No	No					
Sullivan City	Unknown	Yes*	Yes					
Weslaco	Yes	Yes	Yes	Yes	Low	High		Chapter 54. FLOOD HAZARD PREVENTION, Part II. CODE OF ORDINANCES, Code of Ordinances, Weslaco (elaws.us)
_ Bayview Irrigation District No. 11	Unknown	N/A	N/A					
_ Cameron County Drainage District No. 1	Yes	N/A	N/A		Low		Yes	Microsoft Word - MASTER DRAINAGE PLAN.doc (squarespace.com)
_ Cameron County Drainage District No. 3	Unknown	No	N/A		Moderate	Moderate		
_ Cameron County Drainage District No. 4	Unknown	N/A	N/A					
_ Cameron County Drainage District No. 5	Unknown	No	N/A		Low			
_ Cameron County Drainage District No. 6	Unknown	N/A	N/A					
_ Donna Irrigation District Hildago County	Unknown	N/A	N/A					
_ Fort Clark Municipal Utility District (MUD)	Unknown	N/A	N/A	no			no	
_ Hidalgo County Drainage District No. 1	Unknown	N/A	N/A					
_ La Feria Irrigation District Cameron County No. 3	Unknown	N/A	N/A					
_ Valley Municipal Utility District (MUD) No. 2	Yes	N/A	N/A		Moderate	Low		http://www.vmud2.org/swmp.html
_ Webb County Drainage District No. 1	Unknown	N/A	N/A					
_ Willacy County Drainage District No. 1	Unknown	N/A	N/A					
_ Willacy County Drainage District No. 2	Unknown	N/A	N/A					
Harlingen Irrigation District	No	N/A	N/A	No	None	None	No	
Hidalgo and Cameron Counties Irrigation District No. 9	Unknown	N/A	N/A					
International Boundary and Water Commission	N/A	N/A	N/A					https://www.ibwc.gov/Files/1944Treaty.pdf
Starr County Drainage District	Unknown	N/A	N/A					

¹ At a minimum, the RFPs must list all counties, cities and communities in the region with flood related authority in the region and identify whether entity they have any established floodplain management practices.

² RFPs are not required to provide information for these fields and may choose to leave these fields blank.

TABLE 11: REGIONAL FLOOD PLAN FLOOD MITIGATION AND FLOODPLAIN MANAGEMENT GOALS

Table 11: Flood Mitigation and Floodplain Management Goals

Goal ID	RFPG No.	RFPG Name	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	Measurement Method	Overarching Goal	Associated Goal IDs
15000001	15	Lower Rio Grande	Increase the number of nature-based flood risk reduction projects by 20% - 30%	Short Term (10 year)	2033	entire RFPG	Existing flood risk remains after implementation of nature-based projects, unless the project specifically addresses existing flood risk.	% of nature-based flood risk reduction projects relative to projects that are not nature based	Flood Infrastructure Projects	15000002
15000002	15	Lower Rio Grande	Increase the number of nature-based flood risk reduction projects by greater than 50%	Long Term (30 year)	2033	entire RFPG	Existing flood risk remains after implementation of nature-based projects, unless the project specifically addresses existing flood risk.	% of nature-based flood risk reduction projects relative to projects that are not nature based	Flood Infrastructure Projects	15000001
15000003	15	Lower Rio Grande	Reduce the number of newly constructed vulnerable critical facilities within the existing and future 1% annual chance floodplain event by over 70%	Short Term (10 year)	2033	entire RFPG	Existing flood risk remains for existing critical facilities and 30% of future critical facilities.	% of critical facilities in the region within the existing or future 1% annual chance floodplain	Flood Infrastructure Projects	15000004
15000004	15	Lower Rio Grande	Reduce the number of newly constructed vulnerable critical facilities within the existing and future 1% annual chance floodplain event by 100%	Long Term (30 year)	2033	entire RFPG	Existing flood risk remains for existing critical facilities.	% of critical facilities in the region within the existing or future 1% annual chance floodplain	Flood Infrastructure Projects	15000003
15000005	15	Lower Rio Grande	Increase community access routes to critical facilities, evacuation routes, during and after a flooding event by performing a study to establish a baseline	Short Term (10 year)	2033	entire RFPG	Existing flood risk is unaffected by study to determine baseline.	% of residential areas with safe access routes during and after flooding events	Flood Infrastructure Projects	15000006
15000006	15	Lower Rio Grande	Increase community access routes to critical facilities, evacuation routes, during and after a flooding event by 2 times the baseline %	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain for residential areas that do not have a project to mitigate flooding that impedes access routes.	% of residential areas with safe access routes during and after flooding events	Flood Infrastructure Projects	15000005
15000007	15	Lower Rio Grande	Increase the number of entities that provide regional detention that could be used for water reuse applications or as part of their floodplain management program by over 30%	Short Term (10 year)	2033	entire RFPG	Existing flood risk will remain for project areas where the proposed regional detention facility does not address existing flood risk.	% of entities that provide regional detention as part of their floodplain management program	Flood Infrastructure Projects	15000008
15000008	15	Lower Rio Grande	Increase the number of entities that provide regional detention that could be used for water reuse applications or as part of their floodplain management program by over 60%	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain for project areas where the proposed regional detention facility does not address existing flood risk.	% of entities that provide regional detention as part of their floodplain management program	Flood Infrastructure Projects	15000007
15000009	15	Lower Rio Grande	Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger to 40% to 50% of the most populated areas of the region.	Short Term (10 year)	2033	entire RFPG	Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced for half the most populated areas due to an advanced warning and emergency response program.	% of Region 15 population covered by a warning and emergency response program	Flood Warning and Readiness	15000010
15000010	15	Lower Rio Grande	Develop a regionally coordinated warning and emergency response program that can detect the flood threat and provide timely warning of impending flood danger to over 70% of the most populated areas of the region.	Long Term (30 year)	2033	entire RFPG	Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced for 70% of the most populated areas due to an advanced warning and emergency response program.	% of Region 15 population covered by a warning and emergency response program	Flood Warning and Readiness	15000009
15000011	15	Lower Rio Grande	Increase the number of flood gauges (rainfall/stream) in the region by 30% to 40%.	Short Term (10 year)	2033	entire RFPG	Flood risk will remain unaltered by the placement of the gauges. It is the intent to use data from gauges to implement flood mitigation projects, validate models and advance warning programs.	% of watershed and streams with active gauges	Flood Warning and Readiness	15000012
15000012	15	Lower Rio Grande	Increase the number of flood gauges (rainfall/stream) in the region by over 70%.	Long Term (30 year)	2033	entire RFPG	Flood risk will remain unaltered by the placement of the gauges. It is the intent to use data from gauges to implement flood mitigation projects, validate models and advance warning programs.	% of watershed and streams with active gauges	Flood Warning and Readiness	15000011
15000013	15	Lower Rio Grande	Increase the number of entities that use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations to over 40%	Short Term (10 year)	2033	entire RFPG	Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 40% of the entities due to these measures.	% of entities using real-time media services and/or Reverse 911 to warn of flood risks, evacuation routes and shelter locations	Flood Warning and Readiness	15000014
15000014	15	Lower Rio Grande	Increase the number of entities that use reverse 911, TV, radio, social media, and billboards to communicate flood warnings, evacuation routes, and shelter locations to over 70%	Long Term (30 year)	2033	entire RFPG	Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 70% of the entities due to these measures.	% of entities using real-time media services and/or Reverse 911 to warn of flood risks, evacuation routes and shelter locations	Flood Warning and Readiness	15000013
15000015	15	Lower Rio Grande	Increase the number of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings by over 30%	Short Term (10 year)	2033	entire RFPG	Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 30% of the entities due to these measures.	% of entities integrating NWS and TXWSC flood warning system information into their own systems	Flood Warning and Readiness	15000016
15000016	15	Lower Rio Grande	Increase the number of entities that integrate National Weather Service and USGS Texas Water Science Center (TXWSC) flood warning system information into their local capabilities to disseminate warnings by over 50%	Long Term (30 year)	2033	entire RFPG	Risk of inundation will remain unaltered, however, the risk of loss of life is expected to be reduced in 50% of the entities due to these measures.	% of entities integrating NWS and TXWSC flood warning system information into their own systems	Flood Warning and Readiness	15000015
15000017	15	Lower Rio Grande	Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs in the region by 30% to 40%	Short Term (10 year)	2033	entire RFPG	Flood risk will remain, however, the population of the entities with the updated FIRM maps will have access to maps that better represent their flood risk and for use when making decisions.	% of entities that have FIRM maps that are less than 20 years old	Flood Studies and Analysis	15000018
15000018	15	Lower Rio Grande	Decrease the average age of FEMA Flood Insurance Rate Maps used to define SFHAs in the region by over 70%	Long Term (30 year)	2033	entire RFPG	Flood risk will remain, however, the population of the entities with the updated FIRM maps will have access to maps that better represent their flood risk for use when making decisions.	% of entities that have FIRM maps that are less than 20 years old	Flood Studies and Analysis	15000017

TABLE 11: REGIONAL FLOOD PLAN FLOOD MITIGATION AND FLOODPLAIN MANAGEMENT GOALS

Goal ID	RFPG No.	RFPG Name	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	Measurement Method	Overarching Goal	Associated Goal IDs
15000019	15	Lower Rio Grande	Increase the coverage of available flood hazard data in the region, including at ports of entry, airports, and seaports, by completing studies with identified construction projects to address flooding hazards, in areas identified as having gaps in flood mapping data by 30% to 40%	Short Term (10 year)	2033	entire RFPG	Flood risk will remain, however, the population of the entities with the updated floodplain mapping will have access to maps that represent their flood risk and for use when making decisions.	% of entities that have completed studies (less than 10 years old) identifying flood hazards as described	Flood Studies and Analysis	15000020
15000020	15	Lower Rio Grande	Increase the coverage of available flood hazard data in the region, including at ports of entry, airports, and seaports, by completing studies with identified construction projects to address flooding hazards, in areas identified as having gaps in flood mapping data by over 70%	Long Term (30 year)	2033	entire RFPG	Flood risk will remain, however, the population of the entities with the updated floodplain mapping will have access to maps that represent their flood risk and for use when making decisions.	% of entities that have completed studies (less than 10 years old) identifying flood hazards as described	Flood Studies and Analysis	15000019
15000021	15	Lower Rio Grande	Have 40% to 50% of entities develop and maintain an operational stormwater asset management plan	Short Term (10 year)	2033	entire RFPG	Flood risk will remain at existing conditions levels unless strategic efforts identified in the plan are implemented to mitigate additional flood risk.	% of entities that utilize a stormwater asset management plan	Flood Studies and Analysis	15000022
15000022	15	Lower Rio Grande	Have over 70% of entities develop and maintain an operational stormwater asset management plan	Long Term (30 year)	2033	entire RFPG	Flood risk will remain at existing conditions levels unless strategic efforts identified in the plan are implemented to mitigate additional flood risk.	% of entities that utilize a stormwater asset management plan	Flood Studies and Analysis	15000021
15000023	15	Lower Rio Grande	Increase the number of Region 15 communities participating in the National Flood Insurance Program to 100%	Short Term (10 year)	2033	entire RFPG	Existing flood risk will remain.	% of entities in Region 15 enrolled in NFIP	Guidance	15000024
15000024	15	Lower Rio Grande	Maintain the number of Region 15 communities participating in the National Flood Insurance Program at 100%	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain.	% of entities in Region 15 enrolled in NFIP	Guidance	15000023
15000025	15	Lower Rio Grande	Increase the number of entities that adopt higher than NFIP-minimum standards by 40% to 50%	Short Term (10 year)	2033	entire RFPG	Existing flood risk will remain through region and future flood risk will be mitigated to a greater degree in half the region's entities	% of entities that adopt higher than NFIP minimum standards	Guidance	15000026
15000026	15	Lower Rio Grande	Increase the number of entities that adopt higher than NFIP-minimum standards by 60% to 70%	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain through region and future flood risk will be mitigated to a greater degree in half the region's entities	% of entities that adopt higher than NFIP minimum standards	Guidance	15000025
15000027	15	Lower Rio Grande	Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain by 30% to 40%	Short Term (10 year)	2033	entire RFPG	Existing flood risk will remain in region and future flood risk will be mitigated to a greater degree in 40% of region's entities.	% of entities in Region 15 actively participating in the Community Rating System	Guidance	15000028
15000028	15	Lower Rio Grande	Increase participation in the Community Rating System by encouraging Region 15 floodplain management programs to incorporate dedicated drainage fees to implement future FMEs and FMPs; incorporate noncompliance penalties; and who regulate development in the future conditions floodplain by over 50% of entities	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain in region and future flood risk will be mitigated to a greater degree in over 50% of region's entities.	% of entities in Region 15 actively participating in the Community Rating System	Guidance	15000027
15000029	15	Lower Rio Grande	Increase the number of entities that have multi-year drainage CIP list by over 40%	Short Term (10 year)	2033	entire RFPG	Existing flood risk will remain in region until identified project in CIP are constructed that address existing flood risk.	% of entities in Region 15 with 20-yr drainage CIPs	Guidance	15000030
15000030	15	Lower Rio Grande	Increase the number of entities that have multi-year drainage CIP list by over 70%	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain in region until identified projects in CIP are constructed that address existing flood risk.	% of entities in Region 15 with 20-yr drainage CIPs	Guidance	15000029
15000031	15	Lower Rio Grande	Reduce the number of structures that have been subject to repeated flooding events through property buyouts by over \$10 million	Short Term (10 year)	2033	entire RFPG	Existing flood risk will remain for those structures subject to repeated flooding that were not purchased.	Estimated \$ value of benefits incurred through property buyout programs annually	Property Acquisition, Structure Elevation, and Floodproofing	15000032
15000032	15	Lower Rio Grande	Reduce the number of structures that have been subject to repeated flooding events through property buyouts by \$20 million to \$50 million	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain for those structures subject to repeated flooding that were not purchased.	Estimated \$ value of benefits incurred through property buyout programs annually	Property Acquisition, Structure Elevation, and Floodproofing	15000031
15000033	15	Lower Rio Grande	Increase the acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use by over 300,000 acres	Short Term (10 year)	2033	entire RFPG	Existing flood risk will remain unchanged unless a project is constructed in these protected open spaces to mitigate existing flood risk.	Number of acres of publicly protected open space in critical flood risk areas that is reused for a beneficial public use	Property Acquisition, Structure Elevation, and Floodproofing	15000034
15000034	15	Lower Rio Grande	Increase the acreage of publicly protected open space in critical flood risk areas that is reused for a beneficial public use by 600,000 to 800,000 acres	Long Term (30 year)	2033	entire RFPG	Existing flood risk will remain unchanged unless a project is constructed in these protected open spaces to mitigate existing flood risk.	Number of acres of publicly protected open space in critical flood risk areas that is reused for a beneficial public use	Property Acquisition, Structure Elevation, and Floodproofing	15000033
15000035	15	Lower Rio Grande	Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure by over 30%	Short Term (10 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged unless a project is constructed in these publicly owned spaces to mitigate future flood risk in that location.	% increase in county-owned land in region	Property Acquisition, Structure Elevation, and Floodproofing	15000036
15000036	15	Lower Rio Grande	Increase the amount of publicly owned land in the region that can be utilized for future regional stormwater infrastructure by over 50%	Long Term (30 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged unless a project is constructed in these publicly owned spaces to mitigate future flood risk in that location.	% increase in county-owned land in region	Property Acquisition, Structure Elevation, and Floodproofing	15000035

TABLE 11: REGIONAL FLOOD PLAN FLOOD MITIGATION AND FLOODPLAIN MANAGEMENT GOALS

Goal ID	RFPG No.	RFPG Name	Goal	Term of Goal	Target Year	Applicable To	Residual Risk	Measurement Method	Overarching Goal	Associated Goal IDs
15000037	15	Lower Rio Grande	Increase the number of outreach and education activities, specifically targeting municipal floodplain managers throughout Region 15, hosted by Region 15 RFPG and available on the website by 20% to 30%.	Short Term (10 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged unless a municipal floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts.	% increase in the number of outreach activities	Education and Outreach	15000038
15000038	15	Lower Rio Grande	Increase the number of outreach and education activities, specifically targeting municipal floodplain managers throughout Region 15, hosted by Region 15 RFPG and available on the website by over 60%.	Long Term (30 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged unless a municipal floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts.	% increase in the number of outreach activities	Education and Outreach	15000037
15000039	15	Lower Rio Grande	Increase the number of entities and public stakeholders participating in the regional flood planning process by 30% to 40%	Short Term (10 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged until entities implement mitigation efforts outlined in the Regional Flood Plan.	% of entities and stakeholders annually performing outreach activities.	Education and Outreach	15000040
15000040	15	Lower Rio Grande	Increase the number of entities and public stakeholders participating in the regional flood planning process by over 70%	Long Term (30 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged until entities implement mitigation efforts outlined in the Regional Flood Plan.	% of entities and stakeholders annually performing outreach activities.	Education and Outreach	15000039
15000041	15	Lower Rio Grande	Increase the proficiency of floodplain managers by increasing the number of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association by over 25%.	Short Term (10 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged unless a floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts.	% of Region 15 floodplain managers who have CFM certifications	Education and Outreach	15000042
15000042	15	Lower Rio Grande	Increase the proficiency of floodplain managers by increasing the number of them that are certified as Certified Floodplain Managers (CFM) with the Texas Floodplain Management Association by over 70%.	Long Term (30 year)	2033	entire RFPG	Existing and future flood risk will remain unchanged unless a floodplain manager leverages the information and partnerships they gained from the program to implement mitigation efforts.	% of Region 15 floodplain managers who have CFM certifications	Education and Outreach	15000041

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
151000001	15	Lower Rio Grande	Brooks County	Develop Flood risk maps for the county of Brooks	15000019,15000020	Brooks	12110207	121102070100		Watershed Planning	944.79
151000002	15	Lower Rio Grande	Bayview Action #6	Upgrade three roadway bridges and one footbridge including structural improvements and stabilization to reduce damages caused by flooding and high winds	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	4.63
151000003	15	Lower Rio Grande	City of Brownsville Action #1	Upgrade and increase culverts at specific locations in City in order to adequately convey storm water. Selected locations including Boca Chica Blvd. area, International Blvd., North Main drainage ditch	15000005,15000006	Cameron	12110208	121102080900		Project Planning	2.04
151000004	15	Lower Rio Grande	City of Brownsville Action #16	Construct a weir to prevent flood risk from the overflow of canals located on the North side of Brownsville	15000005,15000006	Cameron	12110208	121102080900		Project Planning	0.23
151000005	15	Lower Rio Grande	City of Brownsville Action #17	Construct and/or expand culverts on rural roads and main stream outfalls. Locations include: 1) Central Ave to Martinelle; 2) Robindale to Old Place ; 3) Dana 802 to High Emerson ; 4) Pablo Kisel from Morrison to Alton Gloor	15000005,15000006	Cameron	12110208,13090002	121102080900,13090020501		Project Planning	15.17
151000006	15	Lower Rio Grande	City of Brownsville Action #24	Improve drainage and replace or upgrade gutters at City Plaza buildings	15000007,15000008	Cameron	12110208	121102080900		Project Planning	0.07
151000007	15	Lower Rio Grande	Indian Lake Action #1	Elevate and harden S Resaca Shore Drive bridge to reduce risk of damages and maintaining critical access route	15000005,15000006	Cameron	12110208	121102080800		Project Planning	0.22
151000008	15	Lower Rio Grande	Indian Lake Action #12	Upgrade/Elevate Henderson Road bridge over Resaca to remove from potential floodway, reduce the risk of damages, and maintain critical access route	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	0.17
151000009	15	Lower Rio Grande	Indian Lake Action #17	Upgrade shoulders and provide turnouts along Henderson Road to support evacuation route	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	0.78
151000010	15	Lower Rio Grande	Indian Lake Action #18	Harden critical facilities, to include the Town Hall/Police Station, to reduce or eliminate wind, hail, and flood damage and ensure continuity of emergency services	15000009,15000010	Cameron	12110208	121102080900		Project Planning	0.50
151000011	15	Lower Rio Grande	Laguna Vista Action #1	Drainage improvements Basin "B": Install upgraded drainage system for 80 acre residential area. Current system is inadequate to carry storm water runoff	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	0.11
151000012	15	Lower Rio Grande	Laguna Vista Action #10	Drainage Improvements: Harden and reinforce head wall along the Laguna Madre bay off Beach Boulevard	15000005,15000006	Cameron	12110208,12110208,12110208	121102080800,121102080900,121102081000		Project Planning	0.41
151000013	15	Lower Rio Grande	Laguna Vista Action #11	Drainage Improvements: Upgrade 48" drainage pipe located at 1004 Beach Blvd to increase capacity and reduce risk of flood damages	15000005,15000006	Cameron	12110208,12110208	121102080800,121102081000		Project Planning	0.00
151000014	15	Lower Rio Grande	Laguna Vista Action #12	Drainage Improvements: Relocate and upgrade existing 36" drainage pipe located at 1026 Beach Blvd to increase capacity and reduce risk of flood damages	15000005,15000006	Cameron	12110208,12110208	121102080800,121102081000		Project Planning	0.00
151000015	15	Lower Rio Grande	Laguna Vista Action #19	Harden Town Hall with wind, hail, and flood mitigation measures to reduce damages and ensure continuity of services	15000005,15000006	Cameron	12110208,12110208	121102080800,121102081000		Project Planning	0.01
151000016	15	Lower Rio Grande	Laguna Vista Action #2	Drainage improvements Basin "C": Install upgraded drainage system for 60 acre residential area. Current system is inadequate to carry storm water runoff.	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	0.09
151000017	15	Lower Rio Grande	Laguna Vista Action #3	Drainage improvements Basin "D": Install upgraded drainage system west side of State Highway 510 for 80 acre residential area. Current system is inadequate to carry storm water runoff.	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	1.87
151000018	15	Lower Rio Grande	Laguna Vista Action #4	Drainage improvements Basin "E": Install upgraded drainage system off Saunders Street and State Highway 510 that drains acreage south of Fernandez Street and north of Morris Street	15000005,15000006	Cameron	12110208	121102080800		Project Planning	0.02
151000019	15	Lower Rio Grande	Laguna Vista Action #5	Drainage improvements Basin "F": Install drainage system at the most southwestern part of the Town limits, bounded by State Highway 100 and State Highway 510.	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	0.18
151000020	15	Lower Rio Grande	Laguna Vista Action #6	Drainage improvements SH 100: Regrade the existing drainage ditch that parallels State Highway 100 to increase capacity and reduce risk of flooding	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	13.50
151000021	15	Lower Rio Grande	Laguna Vista Action #7	Drainage improvements: Upgrade the drainage system on the intersection of Broadway and Palo Blanco to increase capacity and reduce risk of flooding	15000005,15000006	Cameron	12110208	121102080800		Project Planning	0.00
151000022	15	Lower Rio Grande	Laguna Vista Action #8	Drainage Improvements: Upgrade the drainage system on Holley Beach to increase capacity and reduce risk of flooding	15000005,15000006	Cameron	12110208,12110208	121102080800,121102081000		Project Planning	4.00
151000023	15	Lower Rio Grande	Laguna Vista Action #9	Drainage Improvements: Upgrade and harden drainage structure on Town-owed marina to increase capacity and reduce risk of damages	15000005,15000006	Cameron	12110208,12110208,12110208	121102080800,121102081000		Project Planning	0.51
151000024	15	Lower Rio Grande	Los Fresno's Action #13	Upgrade culverts and install drainage improvements at various locations to increase capacity and reduce risk of flood damages. Purchase trailer mounted water trash pump to reduce or eliminate flooding. Drainage Improvement locations: Drainage Ditch South of Highway 100 causes flooding on East Fifth Street, East Sixth Street, East Seventh Street, East Eighth Street, East Ninth Street and East Tenth Street. South Nogal Street Causes Flooding on West First Street, West Second Street, West Third Street, Valle Alto Street & Bougainvillea Street, Jacqueline Street & North Canal Street Drain Pipe Collapse, Olmo Street from West Eighth Street to West Tenth Street, Holy Lane Drain Under Canal, Pasto Drive at California Road Drain Under Canal, and Resaca Escondido Drain Pipe Collapse. The following Resaca Crossings are Too Low: Henderson Road East Side, Henderson Road West Side, and Whipple Road West Side.	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	1.40
151000025	15	Lower Rio Grande	Los Fresnos Action #14	Elevate or acquire and demolish flood-prone structures	15000031,15000032	Cameron	12110208	121102080900		Project Planning	0.87
151000026	15	Lower Rio Grande	Los Fresnos Action #31	Deepen drainage area in Resaca Escondido and Falcon Lake to increase storm water retention capacity	15000007,15000008	Cameron	12110208	121102080900		Project Planning	0.02
151000027	15	Lower Rio Grande	Port Isabel Action #19	Elevate and widen coastal roads as well as evacuation routes to reduce risk of flood damages and maintain emergency access	15000005,15000006	Cameron	12110208,12110208	121102080900,121102081000		Project Planning	2.72
151000028	15	Lower Rio Grande	Port Isabel Action #22	Build breakwater or similar shoreline protection for harbor	15000001,15000002	Cameron	12110208,12110208	121102080900,121102081000		Project Planning	0.47
151000029	15	Lower Rio Grande	Primera Action #2	Construct a large retention/detention pond in the northwest part of town to hold water during heavy rain events	15000007,15000008,15000005,15000006	Cameron	12110208	121102080700		Project Planning	0.08
151000030	15	Lower Rio Grande	South Padre Island #6	Upgrade undersized culverts throughout the Island to increase capacity and reduce flood risk	15000005,15000006	Cameron	12110208,12110208	121102081000,121102081100		Project Planning	4.63
151000031	15	Lower Rio Grande	Dimmit County	Develop Flood risk maps for the county of Dimmit and develop CIP	15000019,15000020	Webb	13080002,13080002,13080002,13080002,13080002,13080002	130800021403,130800021404,130800021405,130800021901,130800021902,130800021903		Watershed Planning	1315.93

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation	
151000001	Brooks County	Local	Brooks County	Brooks County	Yes	\$ 250,000.00		169	17	52	0	0	0	31.32929039	73570.00781	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.	
151000002	Bayview Action #6	Riverine	City of Bayview	City of Bayview	Yes	\$ 370,000.00	HMGP; USDA; Other Grants	81	69	260	0	0	1	1.657318711	498.3526917	Yes	unknown	\$ 370,000.00	Meets TWDB & RFPG criteria for FMEs	
151000003	City of Brownsville Action #1	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 396,000.00	HMGP	1514	1124	7750	0	0	31	18.50160408	11.92236996	Yes	unknown	\$ 396,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	
151000004	City of Brownsville Action #16	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 39,000.00	General Fund	138	130	340	0	0	12	2.11806345	23.38227654	Yes	unknown	\$ 39,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	
151000005	City of Brownsville Action #17	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 99,000.00	HMGP	11986	10619	43032	16	0	73	122.0886383	661.390625	Yes	unknown	\$ 99,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	
151000006	City of Brownsville Action #24	Local	City of Brownsville	City of Brownsville	Yes	\$ 20,000.00	Capital Improvement Funds	84	49	1045	0	0	0	2.373209715	0	Yes	unknown	\$ 20,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route in downtown.	
151000007	Indian Lake Action #1	Local	City of Indian Lake	City of Indian Lake	Yes	\$ 92,000.00	General Fund; HMGP	113	99	262	0	0	0	2.660997629	1.067367077	Yes	unknown	\$ 92,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000008	Indian Lake Action #12	Local	City of Indian Lake	City of Indian Lake	Yes	\$ 185,000.00	General Fund; HMGP	4	4	20	0	0	0	0.191955924	15.93089199	Yes	unknown	\$ 185,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000009	Indian Lake Action #17	Local	City of Indian Lake	City of Indian Lake	Yes	\$ 20,000.00	General Fund; HMGP	135	129	360	0	0	0	2.965137959	122.1070557	Yes	unknown	\$ 20,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000010	Indian Lake Action #18	Local	City of Indian Lake	City of Indian Lake	Yes	\$ 28,000.00	General Fund; HMGP	246	234	642	1	0	0	3.201923847	90.8343811	Yes	unknown	\$ 28,000.00	Does not meet criteria for FME. Elevated to an FMS so that an FMP can be developed.	
151000011	Laguna Vista Action #1	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	134	133	215	0	0	3	1.199566126	0.068325624	Yes	unknown	\$ 924,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000012	Laguna Vista Action #10	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	216	205	357	3	0	18	3.613481522	0.903748095	Yes	unknown	\$ 924,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000013	Laguna Vista Action #11	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 92,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	2	2	2	0	0	1	0.017775521	0	Yes	unknown	\$ 92,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000014	Laguna Vista Action #12	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 92,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	1	1	0	0	0	1	0.031832322	0	Yes	unknown	\$ 92,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000015	Laguna Vista Action #19	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 18,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	1	0	3	1	0	4	0.340204328	0	Yes	unknown	\$ 18,000.00	Does not meet criteria for FME. Elevated to an FMS so that an FMP can be developed.	
151000016	Laguna Vista Action #2	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	112	106	166	2	0	10	1.656641722	0	Yes	unknown	\$ 924,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	
151000017	Laguna Vista Action #3	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	917	863	1534	3	0	41	12.8854084	34.21590424	Yes	unknown	\$ 924,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000018	Laguna Vista Action #4	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	16	13	22	1	0	5	0.334115326	0	Yes	unknown	\$ 924,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000019	Laguna Vista Action #5	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	171	157	281	0	0	7	2.119245291	3.294931173	Yes	unknown	\$ 924,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000020	Laguna Vista Action #6	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 370,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	19	0	34	0	0	5	16.87329292	383.6828003	Yes	unknown	\$ 370,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000021	Laguna Vista Action #7	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 370,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	6	0	4	0	0	1	0.038997855	0	Yes	unknown	\$ 370,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000022	Laguna Vista Action #8	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 370,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	41	41	93	0	0	3	0.786337733	152.0857086	Yes	unknown	\$ 370,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	
151000023	Laguna Vista Action #9	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 554,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	200	188	465	2	0	22	3.824263811	1.968878269	Yes	unknown	\$ 554,000.00	Need more information to determine if it meets TWDB and RFPG criteria for FME. Further discussions with City may combine similar FMEs to city-wide study.	
151000024	Los Fresno's Action #13	Local	City of Los Fresnos	City of Los Fresnos	Yes	\$ 1,848,000.00	HMGP; General Funds, Drainage Fee	1071	958	3438	5	0	0	16.52149582	69.46161652	Yes	unknown	\$ 1,848,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	
151000025	Los Fresnos Action #14	Riverine	City of Los Fresnos	City of Los Fresnos	Yes	\$ 185,000.00	HMGP; General Funds, CDBG	478	343	4354	6	0	0	8.410739899	80.73501587	Yes	unknown	\$ 185,000.00	Does not meet criteria for FME. Elevated to an FMS so that an FMP can be developed.	
151000026	Los Fresnos Action #31	Riverine	City of Los Fresnos	City of Los Fresnos	Yes	\$ 185,000.00	HMGP; General Funds	0	0	0	0	0	0	0.102316327	0.656137824	Yes	unknown	\$ 185,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	
151000027	Port Isabel Action #19	Riverine	City of Port Isabel	City of Port Isabel	Yes	\$ 554,000.00	HMGP; General Funds	2187	1764	4846	5	0	116	19.92869759	3.803475142	Yes	unknown	\$ 554,000.00	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	
151000028	Port Isabel Action #22	Riverine	City of Port Isabel	City of Port Isabel	Yes	\$ 1,109,000.00	HMGP; General Funds	386	312	955	1	0	48	6.286091328	0.222394422	Yes	unknown	\$ 1,109,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	
151000029	Primera Action #2	Riverine	City of Primera	City of Primera	Yes	\$ 92,000.00	Local Funds; HMGP; Cameron County Drainage District	8	8	17	0	0	0	0	16.27144241		Yes	unknown	\$ 92,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
151000030	South Padre Island #6	Riverine	South Padre Island	South Padre Island	Yes	\$ 1,848,000.00	HMGP; CDBG	1843	1412	5775	3	0	143	31.74758148	3.313995123	Yes	unknown	\$ 1,848,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	
151000031	Dimmit County	Riverine	Dimmit County	Dimmit County	Yes	\$ 250,000.00		6	0	6	0	0	0	1.120372295	756.9116211	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.	

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
15100032	15	Lower Rio Grande	Edwards County	Develop Flood risk maps for the county of Edwards and develop CIP	15000019,15000020	Edwards	13080001,13080001,13080001,13080001,13080001,13080001,13080001,13080001,13080001,13080001	130800010301,130800010302,130800010303,130800010304,130800010401,130800010402,130800010403		Watershed Planning	2112.66
15100033	15	Lower Rio Grande	FM 491 and Mile 3	Local Drainage Improvements- County Road 1771	15000019,15000020	Hidalgo	12110208	121102080600		Project Planning	0.81
15100034	15	Lower Rio Grande	Pump Station H & Sump	Pump Station H & Sump	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100035	15	Lower Rio Grande	Pump Station I & Sump	Pump Station I & Sump	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100036	15	Lower Rio Grande	Pump Station J & Sump	Pump Station J & Sump	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100037	15	Lower Rio Grande	Pump Station K	Pump Station K	15000019,15000020	Hidalgo	12110208	121102080100		Project Planning	0.00
15100038	15	Lower Rio Grande	Pump Station L	Pump Station L	15000019,15000020	Hidalgo	12110208	121102080100		Project Planning	0.00
15100039	15	Lower Rio Grande	Lott Rd & Soderquist	Local Drainage Improvements- North of Lott Road and East of Soderquist Rd.	15000019,15000020	Hidalgo	12110208,12110208	121102080100,121102080300		Project Planning	0.28
15100040	15	Lower Rio Grande	Mile 2 E & Expy 83	Local Drainage Improvements- North of Interstate 2 and West of Mile 2 1/2	15000019,15000020	Hidalgo	12110208	121102080600		Project Planning	0.43
15100041	15	Lower Rio Grande	TX 88 & W Sugar Cane Dr Improvements	Channel Improvements- Ditch 17B2A1, Ditch 17B2A1 Detention West, Local Drainage Improvements (North of W Sugar Cane West of Ditch17B2A1), Ditch 17B2A1 Detention East, and Local Drainage Improvements (North of W Sugar Cane East of Ditch17B2A1)	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	3.09
15100042	15	Lower Rio Grande	Mile 11 N & Mile 6 W Improvements	Channel Improvements- Ditch 17B2A1A, Channel Improvements- Ditch 7T,7T1, Local Drainage Improvements- West of Ditch17B2A1A, and Ditch 17B2A1 Detention West	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	1.74
15100043	15	Lower Rio Grande	Clark Rd & Mile 1 E Improvements	Channel Improvements- Ditch 19,19B,19H,23; Local Drainage Improvements-Los Laureles; Local Detention-Los Laureles; Local Drainage Improvements-Clark road and Mile 1 Road; and Bypass Channel and Sump Area for Pump Station	15000019,15000020	Cameron	12110208,12110208	121102080300,121102080600		Project Planning	12.32
15100044	15	Lower Rio Grande	International & E Mile 5 N Improvements	Channel Improvements just upstream of Ditch 35B; Culvert Improvements; Detention North of Llano Grande Lake Just West of 3 Mile Rd; 2- 130,000 GPM Pumps; Channel Improvements Ditch 34, 34B, 34BExt; Regional Detention; Bypass channel from Ditch 34; and Culvert Improvements-Ditch 34 Passing International Blvd.	15000019,15000020	Hidalgo	12110208	121102080100		Project Planning	1.71
15100045	15	Lower Rio Grande	S Alamo and Rancho Blanco	Local Drainage Improvements-Storm Drain and Detention North of Rancho Blanco and east of S. Alamo Road	15000019,15000020	Hidalgo	12110208	121102080100		Project Planning	0.03
15100046	15	Lower Rio Grande	FM 1423 and Main Grove	Local Drainage Improvements- Main Street, North Street	15000019,15000020	Hidalgo	12110208,12110208	121102080100,121102080300		Project Planning	0.12
15100047	15	Lower Rio Grande	FM 1423 and Nolana	Local Drainage Improvements--Storm Drain and Detention South of Earling Road West of Val Verde Street	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.38
15100048	15	Lower Rio Grande	N Tower	Local Drainage Improvements-Storm Drain North of Minnesota Road	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	1.74
15100049	15	Lower Rio Grande	Dillon and Roosevelt	Local Drainage Improvements-Just North of E Roosevelt Rd	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.68
15100050	15	Lower Rio Grande	Canton and Dillon	Local Drainage Improvements-Along Canton Road and adjacent neighborhoods	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	1.09
15100051	15	Lower Rio Grande	FM 1925 and Mile 4	Local Drainage Improvements-Along Bernal Court	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.16
15100052	15	Lower Rio Grande	Pump Station A & Sump A	Pump Station A & Sump A	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100053	15	Lower Rio Grande	Pump Station B & Sump B	Pump Station B & Sump B	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	2.17
15100054	15	Lower Rio Grande	Pumps & Sumps	Remove gate and improve embankment	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100055	15	Lower Rio Grande	Pump Station D	Pump Station D	15000019,15000020	Hidalgo	12110208	121102080600		Project Planning	0.00
15100056	15	Lower Rio Grande	Pump Station E & Sump	Pump Station E & Sump	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100057	15	Lower Rio Grande	Pump Station F & Sump	Pump Station F & Sump	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100058	15	Lower Rio Grande	Pump Station G & Sump	Pump Station G & Sump	15000019,15000020	Hidalgo	12110208	121102080300		Project Planning	0.00
15100059	15	Lower Rio Grande	City of Sullivan City	Develop Flood risk maps for the city of Sullivan City and develop CIP	15000019,15000020	Starr	13090001	130900011706		Watershed Planning	3.60
15100060	15	Lower Rio Grande	Alton MDP - West Mile 5 Road and Louisiana Street Alternative 2	Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trosper Road out falling directly into the retention pond, 3 headwalls and approximately 9 inlets. Additional inlets and smaller pipe may be needed to catch low lying areas that pond between the houses or regrading with swales to take runoff to the street.	15000007,15000008,15000005,15000006	Hidalgo	12110208,12110208	121102080200,121102080300		Project Planning	3.87
15100061	15	Lower Rio Grande	Alton MDP - FM 676 South Glasscock Road Alternative 3	Widening of FM 676 with a proposed storm drain system containing 54' reinforced concrete pipe.	15000005,15000006	Hidalgo	12110208	121102080200		Project Planning	0.05
15100062	15	Lower Rio Grande	Alton MDP - North Inspiration Road and West St. Jude Avenue Alternative 2	Alternative 2, is designed to remove structures from the 25-year floodplain and more frequent storms. This alternative consists of upsizing the storm drain under West St Jude Avenue. The trunk line will consist of 1,900 LF of a single 7' X 5' reinforced concrete box sloped at 0.5% from the area just west of the neighborhood on W. St. Jude Avenue to the West Main Drain Channel, downstream (north) of the existing 10' X 7' box culvert.	15000005,15000006	Hidalgo	12110208	121102080200		Project Planning	0.16
15100063	15	Lower Rio Grande	Alton MDP - West Mile 5 and South Glasscock Road Alternative 3	Alternative 3 is simply the buyout and removal of 23 properties on the north side of Buchanan from the 10-year floodplain. Once structures are removed, the vacant land can be excavated and used as a park/regional retention pond.	15000031,15000032	Hidalgo	12110208	121102080200		Project Planning	0.23
15100064	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street	Installation of 3,220 LF of new storm drain system consisting of two - 8' x 4' RCBs along Mile 3 1/2.	15000005,15000006	Hidalgo	12110208,12110208	121102080100,121102080300		Project Planning	1.15

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000065	Weslaco Stormwater Improvement Plan - Mile 10 N and Mile 5 1/2 W	Local	City of Weslaco	City of Weslaco	Yes	\$ 666,000.00	FIF, local	107	97	676	0	0	0	2.573085785	139.6044464	No	unknown	\$ 666,000.00	Elevated to an FMP.
151000066	Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	Local	City of Weslaco	City of Weslaco	Yes	\$ 14,000.00	FIF, local	252	49	239	0	0	0	2.407225609	2.653444767	No	unknown	\$ 14,000.00	Elevated to an FMP.
151000067	Weslaco Stormwater Improvement Plan - Texas Boulevard to Airport Drive, South of Business 83	Local	City of Weslaco	City of Weslaco	Yes	\$ 6,598,000.00	FIF, local	1504	965	5989	2	0	0	21.77757835	210.7562866	No	unknown	\$ 6,598,000.00	Elevated to an FMP.
151000068	Weslaco Stormwater Improvement Plan - West Weslaco	Local	City of Weslaco	City of Weslaco	Yes	\$ 5,596,000.00	FIF, local	1092	1031	4369	1	0	0	15.34111595	232.7597504	No	unknown	\$ 5,596,000.00	Elevated to an FMP.
151000069	Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	Local	City of Weslaco	City of Weslaco	Yes	\$ 1,665,000.00	FIF, local	1074	848	5904	3	0	0	16.80538368	140.7450562	No	unknown	\$ 1,665,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.
151000070	Enhance Drainage Systems In Hidalgo	Local	City of Hidalgo	City of Hidalgo	Yes	\$ 215,000.00	USDA	3	1	2	0	0	0	0.270873845	0	No	unknown	\$ 215,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.
151000071	Precinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 2,985,000.00	FIF, local	260	199	934	0	0	0	6.748677254	218.1324005	No	unknown	\$ 2,985,000.00	Elevated to an FMP.
151000072	Precinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 4,076,000.00	FIF, local	438	293	1613	1	0	0	6.348679543	589.4989014	No	unknown	\$ 4,076,000.00	Elevated to an FMP.
151000073	Precinct 4 MDP - Risk Area C at FM 2812 & FM 493	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 1,183,000.00	FIF, local	446	299	1390	0	3	0	22.50134659	4377.677734	No	unknown	\$ 1,183,000.00	Elevated to an FMP.
151000074	Precinct 4 MDP - Risk Area D at S. McColl & Canton Rd.	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 954,000.00	FIF, local	789	679	6522	4	0	0	14.99420547	149.8744507	No	unknown	\$ 954,000.00	Elevated to an FMP.
151000075	Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 747,000.00	FIF, local	66	59	212	0	0	0	1.209209204	0.000109186	No	unknown	\$ 747,000.00	Elevated to an FMP.
151000076	Precinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 1,188,000.00	FIF, local	135	119	550	0	0	0	1.76355505	54.56572342	No	unknown	\$ 1,188,000.00	Elevated to an FMP.
151000077	Precinct 4 MDP - Risk Area G at Hoehn Rd. & Mile 11 Rd.	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 909,000.00	FIF, local	184	157	597	0	0	0	3.852073193	167.6636505	No	unknown	\$ 909,000.00	Elevated to an FMP.
151000078	Precinct 4 MDP - Risk Area I at Sharp Rd. & E Monte Cristo Rd	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 899,000.00	FIF, local	127	111	501	0	2	0	3.873504162	246.4248199	No	unknown	\$ 899,000.00	Elevated to an FMP.
151000079	Precinct 4 MDP - Risk Area J at SH107 & FM 907	Local	Hidalgo County Precinct 4	Hidalgo County Precinct 4	Yes	\$ 541,000.00	FIF, local	50	42	344	0	0	0	1.132004142	21.5011673	Yes	unknown	\$ 541,000.00	Elevated to an FMP.
151000080	Mercedes Project Area 111		Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 1,151,000.00		0	0	0	0	0	0	0.221990675	17.95885086	Yes	unknown	\$ 1,151,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.
151000081	East Mercedes Project Area 112a	Local	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 454,000.00		8	3	31	0	0	0	0.612270832	92.78546143	Yes	unknown	\$ 454,000.00	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.
151000082	Jim Hogg County	Local	Jim Hogg County	Jim Hogg County	Yes	\$ 250,000.00		99	4	61	1	1	0	20.89398766	59834.99609	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000083	Kenedy County	Riverine	Kenedy County	Kenedy County	Yes	\$ 250,000.00		116	10	58	1	0	0	52.53807068	197146.8906	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000084	Fort Clark MUD	Riverine	Fort Clark MUD	Fort Clark MUD	Yes	\$ 250,000.00		148	136	221	0	0	0	0.002040639	16.25866127	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000085	Kinney County	Riverine	Kinney County	Kinney County	Yes	\$ 250,000.00		621	282	704	3	44	0	68.47542572	9415.355469	No	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000086	Risk Area 11 Rancho Escondido	Riverine	City of Eagle Pass	City of Eagle Pass	Yes	\$ 137,000.00	FIF, local	20	20	91	0	0	0	0.26550743	0	No	unknown	\$ 137,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
15100087	15	Lower Rio Grande	Risk Area 12 Fox Borough Drive	Project includes bypassing flow from inlet at Point Loma Drive and North Point Drive to the detention pond with 1 - 8'x4' RCB and installing additional curb inlets on N. Point Drive and Silver Oak Circle.	15000005,15000006	Maverick	13080002	130800020702		Project Planning	0.04
15100088	15	Lower Rio Grande	Risk Area 13 Calle De Los Santos neighborhood. Additional culvert under irrigation canal.	Project includes upgrading existing culvert crossing irrigation canal from 2-6'x4' RCB to 4-6'x4' RCB.	15000005,15000006	Maverick	13080002	130800020703		Project Planning	0.13
15100089	15	Lower Rio Grande	Risk Area 15 Trib 3 Detention at Main Street	Project includes constructing 10 acre detention pond (29 ac-ft volume) along East Channel north of Highway 277 and installing flap-gates at flume outfalls on Omar Drive and Jana Drive, to prevent more frequent stormwater from backing up into the neighborhood on the west side of the channel.	15000005,15000006	Maverick	13080002,13080002	130800020702,130800020703		Project Planning	1.24
15100090	15	Lower Rio Grande	Risk Area 2 Treasure Hills	Project includes constructing a 4' deep trapezoidal concrete channel with 8' bottom width and 2:1 side slopes, from detention pond outfall to existing culverts.	15000005,15000006	Maverick	13080002,13080002	130800020702,130800020703		Project Planning	1.07
15100091	15	Lower Rio Grande	Risk Area 3 Arrow Point Boulevard	Project includes constructing small retaining wall at downstream of flume outfall to force flow towards Stone Way and constructing a 2' wide and 6" deep concrete flume from existing flume outfall to Stone Way.	15000005,15000006	Maverick	13080002	130800020702		Project Planning	0.59
15100092	15	Lower Rio Grande	Risk Area 4 Bibb & Misty Willow storm drain	Project includes installing 6'x4' RCB along Misty Willow Drive from N Bibb Avenue to existing channel between N Bibb Avenue and Timber Valley and installing curb inlets on N Bibb Avenue and Misty Willow Drive.	15000005,15000006	Maverick	13080002	130800020702		Project Planning	0.06
15100093	15	Lower Rio Grande	Risk Area 5 Debona Drive	Project includes constructing a 5' deep trapezoidal channel approximately 30 feet wide with 3:1 side slopes and a 5' concrete pilot channel, replacing Juarez Street culvert with 8'x4' box culvert, and realigning existing channel to provide additional distance from homes.	15000005,15000006	Maverick	13080002	130800020702		Project Planning	0.10
15100094	15	Lower Rio Grande	Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	Project includes bypassing flow from Golfcrest Drive to the detention pond with 1-6'x4' RCB Modifying outfall structure from 2-5'x3' RCB to 1-5'x3' RCB, and Lowering existing baseball field by 3 ft to provide an additional 30 ac-ft of storage.	15000007,15000008	Maverick	13080002	130800020702		Project Planning	0.10
15100095	15	Lower Rio Grande	Risk Area 8 Tributary 2 channel widening near Alexander Drive	Project includes constructing a 3' deep trapezoidal channel with a 76' bottom width with 4:1 side slopes from Graves Elementary School to the confluence of existing channels and constructing a 4' deep trapezoidal channel with a 11' bottom width with 4:1 side slopes from confluence of existing channels to existing culvert at Kelso Drive.	15000005,15000006	Maverick	13080002,13080002	130800020702,130800020703		Project Planning	0.60
15100096	15	Lower Rio Grande	Maverick County	Develop Flood risk maps for the county of Maverick and develop CIP	15000019,15000020	Webb	13080002,13080002	130800020702,130800020703		Watershed Planning	1288.56
15100097	15	Lower Rio Grande	Starr County	Develop Flood risk maps for the county of Starr and develop CIP	15000019,15000020	Starr	13080002,13080002	130800020702,130800020703		Watershed Planning	1232.60
15100098	15	Lower Rio Grande	Starr County Drainage District	Develop Flood risk maps for the Starr County Drainage District and develop CIP	15000019,15000020	Starr	13080002,13080002	130800020702,130800020703		Watershed Planning	1232.56
15100099	15	Lower Rio Grande	City of La Grulla	Develop Flood risk maps for the city of La Grulla and develop CIP	15000019,15000020	Starr	13090001	130900011607		Watershed Planning	0.94
15100100	15	Lower Rio Grande	City of Roma	Develop Flood risk maps for the city of Roma and develop CIP	15000019,15000020	Starr	13090001,13090001	130900011107,130900011109		Watershed Planning	6.02
15100101	15	Lower Rio Grande	City of Escobares	Develop Flood risk maps for the city of Escobares and develop CIP	15000019,15000020	Starr	13090001,13090001	130900011108,130900011109		Watershed Planning	2.73
15100102	15	Lower Rio Grande	City of Rio Grande City	Develop Flood risk maps for the city of Rio Grande City and develop CIP	15000019,15000020	Starr	13090001,13090001,13090001,13090001	130900011112,1309000111501,1309000111502,130900011601		Watershed Planning	11.38
15100103	15	Lower Rio Grande	Rgc Public Works, Escobares City, And Starr Public Works Roadway Improvements	Improve Roadways. By Widening And Raising, And Create Drainage Culverts Or Bridges. (Morenos Creek And Garceno Creek)(Kelsey Creek, Rio Grande City)	15000005,15000006	Starr	13090001,13090001,13090001,13090001	130900011112,1309000111501,1309000111502,130900011601		Project Planning	1232.38
15100104	15	Lower Rio Grande	City of Del Rio	Update flood risk maps for the city of Del Rio and CIP using Atlas 14	15000019,15000020	Val Verde	13080001,13080001,13080001	130800010204,130800010207,130800010208		Watershed Planning	15.15
15100105	15	Lower Rio Grande	City of Del Rio Project 1	Calaveras Creek Railroad Avenue Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.02
15100106	15	Lower Rio Grande	City of Del Rio Project 10	San Felipe Creek W. 10th St. Storm sewer	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.80
15100107	15	Lower Rio Grande	City of Del Rio Project 11	Cinegas Creek Wildcat Drive Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.17
15100108	15	Lower Rio Grande	City of Del Rio Project 12	Cantu Branch Kings Way - Site 1 Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	1.65
15100109	15	Lower Rio Grande	City of Del Rio Project 13	Cantu Branch Margaret Lane Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.01

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
15100087	Risk Area 12 Fox Borough Drive	Local	City of Eagle Pass	City of Eagle Pass	Yes	\$ 178,000.00	FIF, local	33	33	89	0	0	0	0.359185666	0	No	unknown	\$ 178,000.00	Elevated to an FMP.
15100088	Risk Area 13 Celle De Los Santos neighborhood. Additional culvert under irrigation canal.	Local	City of Eagle Pass	City of Eagle Pass	Yes	\$ 27,000.00	FIF, local	22	20	116	0	0	0	0.555184305	0.06954781	No	unknown	\$ 27,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
15100089	Risk Area 15 Trib 3 Detention at Main Street	Local	City of Eagle Pass	City of Eagle Pass	Yes	\$ 124,000.00	FIF, local	281	219	905	1	0	8	3.837033987	9.832087517	No	unknown	\$ 124,000.00	Elevated to an FMP.
15100090	Risk Area 2 Treasure Hills	Riverine	City of Eagle Pass	City of Eagle Pass	Yes	\$ 90,000.00	FIF, local	84	33	1163	1	0	5	3.242243052	8.741514206	No	unknown	\$ 90,000.00	Elevated to an FMP.
15100091	Risk Area 3 Arrow Point Boulevard	Riverine	City of Eagle Pass	City of Eagle Pass	Yes	\$ 20,000.00	FIF, local	0	0	0	0	0	0	0.200140998	9.758011818	No	unknown	\$ 20,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Project may not meet drainage area size requirement.
15100092	Risk Area 4 Bibb & Misty Willow storm drain	Riverine	City of Eagle Pass	City of Eagle Pass	Yes	\$ 48,000.00	FIF, local	36	36	118	0	0	0	0.447250098	0	No	unknown	\$ 48,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
15100093	Risk Area 5 Debona Drive	Riverine	City of Eagle Pass	City of Eagle Pass	Yes	\$ 54,000.00	FIF, local	8	6	134	0	0	4	1.082337499	0	No	unknown	\$ 54,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
15100094	Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	Riverine	City of Eagle Pass	City of Eagle Pass	Yes	\$ 144,000.00	FIF, local	12	12	30	0	0	0	0.71002996	0.015716752	No	unknown	\$ 144,000.00	Elevated to an FMP.
15100095	Risk Area 8 Tributary 2 channel widening near Alexander Drive	Riverine	City of Eagle Pass	City of Eagle Pass	Yes	\$ 80,000.00	FIF, local	102	91	541	0	0	1	1.483276248	2.119328976	Yes	unknown	\$ 80,000.00	Elevated to an FMP.
15100096	Maverick County	Riverine	Maverick County	Maverick County	Yes	\$ 500,000.00		3361	2564	10897	9	6	62	121.2299652	14816.64844	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
15100097	Starr County	Riverine	Starr County	Starr County	Yes	\$ 250,000.00		6696	4401	24277	20	0	0	247.176712	67303.07031	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
15100098	Starr County Drainage District	Riverine	Starr County Drainage District	Starr County Drainage District	Yes	\$ 250,000.00		6696	4401	24277	20	0	0	247.2016602	67301.44531	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
15100099	City of La Grulla	Riverine	City of La Grulla	City of La Grulla	Yes	\$ 250,000.00		225	157	658	0	0	0	4.088119984	98.15129852	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
15100100	City of Roma	Riverine	City of Roma	City of Roma	Yes	\$ 250,000.00		1490	1073	6100	3	0	0	22.10539246	205.9555359	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
15100101	City of Escobares	Riverine	City of Escobares	City of Escobares	Yes	\$ 250,000.00		432	303	1670	2	0	0	11.41556454	249.2806854	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
15100102	City of Rio Grande City	Riverine	City of Rio Grande City	City of Rio Grande City	Yes	\$ 250,000.00		1194	804	6689	8	0	0	33.64510727	1065.477783	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
15100103	Rgc Public Works, Escobares City, And Starr Public Works Roadway Improvements	Riverine	Starr County	Starr County	Yes	\$ 528,000.00	Tda/Local	6696	4401	24277	20	0	0	247.176712	67303.07031	Yes	unknown	\$ 528,000.00	Meets TWDB & RFPG criteria for FMEs
15100104	City of Del Rio	Riverine	City of Del Rio	City of Del Rio	Yes	\$ 250,000.00		1879	1446	9249	13	17	133	45.0369072	58.10765839	Yes	unknown		Meets TWDB & RFPG criteria for FMEs
15100105	City of Del Rio Project 1	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,000.00		4	0	44	0	0	0	0.322179645	0	Yes	unknown	\$ 33,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
15100106	City of Del Rio Project 10	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,001.00		179	145	569	1	0	0	4.062042236	0	Yes	unknown	\$ 187,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
15100107	City of Del Rio Project 11	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,002.00		1	1	6	0	0	0	0	0	Yes	unknown	\$ 30,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
15100108	City of Del Rio Project 12	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,003.00		269	254	1387	3	2	22	5.00204277	3.953882456	Yes	unknown	\$ 49,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
15100109	City of Del Rio Project 13	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,004.00		3	3	0	0	0	1	0.100300953	0	Yes	unknown	\$ 20,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
151000110	15	Lower Rio Grande	City of Del Rio Project 14	Cantu Branch Amistad Blvd Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.03
151000111	15	Lower Rio Grande	City of Del Rio Project 15	Cantu Branch Kings Way - Site 2 Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	1.65
151000112	15	Lower Rio Grande	City of Del Rio Project 16	Cantu Branch Kings Way - Site 3 Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	1.65
151000113	15	Lower Rio Grande	City of Del Rio Project 17	Cantu Branch Amistad - Site 2a Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.01
151000114	15	Lower Rio Grande	City of Del Rio Project 18	Cantu Branch Amistad - Site 2b Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.01
151000115	15	Lower Rio Grande	City of Del Rio Project 19	Cantu Branch Kings Way/Amistad Blvd Storm sewer Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.02
151000116	15	Lower Rio Grande	City of Del Rio Project 2	Calaveras Creek Plaza / W. Viesca St. Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.02
151000117	15	Lower Rio Grande	City of Del Rio Project 3	Calaveras Creek Bowie Street Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.02
151000118	15	Lower Rio Grande	City of Del Rio Project 4	Calaveras Creek Vitela St Off Channel Detention	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.15
151000119	15	Lower Rio Grande	City of Del Rio Project 5	San Felipe Creek SFWF A Regional Detention	15000007,15000008	Val Verde	13080001	130800010207		Project Planning	0.01
151000120	15	Lower Rio Grande	City of Del Rio Project 6	San Felipe Creek RSWF B Regional Detention	15000007,15000008	Val Verde	13080001,13080001	130800010205,130800010207		Project Planning	0.04
151000121	15	Lower Rio Grande	City of Del Rio Project 7	San Felipe Creek Johnson Street Bridge Replacement	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.00

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000110	City of Del Rio Project 14	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,005.00		4	4	1	0	1	3	0.546234608	0.026746552	Yes	unknown	\$ 37,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000111	City of Del Rio Project 15	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,006.00		269	254	1387	3	2	22	5.00204277	3.953882456	Yes	unknown	\$ 48,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000112	City of Del Rio Project 16	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,007.00		269	254	1387	3	2	22	5.00204277	3.953882456	Yes	unknown	\$ 32,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000113	City of Del Rio Project 17	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,008.00		0	0	0	0	1	1	0.072356939	0.042493753	Yes	unknown	\$ 74,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000114	City of Del Rio Project 18	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,009.00		0	0	0	0	0	3	0.203901649	0	Yes	unknown	\$ 37,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000115	City of Del Rio Project 19	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,010.00		3	3	6	0	0	0	0.433796465	0	Yes	unknown	\$ 55,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000116	City of Del Rio Project 2	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,011.00		13	12	41	0	0	2	0.110010371	0	Yes	unknown	\$ 24,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000117	City of Del Rio Project 3	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,012.00		0	0	0	0	0	0	0	0	Yes	unknown	\$ 20,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000118	City of Del Rio Project 4	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,013.00		52	40	222	0	0	2	1.040059209	0	Yes	unknown	\$ 57,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000119	City of Del Rio Project 5	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,014.00		0	0	0	0	0	0	0	0	Yes	unknown	\$ 521,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000120	City of Del Rio Project 6	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,015.00		1	1	8	0	0	0	0	0	Yes	unknown	\$ 3,055,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000121	City of Del Rio Project 7	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,016.00		0	0	0	0	2	2	0.075286895	0	Yes	unknown	\$ 68,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000122	City of Del Rio Project 8	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,017.00		0	0	0	0	0	2	0.073980972	0	Yes	unknown	\$ 164,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000123	City of Del Rio Project 9	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,018.00		0	0	0	0	1	1	0.011157289	0	Yes	unknown	\$ 78,000.00	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.
151000124	Val Verde County	Riverine	Val Verde County	Val Verde County	Yes	\$ 500,000.00		2807	2056	10668	14	25	144	85.49390411	782.7149048	Yes	unknown		Meets TWDB & RFPG criteria for FMEs
151000125	Webb County Drainage District #1	Riverine	Webb County Drainage District #1	Webb County Drainage District #1	Yes	\$ 1,000,000.00		172	161	581	0	0	15	4.717885971	19.15755844	Yes	unknown		Meets TWDB & RFPG criteria for FMEs
151000126	City of Laredo	Riverine	City of Laredo	City of Laredo	Yes	\$ 1,000,000.00		16835	14751	89946	39	18	429	323.4264832	45.39732361	Yes	unknown		Meets TWDB & RFPG criteria for FMEs
151000127	City of Rio Bravo	Riverine	City of Rio Bravo	City of Rio Bravo	Yes	\$ 250,000.00		428	414	2117	1	0	0	5.49559164	2.365815878	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000128	City of El Cenizo	Riverine	City of El Cenizo	City of El Cenizo	Yes	\$ 250,000.00		52	51	231	0	0	0	1.699268103	5.034972191	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000129	City of Laredo Project 4	Riverine	City of Laredo	City of Laredo	Yes	\$ 150,000.00	Local, State	8	7	4	0	0	8	0.053713467	0	Yes	unknown	\$ 150,000.00	Meets TWDB & RFPG criteria for FMEs
151000130	City of Laredo Project 6	Riverine	City of Laredo	City of Laredo	Yes	\$ 330,000.00		993	857	5007	5	0	2	15.06357002	0	Yes	unknown	\$ 330,000.00	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
151000131	Webb County	Riverine	Webb County	Webb County	Yes	\$ 1,000,000.00		19826	17067	100185	44	26	509	471.965332	10265.7373	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000132	Zapata County	Riverine	Zapata County	Zapata County	Yes	\$ 250,000.00		641	360	1262	3	0	0	46.11603546	29758.13281	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000133	San Ygnacio MUD	Riverine	San Ygnacio MUD	San Ygnacio MUD	Yes	\$ 250,000.00		163	132	308	2	0	0	3.763420105	2.208425045	Yes	unknown		Meets TWDB & RFPG criteria for FMEs. Identified as a mapping gap.
151000134	NM-111	Riverine	City of Edinburg	City of Edinburg	Yes	\$ 86,180.58		6	4	39	0	0	0	0.741103709	42.1655159	No		\$ 718,171.47	Meets TWDB & RFPG criteria for FMEs
151000135	ES-100	Riverine	City of Edinburg	City of Edinburg	Yes	\$ 2,241,832.74		4	4	0	0	0	0	0.068781637	10.16055489	No		\$ 18,681,939.51	Meets TWDB & RFPG criteria for FMEs
151000136	ES-101	Riverine	City of Edinburg	City of Edinburg	Yes	\$ 398,929.20		16984	14428	89218	43	1	0	286.9000244	5997.096191	No		\$ 3,324,410.00	Meets TWDB & RFPG criteria for FMEs
151000137	SM-102	Riverine	City of Edinburg	City of Edinburg	Yes	\$ 185,952.68		18	14	55	0	0	0	0.694140255	32.82323074	No		\$ 1,549,605.68	Meets TWDB & RFPG criteria for FMEs
151000138	SM-103	Riverine	City of Edinburg	City of Edinburg	Yes	\$ 108,772.50		0	0	0	0	0	0	0.023151025	9.480563164	No		\$ 906,437.50	Meets TWDB & RFPG criteria for FMEs
151000139	SM-104	Riverine	City of Edinburg	City of Edinburg	Yes	\$ 195,060.72		1	1	0	0	0	0	0.172174215	0	No		\$ 1,625,505.96	Meets TWDB & RFPG criteria for FMEs
151000140	MC-100	Riverine	City of Edinburg	City of Edinburg		\$ 346,209.93		12	0	1	0	0	0	0	1.991763353	No		\$ 2,885,082.76	Meets TWDB & RFPG criteria for FMEs
151000141	Drain C-Right Culvert Improvements	Riverine	Cameron County Drainage District No. 3	Cameron County Drainage District No. 3	Yes	\$ 317,880.00		11804	9458	34643	32	0	146	302.0224609	48585.09375	No		\$ 2,649,000.00	Elevated to an FMP.
151000142	Webb County Hwy 359 Colonias Drainage	Riverine	Webb County	Webb County	Yes	\$ 100,000.00		19826	17067	100185	44	26	509	471.9665222	10265.5166	No		\$ 100,000.00	Meets TWDB & RFPG criteria for FMEs
151000143	Webb County Tanquecitos Colonia LOMR	Riverine	Webb County	Webb County	Yes	\$ 150,000.00		1	0	3	0	0	0	0.193136871	0	No		\$ 150,000.00	Meets TWDB & RFPG criteria for FMEs
151000144	Summers Regional Detention Pond and 100-year channel system	Riverine	Webb County Drainage District No.1	Webb County Drainage District No.1	Yes	\$ 4,885,000.00		0	0	0	0	0	0	0.06651891	1.050780416	No		\$ 4,885,000.00	Meets TWDB & RFPG criteria for FMEs
151000145	Lago Dam to Regional Pond Conversion	Riverine	Webb County Drainage District No.1	Webb County Drainage District No.1	Yes	\$ 858,000.00		2	2	0	0	0	0	0.035496693	0.135367021	No		\$ 858,000.00	Meets TWDB & RFPG criteria for FMEs
151000146	Los Presidentes Arterial Road Extension- Phase 1 and 2A	Riverine	Webb County Drainage District No.1	Webb County Drainage District No.1	Yes	\$ 1,092,000.00		172	161	581	0	0	15	4.717885494	19.15755844	No		\$ 1,092,000.00	Meets TWDB & RFPG criteria for FMEs
151000147	Concord Hills Extension and Drainage Improvements	Riverine	Webb County Drainage District No.1	Webb County Drainage District No.1	Yes	\$ 1,522,000.00		172	161	581	0	0	15	4.717885494	19.15755844	No		\$ 1,522,000.00	Meets TWDB & RFPG criteria for FMEs

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
151000317	15	Lower Rio Grande	City of South Padre Island - Addition of SPI Outfall	Study outfall needed between Sheraton/Sea Vista	15000005,15000006	Cameron	12110208	121102081000		Project Planning	3.15
151000318	15	Lower Rio Grande	City of South Padre Island - SPI drainage study/identification of infrastructure improvements.	Identify drainage issues and develop storm sewer system and outfall for Gulf Blvd	15000005,15000006	Cameron	12110208	121102081000		Project Planning	3.15
151000319	15	Lower Rio Grande	City of South Padre Island - Bayside outfall	Design outfall into Laguna Madre S. of Go Cart Track.	15000005,15000006	Cameron	12110208	121102081000		Project Planning	3.15
151000320	15	Lower Rio Grande	Cameron County - SouthPoint/Reid Hope King/Villa Pancho Channel / Pump Station	New channel to river is needed. pump station required to pump into river when levels are high	15000005,15000006	Cameron	12110208,13090002	121102080900,130900020501		Project Planning	3.15
151000321	15	Lower Rio Grande	Cameron County Precinct No.1 - CCP1 Ditch Reclaim A	Reclaim/Repair/ Regrade ditch between Florida/Dockberry and Brownsville/FM 511	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000322	15	Lower Rio Grande	Cameron County Drainage District No.1 - Ditch 2 detention ponds	200 acre elevated detention pond with pump station	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000323	15	Lower Rio Grande	City of Brownsville - FM802/HW48 Drainage Improvements	Roadway and drainage improvement for industrial dist	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000324	15	Lower Rio Grande	City of Brownsville - Colonia Galaxia Outfall improvements.	Addition of Pump station to pump water into Rio Grande	15000005,15000006	Cameron	12110208,13090002	121102080900,130900020403		Project Planning	3.15
151000325	15	Lower Rio Grande	City of Brownsville - Central Blvd/Stovall Rd connection improvements	Improve drainage system connecting Resaca	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000326	15	Lower Rio Grande	Cameron County Drainage District No.1 - Cameron Park lateral improvements	Clean, expand and define responsible party	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000327	15	Lower Rio Grande	City of Los Fresnos - Los Fresnos S.E Outfall Improvements.	Improve/widen ditch to increase flow	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000328	15	Lower Rio Grande	City of Rancho Viejo - FM 1732/Carmen Ave Crossing Improvements.	Improve drainage structure under FM1732 to equalize flooding across roadway.	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000329	15	Lower Rio Grande	City of Mission - Flood monitor	Install flood levels besides major roadways for citizens.	15000005,15000006	Hidalgo	12110208,12110208,12110208,13090002,13090002	121102080100,121102080200,121102080300,130900020301,130900020305		Project Planning	36.48
151000330	15	Lower Rio Grande	City of Rancho Viejo - Rancho Viejo Outfall at US77 Expansion	Drainage Improvements/infrastructure at crossing under US77. Expansion of outlet needed.	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000331	15	Lower Rio Grande	Cameron County Drainage District No.1 - Rancho Viejo Resaca Improvements.	Dredge, improve Resaca drainage connectivity	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000332	15	Lower Rio Grande	Cameron County Precinct No.2 - CCP2 Ditch Reclaim D	Project 22 in Cam Co Digest Request Forms - Reclaiming/Repairing/Regrading of ditch SW of rancho Viejo.	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000333	15	Lower Rio Grande	Cameron County Precinct No.2 - CCP2 Ditch Reclaim E	Project 22 in Cam Co Digest Request Forms - Reclaiming/Repairing/Regrading of ditch NW of Rancho Viejo Between FM1421 and HW 100	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000334	15	Lower Rio Grande	Clark Road Ditch Improvements	Clark Road Ditch Improvements	15000005,15000006	Cameron	12110208,12110208,12110208	121102080300,121102080600,121102080700		Project Planning	57.53
151000335	15	Lower Rio Grande	Cameron County Drainage District No.3 - Cameron County Drainage District No. 3 Drain Expansion	Expand capacity along Cameron County Drainage District No. 3 Drains, acquire add ROW	15000005,15000006	Cameron	12110208,12110208	121102080700,121102080800		Project Planning	3.15
151000336	15	Lower Rio Grande	City of Indian Lake - Indian Lake Resaca Dredging	Dredging of Resaca to increase detention	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	3.15
151000337	15	Lower Rio Grande	City of Laguna Vista - Broadway/ FM510 Drainage Improvements	Drainage infrastructure improvements needed along Broadway and connecting streets.	15000005,15000006	Cameron	12110208,12110208,12110208	121102080800,121102080900,121102081000		Project Planning	3.15
151000338	15	Lower Rio Grande	City of Laguna Vista - Laguna Vista Drain Relocation	Relocate outfall or remove Black Mangroves (Endangered species)	15000005,15000006	Cameron	12110208,12110208,12110208	121102080800,121102080900,121102081000		Project Planning	3.15
151000339	15	Lower Rio Grande	City of Laguna Vista - Addition of Laguna Vista Relief Drain	Relief drain North of Hw100 to Bahia Grande	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	3.15
151000340	15	Lower Rio Grande	City of Los Fresnos - Los Fresnos N. Drainage Improvements	Improve existing drain system for future development	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	3.15
151000341	15	Lower Rio Grande	Cameron County Precinct No.3 - West Bayview Drainage Improvement (South Green Valley Farms)	Ditch maintenance and improvements, increase culvert size where needed, .5mi W of FM 803 to .5mi E of FM 3609 along FM 510 & -1mi N along FM 803	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000317	City of South Padre Island - Addition of SPI Outfall	Local	City of South Padre Island	City of South Padre Island	Yes	\$ 362,708.40		173	53	922	1	0	10	4.865503311	2.869218588	No		\$ 3,022,570.00	Meets TWDB & RFPG criteria for FMEs
151000318	City of South Padre Island - SPI drainage study/identification of infrastructure improvements.	Local	City of South Padre Island	City of South Padre Island	Yes	\$ 250,000.00		903	693	2993	1	0	81	17.2087822	0	No			Meets TWDB & RFPG criteria for FMEs
151000319	City of South Padre Island - Bayside outfall	Local	City of South Padre Island	City of South Padre Island	Yes	\$ 132,000.00		491	320	1970	0	0	57	13.48453999	1.844157219	No		\$ 1,100,000.00	Meets TWDB & RFPG criteria for FMEs
151000320	Cameron County - SouthPoint/Reid Hope King/Villa Pancho Channel/ Pump Station	Local	Cameron County Engineering Dept.	Cameron County Engineering Dept.	Yes	\$ 503,670.75		585	519	2302	0	0	2	9.143832207	546.0554199	No		\$ 4,197,256.25	Meets TWDB & RFPG criteria for FMEs
151000321	Cameron County Precinct No.1 - CCP1 Ditch Reclaim A	Local	Cameron County Precinct No.1	Cameron County Precinct No.1	Yes	\$ 127,274.40		164	145	522	0	0	4	4.776784897	922.2539063	No		\$ 1,060,620.00	Meets TWDB & RFPG criteria for FMEs
151000322	Cameron County Drainage District No. 1 - Ditch 2 detention ponds	Local	Cameron County Drainage District No.1	Cameron County Drainage District No.1	Yes	\$ 548,233.54		0	0	0	0	0	1	1.556419015	111.2856979	No		\$ 4,568,612.85	Meets TWDB & RFPG criteria for FMEs
151000323	City of Brownsville - FM802/HW48 Drainage Improvements	Local	City of Brownsville	City of Brownsville	Yes	\$ 49,666.48		1579	1288	7489	3	0	38	25.77851677	363.0787659	No		\$ 413,887.34	Meets TWDB & RFPG criteria for FMEs
151000324	City of Brownsville - Colonia Galaxia Outfall improvements.	Local	City of Brownsville	City of Brownsville	Yes	\$ 234,421.90		1916	1861	5556	1	0	6	24.33143044	303.3023682	No		\$ 1,953,515.86	Meets TWDB & RFPG criteria for FMEs
151000325	City of Brownsville - Central Blvd/Stoval Rd connection improvements	Local	City of Brownsville	City of Brownsville	Yes	\$ 80,087.01		2694	2302	18288	10	0	46	39.70646667	18.07210732	No		\$ 667,391.79	Meets TWDB & RFPG criteria for FMEs
151000326	Cameron County Drainage District No.1 - Cameron Park lateral improvements	Local	Cameron County Drainage District No.1	Cameron County Drainage District No.1	Yes	\$ 350,169.00		3400	3279	11385	4	0	101	36.99518585	276.2944641	No		\$ 2,918,075.00	Meets TWDB & RFPG criteria for FMEs
151000327	City of Los Fresnos - Los Fresnos S.E Outfall Improvements.	Local	City of Los Fresnos	City of Los Fresnos	Yes	\$ 257,464.05		21	6	115	0	0	1	1.413072467	243.5309753	No		\$ 2,145,533.75	Meets TWDB & RFPG criteria for FMEs
151000328	City of Rancho Viejo - FM 1732/Carmen Ave Crossing Improvements.	Local	City of Rancho Viejo	City of Rancho Viejo	Yes	\$ 192,551.17		108	99	437	0	0	11	6.220637798	1352.19043	No		\$ 1,604,593.08	Meets TWDB & RFPG criteria for FMEs
151000329	City of Mission - Flood monitor	Local	City of Mission	City of Mission	Yes	\$ 5,000		19516	16703	63925	32	0	0	301.4389954	6278.49707	No		\$ 600,000.00	Does not meet criteria for FME.
151000330	City of Rancho Viejo - Rancho Viejo Outfall at US77 Expansion	Local	City of Rancho Viejo	City of Rancho Viejo	Yes	\$ 348,195.60		1596	1470	5788	1	0	2	33.90429306	525.7542725	No		\$ 2,901,630.00	Meets TWDB & RFPG criteria for FMEs
151000331	Cameron County Drainage District No.1 - Rancho Viejo Resaca Improvements.	Local	Cameron County Drainage District No.1	Cameron County Drainage District No.1	Yes	\$ 98,670.00		545	527	1775	0	0	6	10.165411	727.1370239	No		\$ 822,250.00	Meets TWDB & RFPG criteria for FMEs
151000332	Cameron County Precinct No.2 - CCP2 Ditch Reclaim D	Local	Cameron County Precinct No.2	Cameron County Precinct No.2	Yes	\$ 147,456.90		235	217	776	0	0	5	5.80452776	1076.405518	No		\$ 1,228,807.50	Meets TWDB & RFPG criteria for FMEs
151000333	Cameron County Precinct No.2 - CCP2 Ditch Reclaim E	Local	Cameron County Precinct No.2	Cameron County Precinct No.2	Yes	\$ 89,869.50		94	82	331	0	0	2	7.092060089	1387.273926	No		\$ 748,912.50	Meets TWDB & RFPG criteria for FMEs
151000334	Clark Road Ditch Improvements	Local	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 162,337.50		4477	3776	10427	3	1	124	122.7391891	19334.98242	No		\$ 1,352,812.50	Elevated to an FMP.
151000335	Cameron County Drainage District No.3 - Cameron County Drainage District No. 3 Drain Expansion	Local	Cameron County Drainage District No.3	Cameron County Drainage District No.3	Yes	\$ 1,912,545.00		1949	1494	6500	5	0	4	33.46679688	169.3640137	No		\$ 15,937,875.00	Meets TWDB & RFPG criteria for FMEs
151000336	City of Indian Lake - Indian Lake Resaca Dredging	Local	City of Indian Lake	City of Indian Lake	Yes	\$ 71,760.00		384	330	1172	2	0	0	5.077186108	547.421936	No		\$ 598,000.00	Meets TWDB & RFPG criteria for FMEs
151000337	City of Laguna Vista - Broadway/ FM510 Drainage Improvements	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 110,670.00		1153	1101	2077	4	0	45	14.54654789	32.95265579	No		\$ 922,250.00	Meets TWDB & RFPG criteria for FMEs
151000338	City of Laguna Vista - Laguna Vista Drain Relocation	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 300,000.00		443	413	833	3	0	24	8.967287064	32.73516083	No		\$ 2,500,000.00	Meets TWDB & RFPG criteria for FMEs
151000339	City of Laguna Vista - Addition of Laguna Vista Relief Drain	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 20,970.00		45	36	67	0	0	6	4.6972332	66.33362579	No		\$ 174,750.00	Meets TWDB & RFPG criteria for FMEs
151000340	City of Los Fresnos - Los Fresnos N. Drainage Improvements	Local	City of Los Fresnos	City of Los Fresnos	Yes	\$ 29,940.00		1131	990	4332	6	0	0	19.3693806	518.6832275	No		\$ 249,500.00	Meets TWDB & RFPG criteria for FMEs
151000341	Cameron County Precinct No.3 - West Bayview Drainage Improvement (South Green Valley Farms)	Local	Cameron County Precinct No.3	Cameron County Precinct No.3	Yes	\$ 116,494.80		248	231	774	0	0	0	4.088078499	1150.893433	No		\$ 970,789.99	Meets TWDB & RFPG criteria for FMEs

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
151000342	15	Lower Rio Grande	Cameron County Precinct No.3 - FM 1847 Roadside Ditch and Drainage Improvements	Create roadside ditches and positive outfall/flow for FM 1847, north of FM 510	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000343	15	Lower Rio Grande	West Bayview Drainage Improvement Phase IV	Ditch maintenance and improvements, increase culvert size where needed, .5mi W of FM 803 to .5mi E of FM 3609 along FM 510 & ~1mi N along FM 803	15000005,15000006	Cameron	12110208,12110208	121102080800,121102080900		Project Planning	3.15
151000344	15	Lower Rio Grande	West Bayview Drainage Improvement Phase V	Proposed ditch to bypass water around the subdivision to existing drainage structure	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000345	15	Lower Rio Grande	City of Palm Valley - Palm Valley Resacas Improvements	Dredging of Resaca in Golf Course to increase capacity	15000005,15000006	Cameron	12110208,12110208	121102080600,121102080700		Project Planning	3.15
151000346	15	Lower Rio Grande	City of Palm Valley - Stuart Place Road Drainage Improvements	Major flooding impedes emergency response. 5ft water. Improve drainage structures.	15000005,15000006	Cameron	12110208,12110208	121102080600,121102080700		Project Planning	3.15
151000347	15	Lower Rio Grande	Bayview Irrigation District - Bayview-San Roman North Pump Station	Connect Resaca and pump station needed to move water out of Resaca	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000348	15	Lower Rio Grande	Bayview Irrigation District - Bayview Detention Facility	Detention facilities needed to increase holding capacity	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000349	15	Lower Rio Grande	Bayview Irrigation District - Laguna Atascosa Outfall Expansion	Refuge hinders outfall cap for Bayview ID11 Coop Needed for more outflow/larger gates	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000350	15	Lower Rio Grande	Bayview Irrigation District - Laguna Atascosa Gate Upgrade / Expansion	Larger/more gates needed for more outflow capabilities.	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000351	15	Lower Rio Grande	City of Palm Valley - Palm Valley Master Drainage Study	Master drainage study map needed. Structures have never been mapped	15000005,15000006	Cameron	12110208,12110208	121102080600,121102080700		Watershed Planning	3.15
151000352	15	Lower Rio Grande	Cameron County Drainage District No.4 - FM 510 Crossing Improvements	Improve flow capacity at crossings on FM 510 to prevent stacking	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000353	15	Lower Rio Grande	Cameron County - Chula Vista Orason Drainage Improvements	Flooding issues compounded by inadequate infrastructure. Improve to overall drainage infra.	15000005,15000006	Cameron	12110208	121102080900		Project Planning	3.15
151000354	15	Lower Rio Grande	Cameron County Drainage District No.3 - Main Drain A Downstream Improvements, Drain B-1	Enlarge Culverts, exchange 60" RCP for 8'x8' concrete box culvert (FM 732 crossing), and a 4'x3' RCB with a 8'x8' RCP. See 2010 ESPEY 6.2.2 Alternative 2, page 37	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000355	15	Lower Rio Grande	Cameron County Drainage District No.3 - Main Drain A Capacity Increase Project	Incr. channel width, replace N. and S. bridges at Bus77 to CR596 & replace flume with siphon downstream of Iowa Gardens Rd. See 2010 ESPEY 6.2.2 Alt. 2a, page 38	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000356	15	Lower Rio Grande	Southwest Ditch Widening	Southwest Ditch Widening	15000005,15000006	Cameron	12110208,12110208,12110208	121102080300,121102080600,121102080700		Project Planning	57.53
151000357	15	Lower Rio Grande	Cameron County Drainage District No.3 - Drain F-23 Culvert Improvements	Replace existing 48" RCP at Williams Road and 36" RCP at Irene Street with 6'x6' RCB. See 2010 ESPEY 6.2.7 Alternative 7, page 41	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000358	15	Lower Rio Grande	Cameron County Drainage District No.5/ Harlingen Irrigation District - Hensz and Perk Lane Laterals Crossing Replacements	Replacement of crossings on Hensz and perk Lane laterals	15000005,15000006	Cameron	12110208,12110208,12110208,12110208,13090002	121102080300,121102080600,121102080700,121102080900,130900020403		Project Planning	88.68
151000359	15	Lower Rio Grande	City of San Benito - South Rail Drainage	South of R.R. -Drainage improvement and flood elevation measures	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000360	15	Lower Rio Grande	City of San Benito - North Rail Drainage	North of R.R. -Drainage improvement and flood elevation measures	15000005,15000006	Cameron	12110208	121102080800		Project Planning	3.15
151000361	15	Lower Rio Grande	City of San Benito - Lateral Connections to Drainage District	Connecting existing San Benito laterals to Drainage District ditches	15000005,15000006	Cameron	12110208,12110208	121102080700,121102080800		Project Planning	3.15
151000362	15	Lower Rio Grande	City of Primera - Primera/Wilson Tract Main Outfall Improvements	Improvements/expansion along Wilson main tract to relief stacking into Primera.	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000363	15	Lower Rio Grande	City of Primera - Primera Detention Ponds	Additional Detention facilities needed	15000005,15000006	Cameron	12110208,12110208,12110208	121102080300,121102080600,121102080700		Project Planning	3.15
151000364	15	Lower Rio Grande	Cameron County Precinct No.4 - North Floodway Control Structure Improvements	Proposed replacement of gates and check valves into the floodway	15000005,15000006	Cameron	12110208,12110208	121102080300,121102080500		Project Planning	3.15
151000365	15	Lower Rio Grande	Cameron County Precinct No.4 - NF-13 Capacity and Structure Improvements (North FM 800)	Improve existing drainage ditch NF-13 and existing culverts on North FM 800	15000005,15000006	Cameron	12110208,12110208,12110208	121102080300,121102080600,121102080700		Project Planning	3.15
151000366	15	Lower Rio Grande	Cameron County Precinct No.4 - North Floodway Bypass / Hardin Ranch Drain Extension	Proposed major east-west ditch utilizing some existing drainage structures to provide a major outfall in lieu of floodway	15000005,15000006	Cameron	12110208,12110208	121102080300,121102080700		Project Planning	3.15

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000342	Cameron County Precinct No.3 - FM 1847 Roadside Ditch and Drainage Improvements	Local	Cameron County Precinct No.3	Cameron County Precinct No.3	Yes	\$ 60,512.96		225	210	569	0	0	8	5.197523117	1121.572876	No		\$ 504,274.64	Meets TWDB & RFPG criteria for FMEs
151000343	West Bayview Drainage Improvement Phase IV	Local	Cameron County Precinct No.3	Cameron County Precinct No.3	Yes	\$ 622,526.53		45	35	122	0	0	0	0.869727075	319.0829468	No		\$ 5,187,721.07	Meets TWDB & RFPG criteria for FMEs
151000344	West Bayview Drainage Improvement Phase V	Local	Cameron County Precinct No.4	Cameron County Precinct No.4	Yes	\$ 309,613.00		2	2	13	0	0	1	1.999701023	620.2572021	No		\$ 2,580,108.34	Meets TWDB & RFPG criteria for FMEs
151000345	City of Palm Valley - Palm Valley Resacas Improvements	Local	City of Palm Valley	City of Palm Valley	Yes	\$ 188,370.00		1318	1127	4381	2	0	80	24.68896484	470.7433472	No		\$ 1,569,750.00	Meets TWDB & RFPG criteria for FMEs
151000346	City of Palm Valley - Stuart Place Road Drainage Improvements	Local	City of Palm Valley	City of Palm Valley	Yes	\$ 109,753.20		976	919	3591	2	0	64	17.10561752	523.838501	No		\$ 914,610.00	Meets TWDB & RFPG criteria for FMEs
151000347	Bayview Irrigation District - Bayview-San Roman North Pump Station	Local	Bayview Irrigation District 11	Bayview Irrigation District 11	Yes	\$ 299,040.00		42	38	98	0	0	0	0.86986649	297.5675354	No		\$ 2,492,000.00	Meets TWDB & RFPG criteria for FMEs
151000348	Bayview Irrigation District - Bayview Detention Facility	Local	Bayview Irrigation District 11	Bayview Irrigation District 11	Yes	\$ 460,500.00		33	29	102	0	0	0	0.594193459	527.5245972	No		\$ 3,837,500.00	Meets TWDB & RFPG criteria for FMEs
151000349	Bayview Irrigation District - Laguna Atascosa Outfall Expansion	Local	Bayview Irrigation District 11	Bayview Irrigation District 11	Yes	\$ 473,616.00		0	0	0	0	0	4	0	8.007629395	No		\$ 3,946,800.00	Meets TWDB & RFPG criteria for FMEs
151000350	Bayview Irrigation District - Laguna Atascosa Gate Upgrade / Expansion	Local	Bayview Irrigation District 11	Bayview Irrigation District 11	Yes	\$ 282,555.00		0	0	0	0	0	5	0	13.42887497	No		\$ 2,354,625.00	Meets TWDB & RFPG criteria for FMEs
151000351	City of Palm Valley - Palm Valley Master Drainage Study	Local	City of Palm Valley	City of Palm Valley	Yes	\$ 250,000.00		1368	1111	4167	1	0	71	21.71375084	498.7597961	No			Meets TWDB & RFPG criteria for FMEs
151000352	Cameron County Drainage District No.4 - FM 510 Crossing Improvements	Local	Cameron County Drainage District No.4	Cameron County Drainage District No.4	Yes	\$ 882,090.00		337	315	842	0	0	11	7.404421329	827.9464722	No		\$ 7,350,750.00	Meets TWDB & RFPG criteria for FMEs
151000353	Cameron County - Chula Vista Orason Drainage Improvements	Local	Cameron County	Cameron County	Yes	\$ 503,670.75		258	229	925	0	0	0	2.269694567	375.7668762	No		\$ 4,197,256.25	Meets TWDB & RFPG criteria for FMEs
151000354	Cameron County Drainage District No.3 - Main Drain A Downstream Improvements, Drain B-1	Local	Cameron County Drainage District No.3	Cameron County Drainage District No.3	Yes	\$ 150,000.00		1016	924	2538	2	0	9	13.63159466	472.0452881	No		\$ 9,515,000.00	Meets TWDB & RFPG criteria for FMEs
151000355	Cameron County Drainage District No.3 - Main Drain A Capacity Increase Project	Local	Cameron County Drainage District No.3	Cameron County Drainage District No.3	Yes	\$ 1,928,833.61		175	136	335	0	0	1	3.260917187	946.2337646	No		\$ 16,073,613.38	Meets TWDB & RFPG criteria for FMEs
151000356	Southwest Ditch Widening	Local	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 121,200.00		4477	3776	10427	3	1	124	122.7391891	19334.98242	No		\$ 1,010,000.00	Elevated to an FMP.
151000357	Cameron County Drainage District No.3 - Drain F-23 Culvert Improvements	Local	Cameron County Drainage District No.3	Cameron County Drainage District No.3	Yes	\$ 23,127.51		277	233	808	0	0	0	8.217144012	1282.123047	No		\$ 192,729.25	Elevated to an FMP.
151000358	Cameron County Drainage District No.5/ Harlingen Irrigation District - Hensz and Perk Lane Laterals Crossing Replacements	Local	Cameron County Drainage District No.5/ Harlingen Irrigation District	Cameron County Drainage District No.5/ Harlingen Irrigation District	Yes	\$ 1,349,413.23		19892	15389	70798	44	0	366	393.3631287	27491.25586	No		\$ 11,245,110.27	Meets TWDB & RFPG criteria for FMEs
151000359	City of San Benito - South Rail Drainage	Local	City of San Benito	City of San Benito	Yes	\$ 792,941.88		1488	1275	5212	6	0	29	27.84148026	363.9106445	No		\$ 6,607,849.00	Meets TWDB & RFPG criteria for FMEs
151000360	City of San Benito - North Rail Drainage	Local	City of San Benito	City of San Benito	Yes	\$ 1,283,548.32		2155	1895	6417	8	0	26	35.92948914	279.7034302	No		\$ 10,696,236.00	Meets TWDB & RFPG criteria for FMEs
151000361	City of San Benito - Lateral Connections to Drainage District	Local	City of San Benito	City of San Benito	Yes	\$ 84,700.56		2000	1718	6721	7	0	9	34.91822433	64.15005493	No		\$ 705,838.00	Meets TWDB & RFPG criteria for FMEs
151000362	City of Primera - Primera/Wilson Tract Main Outfall Improvements	Local	City of Primera	City of Primera	Yes	\$ 110,670.00		323	261	817	0	0	26	10.05306721	1291.666748	No		\$ 922,250.00	Meets TWDB & RFPG criteria for FMEs
151000363	City of Primera - Primera Detention Ponds	Local	City of Primera	City of Primera	Yes	\$ 425,393.97		386	356	1862	2	0	24	8.820304871	1197.868408	No		\$ 3,544,949.77	Meets TWDB & RFPG criteria for FMEs
151000364	Cameron County Precinct No.4 - North Floodway Control Structure	Local	Cameron County Precinct No.4	Cameron County Precinct No.4	Yes	\$ 313,950.00		4	4	7	0	1	7	6.037511826	1706.735352	No		\$ 2,616,250.00	Meets TWDB & RFPG criteria for FMEs
151000365	Cameron County Precinct No.4 - NF-13 Capacity and Structure Improvements (North FM 800)	Local	Cameron County Precinct No.4	Cameron County Precinct No.4	Yes	\$ 1,262,650.48		58	34	183	0	0	4	3.362349272	1366.461548	No		\$ 10,522,087.36	Meets TWDB & RFPG criteria for FMEs
151000366	Cameron County Precinct No.4 - North Floodway Bypass / Hardin Ranch Drain Extension	Local	Cameron County Precinct No.4	Cameron County Precinct No.4	Yes	\$ 7,878,951.92		0	0	0	0	0	0	0	1149.769165	No		\$ 65,657,932.63	Meets TWDB & RFPG criteria for FMEs

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
151000367	15	Lower Rio Grande	Tio Cano Lake Detention / Retention Facility	Proposed detention / retention pond	15000005,15000006	Cameron	12110208	121102080600		Project Planning	3.15
151000368	15	Lower Rio Grande	Cameron County Precinct No.4/Camrean County Drainage District No.5 - Southwest Main Drain / Arroyo Colorado Connector	Construct a ditch to the Arroyo Colorado via the CCDDNo.5 Southwest Main Drain (Baker Potts - Hoss Lane)	15000005,15000006	Cameron	12110208	121102080600		Project Planning	3.15
151000369	15	Lower Rio Grande	Cameron County Precinct No.4/Camrean County Drainage District No.5 - Santa Rosa Capacity & Structure Improvements	Improve / replace existing drainage structures to increase capacity.	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000370	15	Lower Rio Grande	Cameron County Drainage District No.5 - Wilson Main Tract Drain Expansion	Expand the Wilson Main Tract Drain which acts as primary drain and outfall for a major part of The City of Primera North. The expansion will prevent stacking throughout connecting laterals and to protect assets in effected area.	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000371	15	Lower Rio Grande	Cameron County Drainage District No.5 - Young Lateral - Wilson Main Tract Connection	Connection of Young lateral to Wilson Main Tract.	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000372	15	Lower Rio Grande	Harlingen Irrigation District - Morris Rd Connectivity	Connectivity needed for neighborhoods in Morris Rd Area.	15000005,15000006	Cameron	12110208,12110208	121102080600,121102080700		Project Planning	3.15
151000373	15	Lower Rio Grande	Harlingen Irrigation District - Ebony / 800 Expansion	Culvert improvements under TxDOT roadways to move storm water.	15000005,15000006	Cameron	12110208,12110208	121102080600,121102080800		Project Planning	3.15
151000374	15	Lower Rio Grande	Harlingen Irrigation District - Adams Garden Crossing Expansion	Enlarge crossings on entire system to outfall into main floodway	15000005,15000006	Cameron	12110208,12110208,12110208	121102080300,121102080600,121102080700		Project Planning	3.15
151000375	15	Lower Rio Grande	Harlingen Irrigation District - North Combes - Connectivity	No current connectivity to drainage system. Connectivity needed.	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000376	15	Lower Rio Grande	La Feria Irrigation District - Bixby Drainage Improvements	Homes flood during storm event. Upgraded infrastructure needed.	15000005,15000006	Cameron	12110208	121102080600		Project Planning	3.15
151000377	15	Lower Rio Grande	City of Rio Hondo - Rio Hondo Connectivity	Need to develop channel/connectivity either north to Arroyo Colorado or South to Rio Grande River	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000378	15	Lower Rio Grande	La Feria Irrigation District - La Feria/ 6.0 Channel Widening	Channel widening from Arroyo Colorado to Wilson Main Tract crossover	15000005,15000006	Cameron	12110208	121102080600		Project Planning	3.15
151000379	15	Lower Rio Grande	La Feria Irrigation District - Tio Cano Lake Capacity Improvements	Deepening/widening of Tio Cano Lake to provide storage	15000005,15000006	Cameron	12110208	121102080600		Project Planning	3.15
151000380	15	Lower Rio Grande	City of Rio Hondo - Rio Hondo Drainage Improvements	Overall H&H improvements throughout city	15000005,15000006	Cameron	12110208	121102080700		Watershed Planning	3.15
151000381	15	Lower Rio Grande	City of Rio Hondo - Rio Hondo Evacuation Center	Construct an evacuation center needed during storm event	15000005,15000006	Cameron	12110208	121102080700		Preparedness	3.15
151000382	15	Lower Rio Grande	City of Santa Rosa - Santa Rosa Drainage System Improvements	Clay lines in place. Total system infrastructure improvements needed. Manholes collapse.	15000005,15000006	Cameron	12110208,12110208	121102080300,121102080600		Project Planning	3.15
151000383	15	Lower Rio Grande	City of Santa Rosa - Santa Rosa - 107 Channel / Crossover	Expansion of channel and culvert rossings at railroad tracks.	15000005,15000006	Cameron	12110208,12110208	121102080300,121102080600		Project Planning	3.15
151000384	15	Lower Rio Grande	City of Santa Rosa - Santa Rosa Connectivity	Connectivity needed to alleviate major flooding during 50-year storms. Connection of Santa Rosa to surrounding area	15000005,15000006	Cameron	12110208,12110208	121102080300,121102080600		Project Planning	3.15
151000385	15	Lower Rio Grande	City of Los Indios - Los Indios-Carrasitos Trail Drainage Improvements	new storm water drainage system needed.	15000005,15000006	Cameron	12110208,13090002	121102080900,130900020403		Project Planning	3.15
151000386	15	Lower Rio Grande	Cameron County - Reba-Bass Lake Drainage Improvements	Drainage improvements between Bus 83 and Arroyo Colorado	15000005,15000006	Cameron	12110208	121102080600		Project Planning	3.15
151000387	15	Lower Rio Grande	City of Los Indios - Los Indios-Del Rio East Subdivision Improvements	Infrastructure to include the improvement of storm water drainage.	15000005,15000006	Cameron	12110208,13090002	121102080900,130900020403		Project Planning	3.15
151000388	15	Lower Rio Grande	City of Rio Hondo - Rio Hondo Dam Repair	Repair and rehabilitate the Dam that holds Resaca water and connects City to park on the peninsula	15000005,15000006	Cameron	12110208	121102080700		Project Planning	3.15
151000389	15	Lower Rio Grande	Willacy County Precinct No.1 - La Sara Drain Ditch improvement	improve -6,000 LF of existing drain ditches in La Sara	15000005,15000006	Willacy	12110208	121102080400		Project Planning	3.15

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000367	Tio Cano Lake Detention / Retention Facility	Local	Cameron County Precinct No.4, Cameron County Drainage District No. 6	Cameron County Precinct No.4, Cameron County Drainage District No. 6	Yes	\$ 1,203,278.13		75	63	141	0	0	3	1.30333364	888.6930542	No		\$ 10,027,317.73	Meets TWDB & RFPG criteria for FMEs
151000368	Cameron County Precinct No.4/Camreón County Drainage District No.5 - Southwest Main Drain / Arroyo Colorado Connector	Local	Cameron County Precinct No.4/Camreón County Drainage District No.5	Cameron County Precinct No.4/Camreón County Drainage District No.5	Yes	\$ 529,195.25		295	271	740	0	0	0	6.787519932	679.2796631	No		\$ 4,409,960.44	Meets TWDB & RFPG criteria for FMEs
151000369	Cameron County Precinct No.4/Camreón County Drainage District No.5 - Santa Rosa Capacity & Structure Improvements	Local	Cameron County Precinct No.4/Camreón County Drainage District No.5	Cameron County Precinct No.4/Camreón County Drainage District No.5	Yes	\$ 794,098.77		174	143	411	0	0	8	5.45170927	1280.014404	No		\$ 6,617,489.79	Meets TWDB & RFPG criteria for FMEs
151000370	Cameron County Drainage District No.5 - Wilson Main Tract Drain Expansion	Local	Cameron County Drainage District No.5	Cameron County Drainage District No.5	Yes	\$ 343,551.00		712	687	2338	1	0	35	10.42945671	1033.495972	No		\$ 2,862,925.00	Meets TWDB & RFPG criteria for FMEs
151000371	Cameron County Drainage District No.5 - Young Lateral-Wilson Main Tract Connection	Local	Cameron County Drainage District No.5	Cameron County Drainage District No.5	Yes	\$ 695,554.20		908	733	2383	3	0	25	13.94713306	902.0551147	No		\$ 5,796,285.00	Meets TWDB & RFPG criteria for FMEs
151000372	Harlingen Irrigation District - Morris Rd Connectivity	Local	Harlingen Irrigation District No.1	Harlingen Irrigation District No.1	Yes	\$ 300,000.00		574	521	1732	2	0	32	10.48540497	1084.323242	No		\$ 2,500,000.00	Meets TWDB & RFPG criteria for FMEs
151000373	Harlingen Irrigation District - Ebony / 800 Expansion	Local	Harlingen Irrigation District No.1	Harlingen Irrigation District No.1	Yes	\$ 300,000.00		130	87	224	1	0	15	7.924923897	1616.666138	No		\$ 2,500,000.00	Meets TWDB & RFPG criteria for FMEs
151000374	Harlingen Irrigation District - Adams Garden Crossing Expansion	Local	Harlingen Irrigation District No.1	Harlingen Irrigation District No.1	Yes	\$ 1,441,620.00		54	29	183	0	0	2	3.144589186	1430.804688	No		\$ 12,013,500.00	Meets TWDB & RFPG criteria for FMEs
151000375	Harlingen Irrigation District - North Combes - Connectivity	Local	Harlingen Irrigation District No.1	Harlingen Irrigation District No.1	Yes	\$ 695,554.20		165	136	333	0	0	5	2.698346853	1408.723022	No		\$ 5,796,285.00	Meets TWDB & RFPG criteria for FMEs
151000376	La Feria Irrigation District - Bixby Drainage Improvements	Local	La Feria Irrigation District	La Feria Irrigation District	Yes	\$ 1,231,036.35		229	166	541	0	0	1	4.102491379	677.6976318	No		\$ 10,258,636.23	Meets TWDB & RFPG criteria for FMEs
151000377	City of Rio Hondo - Rio Hondo Connectivity	Local	City of Rio Hondo	City of Rio Hondo	Yes	\$ 219,504.60		887	694	3863	6	0	5	17.35983849	1088.213867	No		\$ 1,829,205.00	Meets TWDB & RFPG criteria for FMEs
151000378	La Feria Irrigation District - La Feria / 6.0 Channel Widening	Local	La Feria Irrigation District	La Feria Irrigation District	Yes	\$ 421,426.20		660	573	1712	0	0	36	15.97637081	817.9155273	No		\$ 3,511,885.00	Meets TWDB & RFPG criteria for FMEs
151000379	La Feria Irrigation District - Tio Cano Lake Capacity Improvements	Local	La Feria Irrigation District	La Feria Irrigation District	Yes	\$ 92,730.00		247	213	473	0	0	9	7.716524124	985.9359741	No		\$ 772,750.00	Meets TWDB & RFPG criteria for FMEs
151000380	City of Rio Hondo - Rio Hondo Drainage Improvements	Local	City of Rio Hondo	City of Rio Hondo	Yes	\$ 250,000.00		956	744	4036	7	0	3	18.50690651	1038.460083	No			Meets TWDB & RFPG criteria for FMEs
151000381	City of Rio Hondo - Rio Hondo Evacuation Center	Local	City of Rio Hondo	City of Rio Hondo	Yes	\$ 389,426.55		972	752	4073	7	0	3	18.56466293	1048.96875	No		\$ 3,245,221.25	Meets TWDB & RFPG criteria for FMEs
151000382	City of Santa Rosa - Santa Rosa Drainage System Improvements	Local	City of Santa Rosa	City of Santa Rosa	Yes	\$ 389,426.55		644	596	1432	1	0	20	9.912903786	816.4123535	No		\$ 3,245,221.25	Meets TWDB & RFPG criteria for FMEs
151000383	City of Santa Rosa - Santa Rosa - 107 Channel / Crossover	Local	City of Santa Rosa	City of Santa Rosa	Yes	\$ 389,426.55		610	558	1373	1	0	24	11.72033024	975.4938354	No		\$ 3,245,221.25	Meets TWDB & RFPG criteria for FMEs
151000384	City of Santa Rosa - Santa Rosa Connectivity	Local	City of Santa Rosa	City of Santa Rosa	Yes	\$ 45,988.50		626	570	1399	1	0	24	12.7097826	1048.691895	No		\$ 383,237.50	Meets TWDB & RFPG criteria for FMEs
151000385	City of Los Indios - Los Indios Carrasitos Trail Drainage Improvements	Local	City of Los Indios	City of Los Indios	Yes	\$ 80,076.96		157	137	547	0	0	0	3.244291782	1461.366699	No		\$ 667,307.98	Is not supported by one of the Flood Mitigation Goals.
151000386	Cameron County - Reba-Bass Lake Drainage Improvements	Local	Cameron County	Cameron County	Yes	\$ 147,456.90		364	290	810	0	0	0	5.889499187	488.9433594	No		\$ 1,228,807.50	Meets TWDB & RFPG criteria for FMEs
151000387	City of Los Indios - Los Indios Del Rio East Subdivision Improvements	Local	City of Los Indios	City of Los Indios	Yes	\$ 147,456.90		123	106	457	0	0	1	3.26999259	978.116394	No		\$ 1,228,807.50	Meets TWDB & RFPG criteria for FMEs
151000388	City of Rio Hondo - Rio Hondo Dam Repair	Local	City of Rio Hondo	City of Rio Hondo	Yes	\$ 160,750.80		534	456	1487	4	0	3	12.89287853	1169.077759	No		\$ 1,339,590.00	Meets TWDB & RFPG criteria for FMEs
151000389	Willacy County Precinct No.1 - La Sara Drain Ditch improvement	Local	Willacy County Precinct No.1	Willacy County Precinct No.1	Yes	\$ 145,166.28		221	167	243	1	0	0	8.111815453	766.0830688	No		\$ 1,209,719.00	Meets TWDB & RFPG criteria for FMEs

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000390	Willacy County Precinct No.1 - Los Angeles Drain Ditch improvement	Local	Willacy County Precinct No.1	Willacy County Precinct No.1	Yes	\$ 76,503.48		1416	1125	3861	4	0	46	21.45682716	810.9016724	No		\$ 637,529.00	Meets TWDB & RFPG criteria for FMEs
151000391	Willacy County Precinct No.1 - Various Drainage Improvements in Rancho Estates	Local	Willacy County Precinct No.1	Willacy County Precinct No.1	Yes	\$ 110,625.00		49	37	141	0	0	0	2.005165815	803.7251587	No		\$ 921,875.00	Meets TWDB & RFPG criteria for FMEs
151000392	City of San Perita - Box Culvert Extension	Local	City of San Perita	City of San Perita	Yes	\$ 162,886.80		177	141	242	0	0	16	11.01257038	1620.994385	No		\$ 1,357,390.00	Meets TWDB & RFPG criteria for FMEs
151000393	City of San Perita - School Storm Sewer Extension	Local	City of San Perita	City of San Perita	Yes	\$ 28,155.24		256	217	487	1	0	18	12.66719055	1626.122559	No		\$ 234,627.00	Meets TWDB & RFPG criteria for FMEs
151000394	City of San Perita - Community Drainage Improvements	Local	City of San Perita	City of San Perita	Yes	\$ 82,649.76		254	214	480	1	0	19	12.14835548	1514.414551	No		\$ 688,748.00	Meets TWDB & RFPG criteria for FMEs
151000395	Willacy County Drainage District No.1 - HW 186 East Drainage Extension	Local	Willacy County Drainage District	Willacy County Drainage District	Yes	\$ 456,000.00		266	154	1080	0	0	21	12.22408104	1323.403442	No		\$ 3,800,000.00	Meets TWDB & RFPG criteria for FMEs
151000396	Willacy County Drainage District No.1 - Detention to Willacy Main Drain	Local	Willacy County Drainage District	Willacy County Drainage District	Yes	\$ 1,200,000.00		0	0	0	0	0	0	0.61812377	1174.932129	No		\$ 10,000,000.00	Meets TWDB & RFPG criteria for FMEs
151000397	City of Lyford - Lyford detention and ditch improvement	Local	City of Lyford	City of Lyford	Yes	\$ 49,415.16		829	653	2555	5	0	51	24.98008156	1143.030884	No		\$ 411,793.00	Meets TWDB & RFPG criteria for FMEs
151000398	Willacy County Precinct No.3 - Various Drainage Improvements in Bausell & Ellis	Local	Willacy County Precinct No.3	Willacy County Precinct No.3	Yes	\$ 59,874.36		116	88	273	0	0	4	11.43242931	1376.323364	No		\$ 498,953.00	Meets TWDB & RFPG criteria for FMEs
151000399	Willacy County Precinct No.3 - Wilamar Culvert Install and Ditch improvement	Local	Willacy County Precinct No.3	Willacy County Precinct No.3	Yes	\$ 34,235.04		17	6	30	0	0	0	1.382550836	1324.727905	No		\$ 285,292.00	Meets TWDB & RFPG criteria for FMEs
151000400	City of Mission - Rural Alternative	Local	City of Mission	City of Mission	Yes	\$2,000		19516	16703	63925	32	0	0	301.4389954	6278.49707	No		\$ 950,000.00	Does not meet FME regulations.
151000401	Willacy County Drainage District No.1 - 626L "Smith Gate" addition	Local	Willacy County Drainage District	Willacy County Drainage District	Yes	\$ 252,000.00		6	3	9	0	0	0	0.853256524	1722.191162	No		\$ 2,100,000.00	Meets TWDB & RFPG criteria for FMEs
151000402	Willacy County Drainage District No.1 - Los Mesquites Subdivision Connectivity	Local	Willacy County Drainage District	Willacy County Drainage District	Yes	\$ 108,000.00		71	55	163	0	0	0	11.34906769	1381.06604	No		\$ 900,000.00	Meets TWDB & RFPG criteria for FMEs
151000403	Willacy County Drainage District No.1 - Sebastian Detention	Local	Willacy County Drainage District	Willacy County Drainage District	Yes	\$ 876,000.00		518	417	1038	0	0	0	16.83444595	1382.706787	No		\$ 7,300,000.00	Meets TWDB & RFPG criteria for FMEs
151000404	Willacy County Precinct No.4 - Lyford South Various Drain Ditch improvement	Local	Willacy County Precinct No.4	Willacy County Precinct No.4	Yes	\$ 38,952.36		349	253	639	0	0	25	16.75671959	1547.033325	No		\$ 324,603.00	Meets TWDB & RFPG criteria for FMEs
151000405	Willacy County Precinct No.4 - Santa Monica Various Drain Ditch improvement	Local	Willacy County Precinct No.4	Willacy County Precinct No.4	Yes	\$ 111,401.40		57	25	95	0	0	0	4.082490921	1846.801758	No		\$ 928,345.00	Meets TWDB & RFPG criteria for FMEs
151000406	Willacy County Precinct No.4 - Lateral G improvement	Local	Willacy County Precinct No.4	Willacy County Precinct No.4	Yes	\$ 457,005.12		728	599	1499	0	0	5	27.95473289	1170.947388	No		\$ 3,808,376.00	Meets TWDB & RFPG criteria for FMEs
151000407	Willacy County Precinct No.4 - Zapata Various Drain Ditch improvement	Local	Willacy County Precinct No.4	Willacy County Precinct No.4	Yes	\$ 248,223.84		66	46	116	0	0	0	9.862498283	1665.07666	No		\$ 2,068,532.00	Meets TWDB & RFPG criteria for FMEs
151000408	Alton MDP - FM 676 at Stewart Road		Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 9,000.00		132861	108530	449028	229	5	0	2291.43335	158255.2031	No		\$ 75,000.00	Meets TWDB & RFPG criteria for FMEs
151000409	Alton MDP - South Stewart Boulevard Alternative 2A		Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 636,000.00		132861	108530	449028	229	5	0	2291.43335	158255.2031	No		\$ 5,300,000.00	Meets TWDB & RFPG criteria for FMEs
151000410	Southwest Westlaco No.76		Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 311,880.00		132861	108530	449028	229	5	0	2291.43335	158255.2031	No		\$ 2,599,000.00	Meets TWDB & RFPG criteria for FMEs
151000411	Hidalgo County Colonia Stormwater Drainage Planning Study Update		Hidalgo County	Hidalgo County Drainage District No.1	Yes	\$ 119,520.00		167223	135738	569557	282	16	0	3064.538086	338729.7813	No		\$ 996,000.00	Meets TWDB & RFPG criteria for FMEs
151000412	Cameron Colonia Stormwater Drainage Planning Study Update		Cameron County	Cameron County, All Cameron County Drainage Districts	Yes	\$ 119,520.00		96099	80721	310632	198	2	1741	1955.596924	212333.75	No		\$ 996,000.00	Meets TWDB & RFPG criteria for FMEs

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	RFPG No.	RFPG Name	FME Name	Description	Associated Goals	Counties	HUC8s	HUC12s	Watershed Name	Study Type	FME Area (sqmi)
151000439	15	Lower Rio Grande	Pharr-McAllen Lateral Bond Project 9	3 miles of channel improvements, widening lateral within existing right of way	15000005,15000006	Hidalgo	12110208,12110208,12110208,12110208,12110208,12110208,12110208,12110208,13090001,13090001,13090002,13090002,13090002,13090002	121102080100,121102080200,121102080300,121102080400,121102080500,121102080600,130900011705,130900011706,130900020301,130900020305,130900020311,130900020401		Project Planning	564.53
151000440	15	Lower Rio Grande	PSIA Drain Bond Project 16	2 miles of chanlle improvements includes widening the PSIA Drain within existing Right of Way, from Nolana to I2	15000005,15000006	Hidalgo	12110208,12110208,12110208,12110208,12110208,12110208,12110208,12110208,13090001,13090001,13090002,13090002,13090002,13090002	121102080100,121102080200,121102080300,121102080400,121102080500,121102080600,130900011705,130900011706,130900020301,130900020305,130900020311,130900020401		Project Planning	564.53
151000441	15	Lower Rio Grande	City of La Feria - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of La Feria and develop CIP.	15000005,15000006	Cameron	12110208	121102080600		Watershed Planning	2.72
151000442	15	Lower Rio Grande	City of Elsa - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Elsa and develop CIP.	15000005,15000006	Hidalgo	12110208	121102080300		Watershed Planning	3.01
151000443	15	Lower Rio Grande	City of Donna - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Donna and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208	121102080100,121102080300		Watershed Planning	9.25
151000444	15	Lower Rio Grande	City of Combes - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Combes and develop CIP.	15000005,15000006	Cameron	12110208,12110208	121102080300,121102080700		Watershed Planning	3.32
151000445	15	Lower Rio Grande	City of Edinburg - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Edinburg and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208,12110208	121102080200,121102080300,121102080400		Watershed Planning	27.10
151000446	15	Lower Rio Grande	City of Alton - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Alton and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208	121102080200,121102080300		Watershed Planning	7.62
151000447	15	Lower Rio Grande	Cameron County - Holistic HUC Flood Protection Study	Develop flood risk maps for the Cameron County and develop CIP.	15000005,15000006	Cameron	12110208,12110208,12110208,12110208,12110208,12110208,13090001,13090002,13090002,13090002	121102080200,121102080300,121102080700,121102080800,121102080900,121102081000,121102081100,130900020403,130900020501		Watershed Planning	854.16
151000448	15	Lower Rio Grande	City of Weslaco - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Weslaco and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208,12110208	121102080100,121102080300,121102080600		Watershed Planning	30.44
151000449	15	Lower Rio Grande	City of San Benito - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of San Benito and develop CIP.	15000005,15000006	Cameron	12110208,12110208	121102080700,121102080800		Watershed Planning	8.22
151000450	15	Lower Rio Grande	City of Mission - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Mission and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208,12110208	121102080100,121102080200,121102080300		Watershed Planning	21.26
151000451	15	Lower Rio Grande	City of Palmhurst - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Palmhurst and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208	121102080200,121102080300		Watershed Planning	1.70
151000452	15	Lower Rio Grande	City of Palmview - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Palmview and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208,12110208	121102080100,121102080200,121102080300		Watershed Planning	2.72
151000453	15	Lower Rio Grande	City of Primera - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Primera and develop CIP.	15000005,15000006	Cameron	12110208	121102080700		Watershed Planning	1.45
151000454	15	Lower Rio Grande	City of Mercedes - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Mercedes and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208	121102080300,121102080600		Watershed Planning	6.25
151000455	15	Lower Rio Grande	City of Los Fresnos - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Los Fresnos and develop CIP.	15000005,15000006	Cameron	12110208	121102080900		Watershed Planning	5.65
151000456	15	Lower Rio Grande	City of La Villa - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of La Villa and develop CIP.	15000005,15000006	Hidalgo	12110208	121102080300		Watershed Planning	1.97
151000457	15	Lower Rio Grande	City of La Joya - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of La Joya and develop CIP.	15000005,15000006	Hidalgo	12110208,12110208,13090001,13090001,13090002	121102080100,121102080200,130900011705,130900011706,130900020301		Watershed Planning	5.25

TABLE 12: POTENTIAL FLOOD MANAGEMENT EVALUATIONS IDENTIFIED BY RFPG

FME ID	FME Name	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	Potential Funding Sources and Amount	Estimated number of structures at flood risk	Habitable structures at flood risk	Estimated Population at flood risk	Critical facilities at flood risk (No.)	Number of low water crossings at flood risk (No.)	Estimated number of road closures (No.)	Estimated length of roads at flood risk (Miles)	Estimated active farm & ranch land at flood risk (acres)	Existing or Anticipated Models (year)	Existing or Anticipated Maps (year)	Construction Cost	Reason for Recommendation
151000439	Pharr-McAllen Lateral Bond Project 9	Local	Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 679,200.00	Local, HMGP, FIF	132861	108530	449028	229	5	0	2291.43335	158255.2031	No		\$ 5,660,000.00	
151000440	PSJA Drain Bond Project 16	Local	Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 130,800.00	Local, HMGP, FIF	132861	108530	449028	229	5	0	2291.43335	158255.2031	No		\$ 1,090,000.00	
151000441	City of La Feria - Holistic HUC Flood Protection Study	Local	City of La Feria	City of La Feria	Yes	\$1,500,000	Local, HMGP, FIF	1109	937	2323	2	0	20	18.61859322	276.7227173	No		\$ 12,500,000.00	
151000442	City of Elsa - Holistic HUC Flood Protection Study	Local	City of Elsa	City of Elsa	Yes	\$1,500,000	Local, HMGP, FIF	1628	1339	6363	6	0	0	26.8572197	589.2905884	No		\$ 12,500,000.00	0
151000443	City of Donna - Holistic HUC Flood Protection Study	Local	City of Donna	City of Donna	Yes	\$1,500,000	Local, HMGP, FIF	4212	3207	16621	10	0	0	69.45822906	1728.931519	No		\$ 12,500,000.00	
151000444	City of Combes - Holistic HUC Flood Protection Study	Local	City of Combes	City of Combes	Yes	\$1,500,000	Local, HMGP, FIF	710	515	1927	3	0	24	13.07585907	653.7973633	No		\$ 12,500,000.00	
151000445	City of Edinburg - Holistic HUC Flood Protection Study	Local	City of Edinburg	City of Edinburg	Yes	\$1,500,000	Local, HMGP, FIF	12206	10515	66902	26	0	0	181.806076	3507.786377	No		\$ 12,500,000.00	
151000446	City of Alton - Holistic HUC Flood Protection Study	Local	City of Alton	City of Alton	Yes	\$1,500,000	Local, HMGP, FIF	2967	2506	8993	5	0	0	41.13285065	1475.380127	No		\$ 12,500,000.00	
151000447	Cameron County - Holistic HUC Flood Protection Study	Local	Cameron County	Cameron County	Yes	\$1,500,000	Local, HMGP, FIF	81225	68079	264768	171	0	1461	1578.498535	131929.0625	No		\$ 12,500,000.00	
151000448	City of Weslaco - Holistic HUC Flood Protection Study	Local	City of Weslaco	City of Weslaco	Yes	\$1,500,000	Local, HMGP, FIF	12583	8914	46748	24	0	0	199.2969666	6081.771484	No		\$ 12,500,000.00	
151000449	City of San Benito - Holistic HUC Flood Protection Study	Local	City of San Benito	City of San Benito	Yes	\$1,500,000	Local, HMGP, FIF	4667	3574	13564	12	0	30	73.68889618	1055.843018	No		\$ 12,500,000.00	
151000450	City of Mission - Holistic HUC Flood Protection Study	Local	City of Mission	City of Mission	Yes	\$1,500,000	Local, HMGP, FIF	11982	10127	39939	22	0	0	168.9205322	1656.937378	No		\$ 12,500,000.00	
151000451	City of Palmhurst - Holistic HUC Flood Protection Study	Local	City of Palmhurst	City of Palmhurst	Yes	\$1,500,000	Local, HMGP, FIF	185	153	709	0	0	0	2.169906139	76.12266541	No		\$ 12,500,000.00	
151000452	City of Palmview - Holistic HUC Flood Protection Study	Local	City of Palmview	City of Palmview	Yes	\$1,500,000	Local, HMGP, FIF	1409	1038	4132	1	0	0	22.40278053	107.2638855	No		\$ 12,500,000.00	
151000453	City of Primera - Holistic HUC Flood Protection Study	Local	City of Primera	City of Primera	Yes	\$1,500,000	Local, HMGP, FIF	411	395	1295	1	0	20	5.906286716	328.7005615	No		\$ 12,500,000.00	
151000454	City of Mercedes - Holistic HUC Flood Protection Study	Local	City of Mercedes	City of Mercedes	Yes	\$1,500,000	Local, HMGP, FIF	2715	2185	8478	9	0	0	46.53929138	1056.465332	No		\$ 12,500,000.00	
151000455	City of Los Fresnos - Holistic HUC Flood Protection Study	Local	City of Los Fresnos	City of Los Fresnos	Yes	\$1,500,000	Local, HMGP, FIF	1706	1475	6789	8	0	4	26.91339684	1083.639526	No		\$ 12,500,000.00	
151000456	City of La Villa - Holistic HUC Flood Protection Study	Local	City of La Villa	City of La Villa	Yes	\$1,500,000	Local, HMGP, FIF	588	475	2428	5	1	0	10.85900688	756.6224365	No		\$ 12,500,000.00	
151000457	City of La Joya - Holistic HUC Flood Protection Study	Local	City of La Joya	City of La Joya	Yes	\$1,500,000	Local, HMGP, FIF	206	162	499	0	0	0	8.183576584	747.2754517	No		\$ 12,500,000.00	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

FMP ID	RFPG No.	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 (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)
153000001	15	Lower Rio Grande	Alton MDP - West Mile 5 Road and Louisiana Street Alternative 2	Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trosper Road out falling directly into the retention pond, 3 headwalls and approximately 9 inlets. Additional inlets and smaller pipe may be needed to catch low lying areas that pond between the houses or regrading with swales to take runoff to the street.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110208	15000075, 15000146	Infrastructure	3.872	Riverine	City of Alton	City of Alton	yes	\$ 2,152,660.00	\$ -		1.242	0.379	574	0	2686	0	194	0	26.1265	0
153000002	15	Lower Rio Grande	Alton MDP - FM 676 South Glasscock Road Alternative 3	Widening of FM 676 with a proposed storm drain system containing 54" reinforced concrete pipe.		Hidalgo	12110207, 12110209		Infrastructure	0.157	Riverine	City of Alton	City of Alton	yes	\$ 500,000.00	\$ -											
153000003	15	Lower Rio Grande	Alton MDP - North Inspiration Road and West St. Jude Avenue Alternative 2	Alternative 2, is designed to remove structures from the 25-year floodplain and more frequent storms. This alternative consists of upsizing the storm drain under West St. Jude Avenue. The trunk line will consist of 1,900 LF of a single 7' X 5' reinforced concrete box sloped at 0.5% from the area just west of the neighborhood on W. St. Jude Avenue to the West Main Drain Channel, downstream (north) of the existing 10' X 7' box culvert.	15000005, 15000006	Hidalgo	12110207, 12110210	15000075	Infrastructure		Riverine	City of Alton	City of Alton	yes	\$ 2,817,940.00	\$ -		0.120	0.005	102	0	414	0	11	0	2.0383	0
153000004	15	Lower Rio Grande	Alton MDP - North Stewart Boulevard Alternative 2	Alternative 2 is designed to remove structures from the 10-year floodplain and more frequent storms. This alternative consists of the construction of 6,600 LF of a single 8' X 4' reinforced concrete box sloped at 0.02% from the Val Verde Acres Subdivision to Josefa Garcia Park.		Hidalgo	12110207, 12110211	15000075	Infrastructure	0.132	Riverine	City of Alton	City of Alton	yes	\$ 387,288.00	\$ -		54.294	26.814	137	129	324	0			2.9952	
153000005	15	Lower Rio Grande	Alton MDP - South Stewart Boulevard Alternative 2A	740 LF 6' X 4' Reinforced Concrete Box Culvert starting just south of Orange Dr. and Stewart Rd. 70 acres of land acquisition for regional retention. 3.1 Acres of land for channel conveyance	15000005, 15000006	Hidalgo	12110207, 12110212	15000075	Infrastructure	0.232	Riverine	City of Alton	City of Alton	yes	\$ 6,296,400.00	\$ -		0.633	0.004	17	0	56	0	1	0	0.0935	0
153000006	15	Lower Rio Grande	Alton MDP - West Mile 5 and South Glasscock Road Alternative 3	Alternative 3 is simply the buyout and removal of 23 properties on the north side of Buchanan from the 10-year floodplain. Once structures are removed, the vacant land can be excavated and used as a	15000005, 15000006	Hidalgo	12110207, 12110213	15000075	Infrastructure	0.414	Riverine	City of Alton	City of Alton	yes	\$ 1,663,200.00	\$ -		0.840	0.143	98	0	562	0	48	0	5.4586	0
153000007	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - South Texas Boulevard and East 18th Street	Construction of a 5 acre detention pond along Texas Boulevard, with approximately 1,400 LF of channel widening along the back of the neighborhood, the replacement of a 30 - inch culvert crossing the irrigation canal with an 8' x 4' RCB, and replacement of a 24 - inch culvert crossing FM 88 with an 8' x 4' RCB.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110214	15000119	Infrastructure	1.223	Riverine	City of Weslaco	City of Weslaco	yes	\$ 1,585,580.00	\$ -		0.127	0.026	162	0	739	0	45	0	4.9468	0
153000008	15	Lower Rio Grande	Downtown Pharr Mitigation Project	Construct 5500-linear feet of channel improvements on the Pharr South Drain downstream of Sam Houston Street to just north of Inspiration Street. Install 7280-linear feet of reinforced concrete box culvert improvements toward the Pharr	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110217	15000119, 15000146	Infrastructure, Regional Detention	0.507	Riverine	City of Pharr	City of Pharr	yes	\$ 45,241,100.00	\$ -		0.486	0.271	512	0	2882	1	247	0	27.4921	0
153000009	15	Lower Rio Grande	North Pharr Backwater Relief Project	Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-McAllen Lateral Ditch up to North I road. Install culvert improvements, 2-8' X 4' RCB, alongside the ditch running parallel to Fir Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Extend existing culverts at crossings. Renave W. Sioux Road.	15000005, 15000006	Hidalgo	12110207, 12110220	15000146	Infrastructure	0.510	Riverine	City of Pharr	City of Pharr	yes	\$ 1,628,000.00	\$ -		0.688	0.255	3594	0	12236	0	71	0	10.7427	0
153000010	15	Lower Rio Grande	North Pharr Culvert Improvements	Install culvert improvements, 2-10X10 RCB, alongside the ditch running parallel to N. Erika Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Repave W. Sioux Road.	15000005, 15000006	Hidalgo	12110207, 12110221	15000146	Infrastructure	0.570	Riverine	City of Pharr	City of Pharr	yes	\$ 869,000.00	\$ -		0.451	0.064	3594	0	12236	0	42	0	9.5076	0
153000011	15	Lower Rio Grande	North Pharr Mitigation Project	Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-McAllen Lateral Ditch up to North I road. Install culvert improvements, 2 - 8' X 4' RCB, alongside the ditch running parallel to Fir Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Construct an inline Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 35-acres.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110221	15000146	Infrastructure	1.150	Riverine	City of Pharr	City of Pharr	yes	\$ 8,195,000.00	\$ -		0.688	0.255	3594	0	12236	0	119	0	15.7946	0
153000012			Southwest Pharr Drainage Mitigation Project	Construct four regional detention facilities (RDF). RDF 1 has a footprint of 19.75-acres and is a lateral detention facility located between Dicker and Thomas Road west of Highway 281 and near Carmen Anaya Elementary. RDF 2 has a footprint of 7.4-acres	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110222	15000146	Infrastructure, Regional Detention	0.860	Riverine	City of Pharr	City of Pharr	yes	\$ 5,587,280.00	\$ -		1.415820003	1.198770046	2613	956	5834	0	385	0	39.11940002	0

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

Table 13: Potentially Feasible Flood Mitigation Projects Identified by RFPG																								
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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000001	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ -	0	No	0	No	0	0	Yes	BCR is less than 1	
153000002													10	100			No				1.99	No		
153000003	0	0	0	0	0	0	0	0	0	0	0	0	10	25	\$ -	0	No		No		1.99	Yes	BCR is less than 3	
153000004													10	10			No					No	Project unders construction	
153000005	0	0	0	0	0	0	0	0	0	0	0	0	10	25	\$ -	0	No		No		0.06	No	Not supported by Sponsor	
153000006	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ -	0	No	0	No	0		Yes	BCR is less than 6	
153000007	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0	0.08	Yes	Solutions are not for 1% ACE LOS	
153000008	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ -	0	No	0	No	0		No	Added to Pharr Downtown Alternative	
153000009	0	42	0	0	519	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0	3.21	No	It is part of North Pharr Mitigation Project	
153000010	0	17	0	0	694	0	0	0	0	0	0	0	10	25	\$ -	0	No	0	No	0	4.24	No	It is part of North Pharr Mitigation Project	
153000011	0	834	0	0	4746	0	0	0	0	0	0	0	10	50	\$ 9,826.14	0	No	0	No	0	6.49	Yes	It complies with TWDB criteria for FMPs	
153000012	956	187	0	0	780	0	0	241	179	117	55	0	10	50	\$ 29,878.50	0	No	0	No	0	1.31	Yes	It complies with TWDB criteria for FMPs	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

FMP ID	RFPG No.	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 (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
153000013	15	Lower Rio Grande	Pharr - San Juan Regional Detention Facility	Construct an inline Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 35 acres, 300 acre-feet of storage volume, have a maximum depth of approximately 14 feet, and require some property acquisition.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110221	15000146	Regional Detention	1.150	Riverine	City of Pharr	City of Pharr	yes	\$ 5,148,000.00	\$ -		0.166	0.443	3594	0	12236	0	100	0	7.3717	0	
153000014	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street	Installation of 3,220 LF of new storm drain system consisting of two – 8' x 4' RCBs along Mile 3 ½.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110228	15000119, 15000146	Infrastructure		Riverine	City of Weslaco	City of Weslaco	yes	\$ 5,462,600.00	\$ -		1.400	0.754	155	0	2951	0	133	0	25.1212	0	
153000015	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Los Torritos Street and North Kansas Avenue	Construction of a 30 acre pond at Mayor Pablo Peña Park, replacement of the existing 48-inch and 60-inch storm drain system with 2 – 8' x 6' RCBs along Plaza Street and Agostadero Street, approximately 1,500 LF of channel widening along the length of the pond, and the addition of a new storm drain system consisting of three – 8' x 6' RCBs along Los Torritos Street to near	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110229	15000119, 15000146	Infrastructure	1.207	Riverine	City of Weslaco	City of Weslaco	yes	\$ 8,338,572.00	\$ -		77.783	0	0	0	0	1	0	0	0	0	0
153000016	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Mile 10 N and Mile 5 ½ W	Construction of an 8 acre detention pond, with approximately 4,000 LF of channel widening along the back of the neighborhoods and between the Justice Raul A. Gonzalez Elementary School and Joe Calvillo Jr Career & Technology Education Complex; replacement of existing undersized channel culvert with two – 8' x 5' reinforced concrete boxes (RCBs), and adding two – 8' x 5' RCBs to connect the existing drainage ditches to the drain channel system on the east.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110230	15000146	Infrastructure	0.164	Riverine	City of Weslaco	City of Weslaco	yes	\$ 4,441,010.00	\$ -		0.551	0.147	72	0	686	0	48	0	4.3354	0	
153000017	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	Replacement of 48 – inch culverts at two roadway crossings with 6' x 4' RCBs.	15000005, 15000006	Hidalgo	12110207, 12110231	15000119, 15000146	Infrastructure	2.446	Riverine	City of Weslaco	City of Weslaco	yes	\$ 93,808.00	\$ -		0.060	0.009	183	0	310	0	73	0	4.5475	0	
153000018	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Texas Boulevard to Airport Drive, South of Business 83	Construction of two detention ponds, 10 acres near Texas Boulevard and 18th Street and 3 acres south of Dawson Street, a berm, approximately 5,400 LF of channel widening and extension, and installation of an 8' x 4' RCB storm drain system near Border Ave. to Bridge Ave.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110232	15000119, 15000146	Infrastructure	2.253	Riverine	City of Weslaco	City of Weslaco	yes	\$ 43,984,500.00	\$ -		3.055	1.280	667	0	2399	0	344	0	32.5159	0	
153000019	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - West Weslaco	The project is located just west of Border Avenue, between US 83 and Zelma Street. Construction of three detention ponds, 18 acres east of Vaughn Road and Midway Road, 26 acres near West 6th Street and Milano Road and 60 acres at Harlon Block Sports Complex, approximately 17,000 LF of channel widening connecting the ponds, and installation of approximately 4500 LF of large (8' x 4', 8' x 5', 8' x 6') RCB storm drain system to improve conveyance along the channels to the ponds.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110233	15000119, 15000146	Infrastructure	1.977	Riverine	City of Weslaco	City of Weslaco	yes	\$ 37,305,800.00	\$ -		1.937	0.481	638	0	3620	1	244	0	27.7766	0	
153000020	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	Construction of two detention ponds, 11 acres near Clecker-Heald Elementary School and 8 acres behind the commercial properties north of Interstate 2, approximately 4,500 LF of channel widening connecting the two ponds, addition of a new 42-inch reinforced concrete pipe (RCP) culvert east of Border Avenue, and installation of approximately 5,600 LF of an 8' x 4' RCB storm drain system along West Paisano Lane and East Ballard Street.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110234	15000146	Infrastructure	0.792	Riverine	City of Weslaco	City of Weslaco	yes	\$ 11,099,100.00	\$ -		1.554	1.064	423	0	2931	0	178	0	30.1522	0	
153000021	15	Lower Rio Grande	Precinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.	Approximately 1 mile of proposed channel improvements. Proposed culverts. Proposed Detention Ponds with pond north of Mile 8.5 Rd. to collect runoff from the west and has an approximate footprint of 12 acres and storage capacity of 60 acre-ft and will outfall south towards the pond south of Mile 8.5 Rd.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110279	15000075	Infrastructure	2.569	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 19,899,000.00	\$ -		0.465	0.126	124	0	499	0	90	0	5.7133	0	
153000022	15	Lower Rio Grande	Precinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.	Regional Detention Facilities with a pond footprint of 25 acres along the Existing HCDD1 West Main Drain. Storm Drain and Local Drainage Improvements. Channel maintenance.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110280	15000075, 15000146	Infrastructure	16.083	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 27,175,500.00	\$ -		1.315	0.182	311	0	1638	0	77	0	18.9040	0	
153000023	15	Lower Rio Grande	Precinct 4 MDP - Risk Area C at FM 2812 & FM 493	Channel improvements (widening & regrading) to Existing J-01 Drain with approximately 1.5 miles of proposed improvements. Channel Improvements (Channel Maintenance & Flowline Regrading) to Existing DA-1 Ext. Drain with approximately 0.4 miles of proposed improvements. Proposed detention pond will have an approximate footprint of 9 acres and	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110281	15000096, 15000146	Infrastructure	1.401	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 7,887,000.00	\$ -		5.959	2.104	273	0	1167	0	167	0	44.4282	0	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000013	0	586	0	0	4501	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	8.72	No	It is part of North Pharr Mitigation Project	
153000014	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ - 0	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000015													10	100		0	No	0		0		No		
153000016	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ - 0	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000017	0	0	0	0	0	0	0	0	0	0	0	0	25	100	\$ - 0	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000018	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ - 0	0	No	0	No	0		No	Solutions are not for 1% ACE LOS	
153000019	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ - 0	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000020	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ - 0	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000021	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ - 0	0	No	0	No	0	1.7	Yes	Need more information to determine no negative effects and BCR LOS	
153000022	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ - 0	0	No	0	No	0	1.3	Yes	Need more information to determine no negative effects and BCR LOS	
153000023	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ - 0	0	No	0	No	0	0.4	Yes	Need more information to determine no negative effects and BCR LOS	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

FMP ID	RFPG No.	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 (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
153000024	15	Lower Rio Grande	Precinct 4 MDP - Risk Area D at S. McColl & Canton Rd.	Channel Improvements (Widening & Regrading) to Existing McAllen Lateral & North Main Drain with approximately 2.25 miles of proposed improvements from S McColl St. to State Highway 107. Crossings at W Canton Rd., W Freddy Gonzalez Dr., and W Sprague St. were all evaluated up to the 25-year design storm criteria for upsizing evaluation.	15000005, 15000006	Hidalgo	12110207, 12110282	15000146	Infrastructure	0.090	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 6,358,000.00	\$ -		1.121	0.148	735	0	6686	1	131	0	46.6620	0	
153000025	15	Lower Rio Grande	Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	Channel Improvements with approximately 0.3 miles of proposed improvements. Proposed detention pond north of Tex-Mex Rd. and east of S 87th St. has an approximate footprint of 4.25 acres and capacity of 20 acre-ft. Grate Inlets and Proposed Storm Drain 5'x5' grate inlets spaced along every 500' of storm drain with a 4'x2' RCB along S 85th St.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110283	15000146	Infrastructure	0.557	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 4,983,000.00	\$ -		0.081	0.008	58	0	280	0	16	0	4.5910	0	
153000026	15	Lower Rio Grande	Precinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.	Channel Improvements with approximately 0.6 miles of proposed improvements. Grate Inlets and Proposed Storm Drain with grate inlets in sag spaced along every 500' tying into a 42" RCP along Cesar Chavez Road starting at just south of Texas Rd to the Curry Drain. Culvert Improvements with connections between the proposed open channels and existing HCDD1 Edinburg Stub will require the installation of 4'x3' RCBs.	15000005, 15000006	Hidalgo	12110207, 12110284	15000146	Infrastructure	0.791	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 7,920,000.00	\$ -		0.119	0.156	33	0	155	0	48	0	3.2561	0	
153000027	15	Lower Rio Grande	Precinct 4 MDP - Risk Area G at Hoehn Rd. & Mile 11 Rd.	Channel Improvements with approximately 0.75 miles of proposed improvements. Proposed Pond north of County Road 3424 and west of County Road 3421 has an approximate footprint of 5 acres and capacity of 35 acre-ft. Grate Inlets and Proposed Storm Drain 5'x5' grate inlets will be located at the southwest corner of Eubanks and County Road 3424 with a connection to a 42" DIA RCP storm drain. Proposed culverts.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110285	15000075	Infrastructure	0.734	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 6,061,000.00	\$ -		0.471	0.081	141	0	592	0	36	0	10.1584	0	
153000028	15	Lower Rio Grande	Precinct 4 MDP - Risk Area I at Sharp Rd. & E Monte Cristo Rd	Inlets and proposed storm drain with Approximately 1,100' of 4'x4' RCB storm drain with curb inlets to be installed along Hendrix Dr. and Gaston Cr. with approximately 1,200' of 6'x4' RCB storm with grate and sag inlets along Uresti Rd. with connection to the HCDD1 J-02 Drain. Proposed installation of grate and sag inlets along Mile 19 Rd. (Phase Two) and proposed installation of grate and sag inlets along Sharp Rd. (Phase Two). Proposed Culverts.	15000005, 15000006	Hidalgo	12110207, 12110286	15000096	Infrastructure	0.147	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 5,995,000.00	\$ -		0.412	0.178	67	0	354	0	64	0	15.4443	0	
153000029	15	Lower Rio Grande	Precinct 4 MDP - Risk Area J at SH107 & FM 907	Channel Improvements (Widening & Regrading) to Existing HCDD1 "Y" drain with approximately 0.75 miles of proposed channel improvements beginning at Fresno Dr. and ending at E Curry Rd. Proposed Drainage Grate Inlets approximately 3,800' of storm drain to provide local drainage improvements north and west of existing HCDD1 "Y" Drain in two separate	15000005, 15000006	Hidalgo	12110207, 12110287	15000146	Infrastructure	0.046	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 3,608,000.00	\$ -		0.078	0.030	19	0	144	0	26	0	3.7775	0	
153000030	15	Lower Rio Grande	Risk Area 11 Rancho Escondido	Project includes constructing 10'x2' U-shaped channel from Flores Drive to just south of Microtel Inn Suites, replacing existing culvert under Maza Drive with 1-8'x4' RCB, and installing curb inlet at cul-de-sac on Nancy Drive.	15000005, 15000006	Maverick	13080001, 13080002	15000150	Infrastructure	0.041	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 911,900.00	\$ -		0.009	0.000	16	0	100	0	8	0	0.2402	0	
153000031	15	Lower Rio Grande	Risk Area 12 Fox Borough Drive	Project includes bypassing flow from inlet at PointLoma Drive and North Point Drive to the detention pond with 1 - 8'x4' RCB and installing additional curb inlets on N. Point Drive and Silver Oak Circle.	15000005, 15000006, 15000007, 15000008	Maverick	13080001, 13080002	15000150	Infrastructure	0.135	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 1,185,800.00	\$ -		0.011	0.000	24	0	95	0	11	0	0.3912	0	
153000032	15	Lower Rio Grande	Risk Area 13 Celle De Los Santos neighborhood. Additional culvert under irrigation canal.	Project includes upgrading existing culvert crossing irrigation canal from 2-6'x4' RCB to 4-6'x4' RCB.	15000005, 15000006	Maverick	13080001, 13080002	15000150	Infrastructure	1.238	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 181,500.00	\$ -		0.379	0.024	8	0	50	0	9	0	0.2577	0	
153000033	15	Lower Rio Grande	Risk Area 15 Trib 3 Detention at Main Street	Project includes constructing 10 acre detention pond (29 ac-ft volume) along East Channel north of Highway 277 and installing flap-gates at flume outfalls on Omar Drive and Jana Drive, to prevent more frequent stormwater from backing up into the neighborhood on the west side of the channel.	15000005, 15000006, 15000007, 15000008	Maverick	13080001, 13080002	15000150	Infrastructure	1.067	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 828,300.00	\$ -		0.598	0.056	191	0	1331	1	86	0	5.6693	0	
153000034	15	Lower Rio Grande	Risk Area 2 Treasure Hills	Project includes constructing a 4' deep trapezoidal concrete channel with 8' bottom width and 2:1 side slopes, from detention pond outfall to existing culverts.	15000005, 15000006	Maverick	13080001, 13080002	15000150	Infrastructure	0.586	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 597,300.00	\$ -		0.654	0.077	26	0	268	0	71	0	5.1106	0	
153000035	15	Lower Rio Grande	Risk Area 3 Arrow Point Boulevard	Project includes constructing small retaining wall at downstream of flume outfall to force flow towards Stone Way and constructing a 2' wide and 6" deep concrete flume from existing flume outfall to Stone Way.	15000005, 15000006	Maverick	13080001, 13080002	15000150	Infrastructure	0.055	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 52,800.00	\$ -		0.105	0.012	0	0	0	0	17	0	2.4048	0	
153000036	15	Lower Rio Grande	Risk Area 4 Bibb & Misty Willow storm drain	Project includes installing 6'x4' RCB along Misty Willow Drive from N Bibb Avenue to existing channel between N Bibb Avenue and Timber Valley and installing curb inlets on N Bibb Avenue and Misty Willow Drive.	15000005, 15000006	Maverick	13080001, 13080002	15000150	Infrastructure	0.098	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 316,800.00	\$ -		0.012	0.001	17	0	79	0	12	0	0.5575	0	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000024	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ - 0	0	No	0	No	0	1.4	Yes	Need more information to determine no negative effects and BCR LOS	
153000025	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	1.3	Yes	Need more information to determine no negative effects and BCR LOS	
153000026	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	2.45	Yes	Need more information to determine no negative effects and BCR LOS	
153000027	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	0.5	Yes	Need more information to determine no negative effects and BCR LOS	
153000028	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	0.63	Yes	Need more information to determine no negative effects and BCR LOS	
153000029	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	1.07	Yes	Need more information to determine no negative effects and BCR LOS	
153000030	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	0.31	No	Need more information to determine no negative effects and BCR LOS	
153000031	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	0	Yes	Need more information to determine no negative effects and BCR LOS	
153000032	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	0.24	No	Project is under construction	
153000033	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	1.62	Yes	Need more information to determine no negative effects and BCR LOS	
153000034	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	0	No	0	No	0	0.41	Yes	Need more information to determine no negative effects and BCR LOS	
153000035	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ - 0	0	No	0	No	0	0.3	No	Project is under construction	
153000036	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ - 0	0	No	0	No	0	0.63	No	Project is under construction	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

FMP ID	RFPG No.	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 (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
153000037	15	Lower Rio Grande	Risk Area 5 Debona Drive	Project includes constructing a 5' deep trapezoidal channel approximately 30 feet wide with 3:1 side slopes and a 5' concrete pilot channel, replacing Juarez Street culvert with 8'x4' box culvert, and realigning existing channel to provide additional storage.	15000005, 15000006	Maverick	13080001, 13080002	15000150	Infrastructure	0.096	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 359,700.00	\$ -		0.042	0.010	3	0	118	0	31	0	1.7591	0	
153000038	15	Lower Rio Grande	Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	Project includes bypassing flow from Golfcrest Drive to the detention pond with 1-6'x4', RCB Modifying outfall structure from 2-5'x3' RCB to 1-5'x3' RCB, and Lowering existing baseball field by 3 ft to provide an additional 30 ac-ft of storage.	15000005, 15000006, 15000007, 15000008	Maverick	13080001, 13080002	15000150	Infrastructure	0.601	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 957,000.00	\$ -		0.039	0.008	5	0	18	0	17	0	1.0997	0	
153000039	15	Lower Rio Grande	Risk Area 8 Tributary 2 channel widening near Alexander Drive	Project includes constructing a 3' deep trapezoidal channel with a 76' bottom width with 4:1 side slopes from Graves Elementary School to the confluence of existing channels and constructing a 4' deep trapezoidal channel with a 111' bottom width with 4:1 side slopes from confluence of existing channels to access road.	15000005, 15000006, 15000007, 15000008	Maverick	13080001, 13080002	15000150	Infrastructure	0.601	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 80,300.00	\$ -		0.569	0.036	36	0	289	0	61	0	3.6760	0	
153000040	15	Lower Rio Grande	NM-102	Project includes expansion of HCDD1 Lull Drain and addition of laterals NM-102-01, NM-102-02, and NM-102-03. Should happen 2023 development ongoing and city will participate to make it happen.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110208030, 12110208040	15000075, 15000096, 15000146	Infrastructure	3.099	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	yes	\$ 4,756,150.00	\$161,709		2.31	0	151	151	300	0	0	114	0.98	1.62	
153000041	15	Lower Rio Grande	NM-103	Replace culverts on Access Road and Monte Cristo with 10'x6' RCB and relace 36" RCP on Rogers, Utility - Canal and Russell with 8' x 6' RCB for Rogers. 6' x 6' RCB for Utility - Canal and 48" RCP for Russell. Get included in plan	15000005, 15000006	Hidalgo	12110208030	15000075, 15000146	Infrastructure	1.476	Riverine	City of Edinburg	City of Edinburg	yes	\$ 2,047,160.00	\$69,603		1.15	0	279	278	500	0	0	88	2.85	2.55	
153000042	15	Lower Rio Grande	NM-105	Project includes a lateral ditch with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth. Also, replacing existing crossings at McCol (30-in RCP), Monument Mack (30-in RCP), and Hoehn (18-in RCP) into 5'x5' RCB, 6'x4' RCB and 48-in RCP respectively. Get included in plan	15000005, 15000006	Hidalgo	12110208030	15000075, 15000146	Infrastructure	0.767	Riverine	City of Edinburg	City of Edinburg	yes	\$ 912,279.00	\$31,017		0.36	0	137	137	400	0	0	21	0.50	2.04	
153000043	15	Lower Rio Grande	NM-106	Project includes extending west with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth as well as replacing existing crossing at McCol (36-in RCP) and Access (36-in RCP) into 2-36-in RCP each. Plan	15000005, 15000006	Hidalgo	12110208030	15000075, 15000146	Infrastructure	0.379	Riverine	City of Edinburg	City of Edinburg	yes	\$ 693,610.00	\$23,583		0.26	0	8	8	10	0	0	59	1.00	0.70	
153000044	15	Lower Rio Grande	NM-108	Replace 10' x 6' RCB with a 48" RCP along Jackson Road crossing to increase conveyance of the ditch system. Plan	15000005, 15000006	Hidalgo	12110208030	15000146	Infrastructure, Detention	0.359	Riverine	City of Edinburg	City of Edinburg	yes	\$ 4,689,680.00	\$159,449		0.17	0	0	0	0	0	0	19	0.00	0.02	
153000045	15	Lower Rio Grande	NM-109	Enlarge 36" RCP along culvert to 48" RCP to increase the conveyance capacity of the ditch system. Include in the plan	15000005, 15000006	Hidalgo	12110208030, 12110208040	15000146	Infrastructure, Detention	0.595	Riverine	City of Edinburg	City of Edinburg	yes	\$ 1,247,580.00	\$42,418		0.52	0	2	2	10	0	0	68	0.19	0.00	
153000046	15	Lower Rio Grande	NM-110	Project includes an extension of 8'x4' RCB upstream to increase conveyance across McCol Road. Also, replacing existing crossings at Utility (30-in RCP), Mon Mack (36-in RCP), and Saker (36-in RCP) into 7'x4' RCB, 7'x4' RCB and 2-36-in RCP, respectively. Plan	15000005, 15000006	Hidalgo	12110208030	15000146	Infrastructure	0.301	Riverine	City of Edinburg	City of Edinburg	yes	\$ 906,348.00	\$30,816		0.25	0	7	7	100	0	0	22	0.25	0.00	
153000047	15	Lower Rio Grande	NM-113	Replace 5' x 4' RCB along Jackson Road with 2 - 5' X 4' RCB and replace the current 5' X 4' RCB along the Railroad with a new 5' X 4' RCB. On Sugar Road increase the size of the culvert 18" RCB to a 42" RCB. Nothing there include in plan - irrigation district is doing concrete lining and city has not been involved	15000005, 15000006	Hidalgo	12110208030	15000146	Infrastructure	0.248	Riverine	City of Edinburg	City of Edinburg	yes	\$ 643,285.00	\$21,872		0.16	0	4	4	10	0	0	27	0.39	0.00	
153000048	15	Lower Rio Grande	NM-115	Project includes replacing existing crossing at Wisconsin (7'x8' RCB), Alberta (8'x9' RCB), Utility (8'x7' RCB), Dove (7'x6' RCB), Violet (6'x5' RCB), Utility (6'x4' RCB), and Utility (6'x4') into 2-7'x8' RCB, 2-8'x9' RCB, 2-8'x7' RCB, 2-7'x6' RCB, 10'x8' RCB, 2-6'x4' RCB and 2-6'x4' RCB, respectively. Include in plan	15000005, 15000006	Hidalgo	12110208030	15000146	Infrastructure	1.633	Riverine	City of Edinburg	City of Edinburg	yes	\$ 1,937,485.00	\$65,874		0.84	0	22	10	100	0	0	244	2.50	0.12	
153000049	15	Lower Rio Grande	NM-116	Project includes replacing existing crossing at Wisconsin (2-36-in RCP) into 6'x5' RCB. Plan	15000005, 15000006	Hidalgo	12110208030, 12110208040	15000146	Infrastructure	0.206	Riverine	City of Edinburg	City of Edinburg	yes	\$ 567,270.00	\$19,287		0.11	0	4	3	50	0	0	25	0.00	0.00	
153000050	15	Lower Rio Grande	Raymondville Drain BP 2	Consists of drainage ditch connection to existing channels. Existing channels improvements of approximately 63 miles of drainage improvements include in-line and off-line detention, reservoirs and control structures that stretch from Edinburg Lake to the Laguna Madre.		Hidalgo						Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$15,000,000	\$510,000												
153000051	15	Lower Rio Grande	North Main Drain III and I BP 4	For Bond Project 4, North Main Drain III and I, approximately 9 miles of channel improvements are implemented including widening the North Main Drain within the existing right of way, from Monte Cristo Road to J-09 Drain.	15000005, 15000006	Hidalgo	12110208010	15000096, 15000146	Infrastructure	7.917	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 33,040,000.00	\$1,123,360		3.33	0	952	952	2856	0	0	115	0.00	5.93	
153000052	15	Lower Rio Grande	North Main Drain I BP 5	5.7 miles of channel improvements includes widening the North Main Drain within existing right of way		Hidalgo						Hidalgo County Drainage District #1	Hidalgo County Drainage District #1		\$15,850,000	\$538,900												

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000037	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No		0	No	0	0.49	No	Project is under construction
153000038	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No		0	No	0		Yes	Need more information to determine no negative effects and BCR LOS
153000039	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No		0	No	0		Yes	Need more information to determine no negative effects and BCR LOS
153000040	6	145	0	145	290	0	0	0	0.72	67.00	0	0	10	100	\$ 32,801.03		No		0.860	No	26000	1.6	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000041	0	279	0	278	500	0	0	0	2.85	0.00	0	0	25	100	\$ 7,337.49		No		0.846	No	7900	6.6	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000042	34	103	0	103	350	0	0	0	0.20	64.90	0	0	10	100	\$ 130,325.57		No		0.871	No	7777	4.7	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000043	0	8	0	8	10	0	0	0	1.00	17.00	0	0	10	25	\$ 86,701.25		No		0.871	No	500	0.4	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000044	0	0	0	0	0	0	0	0	0.00	0.00	0	0	25	100	\$ -		No		0.879	No	0	0.1	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000045	0	2	0	2	10	0	0	0	0.00	0.00	0	0	10	100	\$ 623,790.00		No		0.686	No	11158	0.0	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000046	0	7	0	7	100	0	0	0	0.25	43.35	0	0	25	100	\$ 129,478.29		No		0.446	No	3417	0.7	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000047	0	4	0	4	10	0	0	0	0.39	4.70	0	0	10	50	\$ 160,821.25		No		0.544	No	14304	0.7	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000048	0	22	0	10	100	0	0	0	2.50	60.00	0	0	10	50	\$ 4,454.91		No		0.502	No	31431	0.9	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000049	0	4	0	3	50	0	0	0	0.00	0.00	0	0	10	50	\$ 7,173.75		No		0.554	No	0	0.3	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000050											0	0					No						No	
153000051	0	561	0	561	1683	0	0	0	0.00	0.00	0	0	10	50	\$ 58,894.83		No		0.854	No	0	0.2	Yes	Meets TWDB Requirements
153000052											0	0					No						Yes	Meets TWDB Requirements

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000053											0	0									No	No models received for this project		
153000054	0	134	0	134	402	0	0	0	0.00	0.00	0	0	10	50	\$ 40,746.27	No		0.911	No	0	0.7	Yes	Meets TWDB Requirements	
153000055											0	0				No						Yes	Meets TWDB Requirements	
153000056											0	0				No						Yes	Meets TWDB Requirements	
153000057	0	1	0	0	4	0	0	0	0.27	4.40	0	0	10	50	\$ 4,747,963.00	No		0.770	No	33804	0.6	Yes	Meets TWDB Requirements	
153000058	0	1633	0	1609	6025	0	0	0	0.00	0.00	0	0	10	50	\$ 12,927.13	No		0.841	No	0	1.9	Yes	Meets TWDB Requirements	
153000059	0	8	0	8	20	0	0	0	0.00	0.00	0	0	10	50	\$ 935,000.00	No		0.874	No	0	0.5	Yes	Meets TWDB Requirements	
153000060	0	1633	0	1609	6025	0	0	0	0.00	0.00	0	0	10	50	\$ 10,704.23	No		0.841	No	0	1.9	Yes	Meets TWDB Requirements	
153000061											0	0				No						Yes	Meets TWDB Requirements	
153000062	0	0	0	0	0	0	0	0	1.33	3.00	0	0	10	50	\$ -	No		0.871	No	11073	1.2	Yes	Meets TWDB Requirements	
153000063	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 22,638.50	No		0.784	No	0	0.2	Yes	Meets TWDB Requirements	
153000064	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 10,420.62	No		0.872	No	0	0.2	Yes	Meets TWDB Requirements	
153000065	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 2,967.48	No		0.784	No	0	0.2	Yes	Meets TWDB Requirements	
153000066	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 17,047.73	No		0.872	No	0	0.2	Yes	Meets TWDB Requirements	
153000067	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	No		0.872	No	0	0.2	Yes	Meets TWDB Requirements	
153000068	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 3,464.74	No		0.922	No	0	0.2	Yes	Meets TWDB Requirements	
153000069	0	418	0	418	79	0	0	0	0.00	0.00	0	0	10	50	\$ 2,806.12	No		0.784	No	0	0.2	Yes	Meets TWDB Requirements	
153000070	0	0	0	0	0	0	0	0	0.00	58.00	0	0	10	100	\$ -	No		0.830	No	1515	0.3	Yes	Meets TWDB Requirements	
153000071											0	0				No						No		
153000072											0	0				No						Yes	Meets TWDB Requirements	
153000073	0	30	0	27	90	0	0	0	0.00	0.00	0	0	10	100	\$ 660,400.00	No		0.847	Yes	0	0.1	Yes	Meets TWDB Requirements	
153000074	0	8	0	8	24	0	0	0	0.00	0.00	0	0	10	100	\$ 523,680.00	No		0.937	Yes	0	0.0	Yes	Meets TWDB Requirements	
153000075											0	0				No						No		
153000076	0	2	0	2	6	0	0	0	0.00	0.00	0	0	10	100	\$ 4,300,000.00	No		0.874	Yes	0	0.0	Yes	Meets TWDB Requirements	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation	
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closures	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)													
153000077	0	5	0	5	15	0	0	0	0.00	0.00	0	0	10	100	\$ 2,618,400.00		No		0.874	Yes	0	0.1	Yes	Meets TWDB Requirements	
153000078	0	18	0	9	54	0	0	0	0.00	0.00	0	0	10	100	\$ 1,066,722.22		No		0.903	No	0	0.2	Yes	Meets TWDB Requirements	
153000079	0	20	0	7	60	0	0	0	0.00	0.00	0	0	10	100	\$ 689,500.00		No		0.872	No	0	0.0	Yes	Meets TWDB Requirements	
153000080											0	0					No							No	
153000081	0	5	0	4	15	0	0	0	0.00	0.00	0	0	10	50	\$ 320,000.00		No		0.944	Yes	0	1.2	Yes	Meets TWDB Requirements	
153000082	54	0	0	0	0	0	0	0	2.00	76.00	0	0	10	50	\$ -		No		0.868	No	33804	0.1	Yes	Meets TWDB Requirements	
153000083	57	0	0	0	0	0	0	0	0.00	0.00	0	0	10	100	\$ -		No		0.823	No	18499	0.7	Yes	Meets TWDB Requirements	
153000084	0	0	0	0	0	0	0	0	0.10	13.00	0	0	10	100	\$ -		No		0.830	No	23864	4.4	Yes	Meets TWDB Requirements	
153000085	176	131	0	116	450	0	0	0	0.00	0.00	0	0	10	10	\$ 358,600.00	0%	No	N/A	0.910	No	0	0.3	Yes	Meets TWDB Requirements	
153000086	417	83	0	83	289	0	41	41	1.00	0.00	0	0	10	10	\$ 401,400.00	0%	No	N/A	0.893	No	0	0.1	Yes	Meets TWDB Requirements	
153000087	834	281	0	237	1036	0	1	1	4.00	49.63	0	0	25	100	\$ 353,300.00	0%	No	N/A	0.870	No	0	0.2	Yes	Meets TWDB Requirements	
153000088	149	130	0	128	655	0	0	0	0.00	0.00	0	0	10	10	\$ 12,070.00	0%	No	N/A	0.935	No	0	3.5	Yes	Meets TWDB Requirements	
153000089	469	71	0	65	220	0	0	0	0.00	0.00	0	0	5	50	\$ 480,000.00	0%	No	Detention	0.933	No	0	0.7	Yes	Meets TWDB Requirements	
153000090	214	399	0	390	1038	0	0	0	1.00	5.16	0	0	5	50	\$ 114,000.00	0%	No	N/A	0.729	No	0	0.2	Yes	Meets TWDB Requirements	
153000091	100	92	0	92	240	0	0	0	0.00	0.06	0	0	5	50	\$ 48,000.00	0%	No	Detention	0.833	No	0	1.1	Yes	Meets TWDB Requirements	
153000092	152	191	0	187	883	0	0	0	0.00	2.12	0	0	5	50	\$ 40,300.00	0%	No	N/A	0.663	No	0	0.6	Yes	Meets TWDB Requirements	
153000093	465	84	0	59	753	1	0	0	0.00	0.00	0	0	5	50	\$ 386,500.00	0%	No	N/A	0.896	No	0	0.2	Yes	Meets TWDB Requirements	
153000094	53	60	0	40	149	0	0	0	0.00	15.00	0	0	10	50	\$ 488,800.00	0%	No	Detention	0.827	No	0	0.1	Yes	Meets TWDB Requirements	
153000095	22	17	0	6	122	0	2	2	0.00	0.37	0	0	10	25	\$ 997,900.00	0%	No	Detention	0.827	No	0	0.1	Yes	Meets TWDB Requirements	
153000096	144	48	0	35	627	1	0	0	0.00	0.24	0	0	10	10	\$ 180,900.00	0%	No	N/A	0.950	No	0	0.6	Yes	Meets TWDB Requirements	
153000097											0	0					0%	No	N/A					No	
153000098	342	1122	0	1058	3366	0	0	0	0.00	0.00	0	0	10	50	\$ 12,032.00	0%	No	N/A	0.907	Yes	0	1.3	Yes	Meets TWDB Requirements	
153000099	358	949	0	893	2847	0	0	0	0.00	0.00	0	0	10	50	\$ 12,112.00	0%	No	N/A	0.907	Yes	0	1.1	Yes	Meets TWDB Requirements	
153000100	0	302	0	0	906	0	0	0	0.00	0.00	0	0	10	25	\$ 47,542.55	0%	No	N/A	0.827	No	0	0.5	Yes	Meets TWDB Requirements	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

FMP ID	RFPG No.	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 (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																		Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
153000101	15	Lower Rio Grande	Olmito Townsite Flood Mitigation Project	The proposed solution for the Olmito Townsite includes the construction of 1955 linear feet of local drainage improvements, removal of the existing 42" storm drain from Broussard Street, and construction of an additional 60" reinforced concrete pipe stor	15000005, 15000006	Cameron		15000097, 15000146	Infrastructure	5.001	Riverine	Cameron County	Cameron County	Yes	\$ 4,710,993.79	\$160,174		2.88	0	97	97	291	0	0	89	0.00	3.93	
153000102	15	Lower Rio Grande	Alton MDP - North Stewart Boulevard Alternative 1	Construction of and additional 6,600 LF of a single 8'Ø X 4'Ø reinforced concrete box sloped at 0.02% from the Val Verde Acres Subdivision to Josefa Garcia Park is required in addition to the improvements currently underway from the CWSRF loan.	15000005, 15000006	Hidalgo	12110208020	15000075, 15000146	Infrastructure	0.156	Riverine	City of Alton	City of Alton	Yes	\$ 23,275,000.00	\$791,350		0.10	0	181	181	543	0	0	87	0.00	0.01	
153000103	15	Lower Rio Grande	Drain C-Right Culvert Improvements	Project includes the addition of three 72" RCP barrels to the existing structure at the railroad crossing, adjacent to Helen Moore Road.	15000005, 15000006	Cameron	12110208090	15000189	Infrastructure	1.430	Riverine	Cameron County Drainage District No. 3	Cameron County Drainage District No. 3	Yes	\$ 6,291,880.00	\$213,924		0.49	0	182	176	252	1	0	21	2.20	0.06	
153000104	15	Lower Rio Grande	Drain F-23 Culvert Improvements	Project includes replacing 48" RCP at Williams Road with a 6'x6' RCB.	15000005, 15000006	Cameron	12110208030	15000189	Infrastructure	0.140	Riverine	Cameron County Drainage District No. 3	Cameron County Drainage District No. 3	Yes	\$ 363,667.00	\$12,365		0.01	0	0	0	0	0	0	0	0.00	0.00	
153000105	15	Lower Rio Grande	Drain D Channel Improvements	Project includes channel improvements and the replacement of culverts through Drain D, adjacent to Mayfield Road.	15000005, 15000006	Cameron	12110208070	15000189	Infrastructure	0.478	Riverine	Cameron County Drainage District No. 3	Cameron County Drainage District No. 3	Yes	\$ 3,756,840.00	\$127,733		0.04	0	86	70	210	0	0	0	0.00	0.10	
153000106	15	Lower Rio Grande	Zacate Creek Channel Improvements	Project includes channel improvements along Zacate Creek.	15000005, 15000006	Webb	13080002070	15000084	Infrastructure	0.018	Riverine	City of Laredo	City of Laredo	Yes	\$ 700,000.00	\$23,800		0.00	0	0	0	0	0	1	3	0.25	0.00	
153000107	15	Lower Rio Grande	McAllen MDP- Study 1 Montecristo/Hoen Rd Subdivision	Channelization and Culvert Improvement on Monte Cristo	15000005, 15000006, 15000007, 15000008	Hidalgo	12110208020	15000075	Infrastructure	0.653	Riverine	City of McAllen	City of McAllen	Yes	\$ 22,594,719.86	\$768,220		0.08	0	274	261	606	0	0	22	3.79	1.20	
153000108	15	Lower Rio Grande	McAllen MDP - Study 2 Shary Rd & 6MI Intersection	Channel improvements to WMDIII along with Culvert improvements on Shary Rd and Taylor Rd	15000005, 15000006	Hidalgo	12110208020	15000075	Infrastructure	0.133	Riverine	City of McAllen	City of McAllen	Yes	\$ 9,474,979.87	\$322,149		0.00	0	12	12	32	0	0	5	2.32	1.21	
153000109	15	Lower Rio Grande	McAllen MDP- Study 3 SH107 East	Two detention ponds north of SH107 and West of N 29th St	15000005, 15000006, 15000007, 15000008	Hidalgo	12110208020	15000075	Infrastructure, Detention	0.865	Riverine	City of McAllen	City of McAllen	Yes	\$ 15,456,191.83	\$525,511		0.08	0	49	34	149	0	0	23	5.62	0.73	
153000110	15	Lower Rio Grande	McAllen MDP - Study 4 Betnsen Rd	Two overflow routing improvements for Betnsen Rd via two roadside ditches and two channels	15000005, 15000006, 15000007, 15000008	Hidalgo	12110208020	15000146	Infrastructure	0.722	Riverine	City of McAllen	City of McAllen	Yes	\$ 2,896,781.34	\$98,491		0.02	0	217	213	501	0	0	47	4.86	1.29	
153000111	15	Lower Rio Grande	Drain J01	The Drain J01 FMP aims to replace the present 24"Ø RCP with 48"Ø RCP to divert. The 36"Ø RCP will be removed/plugged	15000005, 15000006	Hidalgo		15000096	Infrastructure	4.338	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 603,663.00			1.19	0	40	40	120	0	0	107	0	1.44	
153000112	15	Lower Rio Grande	2023 Bond Project 24 - F-13 F02	This project is approximately 4.7 miles of channel improvements includes widening ditches F-13 and F-02 within existing right of way, from Hwy 281 to Floodway Levee.	15000005, 15000006	Hidalgo	12110208060	15000120	Infrastructure	1.684	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 1,460,000.00			0.67	0	91	85	85	0	0	19	0	1.23	
153000113	15	Lower Rio Grande	2018 Bond Project 34 South Lateral	This project proposes three detention pond on the both side of East Las Milpas Rd. The proposed project also includes channel widening. The project cost is approximately \$4,538,852 which resulted in a benefit cost ratio of 0.5.	15000007, 15000008	Hidalgo	12110208060	15000119	Infrastructure	2.386	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 4,538,852.00			1.38	0	174	162	486	0	0	120	0	0.45	
153000114	15	Lower Rio Grande	Downtown Pharr Alternative	The proposed improvements include channel widening, benching, clearing, longitudinal grading and will require limited grading outside of the existing R.O.W.	15000005, 15000006	Hidalgo	12110208010	15000119, 15000146	Infrastructure, Detention	1.118	Riverine	City of Pharr	City of Pharr	Yes	\$ 22,210,000.00			0.49	0	797	669	3447	1	0	109	0	0.00	
153000115	15	Lower Rio Grande	Floodway Pump Stations (Main)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	12110208060	15000146	Infrastructure	0.164	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00			0.15932535502	0.00000000000	462	426	6941	0	0	1	0.104	0.10	
153000116	15	Lower Rio Grande	Floodway Pump Stations (Parker)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	12110208060	15000146	Infrastructure	0.213	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00			0.14521919722	0.00000000000	462	426	6941	0	0	0	0	0.00	
153000117	15	Lower Rio Grande	Floodway Pump Stations (Thompson)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	12110208060	15000146	Infrastructure	0.141	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00			0.13673179799	0.00000000000	462	426	6941	0	0	0	0	0.00	
153000118	15	Lower Rio Grande	Floodway Pump Stations (Adams Gardens)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	12110208060	15000146	Infrastructure	0.142	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00			0.09371792244	0.00000000000	462	426	6941	0	0	0	0	0.00	

TABLE 13: POTENTIALLY FEASIBLE FLOOD MITIGATION PROJECTS IDENTIFIED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000101	0	90	0	90	270	0	0	0	0.00	0.00	0	0	10	10	\$ 52,344.38	0%	No	N/A	0.748	No	0	1.5	Yes	Meets TWDB Requirements
153000102	0	55	0	55	165	0	0	0	0.00	0.00	0	0	2	25	\$ 423,181.82	0%	No	N/A	0.904	No	0	0.0	Yes	Meets TWDB Requirements
153000103	181	1	0	0	0	0	0	0	0.00	0.07	0	0	10	100	\$ 6,291,880.00	0%	No	N/A	0.771	No	21505	0.5	Yes	Meets TWDB Requirements
153000104	0	0	0	0	0	0	0	0	0.00	0.00	0	0	10	100	\$ -	0%	No	N/A	0.630	No	0	8.3	Yes	Meets TWDB Requirements
153000105	0	30	0	30	90	0	0	0	0.00	0.00	0	0	10	25	\$ 125,228.00	0%	No	N/A	0.794	No	0	3.2	Yes	Meets TWDB Requirements
153000106	0	0	0	0	0	0	0	0	0.25	0.00	0	0	25	100	\$ -	0%	No	N/A	0.882	No	3417	0.7	Yes	Meets TWDB Requirements
	0	8	0	7	15	0	0	0	0.00	0.00	0	0	25	100	\$ 2,824,339.98	0%	No	N/A	0.838	No	0	0.1	Yes	Meets TWDB Requirements
	0	1	0	1	4	0	0	0	0.00	0.00	0	0	25	100	\$ 9,474,979.87	0%	No	N/A	0.906	No	0	0.0	Yes	Meets TWDB Requirements
	0	0	0	0	0	0	0	0	0.00	0.00	0	0	10	50	\$ -	0%	No	N/A	0.750	No	0	0.0	Yes	Meets TWDB Requirements
	0	5	0	5	22	0	0	0	0.00	0.00	0	0	10	50	\$ 579,356.27	0%	No	N/A	0.744	No	0	0.1	Yes	Meets TWDB Requirements
	0	27	0	27	81	0	0	0	0.00	0.00	0	0	10	100	\$ 22,357.89	0%	No	N/A	0.867	No	0	1.3	Yes	Meets TWDB Requirements
	0	12	0	12	36	0	0	0	0.00	0.00	0	0	10	100	\$ 121,666.67	0%	No	N/A	0.791	No	0	0.3	Yes	Meets TWDB Requirements
	0	79	0	72	216	0	0	0	0.00	0.00	0	0	10	100	\$ 57,453.82	0%	No	N/A	0.833	No	0	0.5	Yes	Meets TWDB Requirements
	0	323	0	258	1498	0	0	0	0.00	0.00	0	0	10	100	\$ 68,761.61	0%	No	N/A	0.859	No	0	0.8	Yes	Meets TWDB Requirements
	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements
	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements
	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements
	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

Potentially Feasible Flood Management Strategies Identified by RFPG, continued																					
FMS ID	Reduction in Flood Risk													Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMPs	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed form 100yr (1% annual chance) Flood risk	Number of structures removed form 500yr (0.2% annual chance) Flood risk	Residential structures removed form 100yr (1% annual chance) Flood risk	Estimated Population removed form 100yr (1% annual chance) Flood risk	Critical facilities removed form 100yr (1% annual chance) Flood risk	Number of low water crossings removed form 100yr (1% annual chance) Flood risk	Estimated reduction in road closure occurrences	Estimated length of roads removed form 100yr flood risk (Miles)	Estimated active farm & ranch land removed form 100yr flood risk	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Estimated reduction in fatalities (if available)								
152000001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000004	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000006	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000007	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000008	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000009	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000016	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000017	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000018	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000019	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000020	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000021	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000022	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000023	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000024	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Recurring, Non-Capital Costs (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)
15200025	15	Lower Rio Grande	Alamo #5-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Cameron	12110208	12110208 0300		Flood Measurement and Warning	1.00	Local	City of Alamo	City of Alamo	Yes	\$ 2,000.00	\$ 2,000.00	Jurisdiction Budget	0.41	0.50	953	815	3652	0	0	0	16	168
15200026	15	Lower Rio Grande	Edcouch #3-1.1	Complete Activities Required To Be A Nflp Participating Community	15000023, 15000024	Cameron	12110208	12110208 0300		Regulatory and Guidance	1.00	Local	City of Edcouch	City of Edcouch	Yes	\$ 5,000.00	\$ 5,000.00	FEMA	0.41	0.50	953	815	3652	0	0	0	16	168
15200027	15	Lower Rio Grande	Edcouch #5-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Cameron	12110208,12 110208,1211 0208	12110208 0200,121 10208030 0,121102 080400		Flood Measurement and Warning	1.00	Local	City of Edcouch	City of Edcouch	Yes	\$ 2,000.00	\$ 2,000.00	Jurisdiction Budget	24.46	5.37	16985	14417	89221	15	1	0	287	5997
15200028	15	Lower Rio Grande	Edcouch #7-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15,000009, 15000010, 15000013, 15000014	Cameron	12110208,12 110208,1211 0208	12110208 0200,121 10208030 0,121102 080400		Flood Measurement and Warning	1.00	Local	City of Edcouch	City of Edcouch	Yes	\$ 25,000.00	\$ 25,000.00	Jurisdiction Budget	24.46	5.37	16985	14417	89221	15	1	0	287	5997
15200029	15	Lower Rio Grande	Edinburg #1-1.2	Develop a Reverse 9-1-1 System	15000013, 15000014	Cameron	12110208,12 110208,1211 0208	12110208 0200,121 10208030 0,121102 080400		Flood Measurement and Warning	1.00	Local	City of Edinburg	City of Edinburg	Yes	\$ 250,000.00	\$ 250,000.00	Federal, State, & Local	24.46	5.37	16985	14417	89221	15	1	0	287	5997
15200030	15	Lower Rio Grande	Edinburg #7-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Cameron	12110208,13 090002,1309 0002	12110208 0100,130 90002030 5,130900 020311		Flood Measurement and Warning	1.00	Local	City of Edinburg	City of Edinburg	Yes	\$ 1,000.00	\$ 1,000.00	Jurisdiction Budget	3.69	4.38	3776	3144	14338	2	0	0	54	1875
15200031	15	Lower Rio Grande	Edinburg #9-1.2	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Cameron	12110207, 0100,121 10208010 0,121102 080200,1 21102080 300,1211 02080400 ,1211020 80500,12 11020806 00,13090 0011701, 13090001	12110207,12 1702,130 110208,1211 0208,121102 3,130900 08,12110208 011704,1 ,12110208,1 30900011 2110208,130 705,1309 90001,13090 00011706 001,1309000 ,1309000 1,13090001, 20301,13 13090001,13 09000203 090001,1309 05,13090 0002,130900 0020311, 02,13090002 13090002 ,13090002 0401		Flood Measurement and Warning	1.00	Local	City of Edinburg	City of Edinburg	Yes	\$ 31,000.00	\$ 31,000.00	Jurisdiction Budget	707.10	217.65	167224	135738	569558	62	16	0	3065	338729
15200032	15	Lower Rio Grande	Hidalgo #5-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Cameron	12110207,12 1702,130 110208,1211 0208,121102 3,130900 08,12110208 011704,1 ,12110208,1 30900011 2110208,130 705,1309 90001,13090 00011706 001,1309000 ,1309000 1,13090001, 20301,13 13090001,13 09000203 090001,1309 05,13090 0002,130900 0020311, 02,13090002 13090002 ,13090002 0401		Education and Outreach	1.00	Local	City of Hidalgo	City of Hidalgo	Yes	\$ 5,000.00	\$ 5,000.00	N/A	707.10	217.65	167224	135738	569558	62	16	0	3065	338729	

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	Reduction in Flood Risk												Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMPs	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance)	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual)	Residential structures removed from 100yr (1% annual)	Estimated Population removed from 100yr (1% annual)	Critical facilities removed from 100yr (1% annual chance) Flood	Number of low water crossings removed from 100yr (1% annual)	Estimated reduction in road closures	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)								
152000025	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000026	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000027	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000028	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000030	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000032	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Recurring, Non-Capital Costs (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)
152000033	15	Lower Rio Grande	Hidalgo County #11-1.2	Develop a An Inspection, Maintenance, And Enforcement Program To Ensure Continued Structural Integrity of Dams And Levees.	15000021, 15000022	Cameron	12110207, 0100, 121 10208010, 0, 121102 080200, 1 21102080 300, 1211 02080400 ,1211020 80500, 12 11020806 00, 13090 0011701, 13090001	1702, 130 90001170		Regulatory and Guidance	1.00	Local	Hidalgo County	Hidalgo County	Yes	\$ 10,000.00	\$ 10,000.00	Jurisdiction Budget, Grants	707.10	217.65	167224	135738	569558	62	16	0	3065	338729
152000034	15	Lower Rio Grande	Hidalgo County #12-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Cameron	12110207, 0100, 121 10208010, 0, 121102 080200, 1 21102080 300, 1211 02080400 ,1211020 80500, 12 11020806 00, 13090 0011701, 13090001	1702, 130 90001170		Flood Measurement and Warning	1.00	Local	Hidalgo County	Hidalgo County	Yes	\$ 100,000.00	\$ 100,000.00	FEMA, Department Budget	707.10	217.65	167224	135738	569558	62	16	0	3065	338729
152000035	15	Lower Rio Grande	Hidalgo County #14-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Cameron	12110207, 0100, 121 10208010, 0, 121102 080200, 1 21102080 300, 1211 02080400 ,1211020 80500, 12 11020806 00, 13090 0011701, 13090001	1702, 130 90001170		Flood Measurement and Warning	1.00	Local	Hidalgo County	Hidalgo County	Yes	\$ 100,000.00	\$ 100,000.00	Department Budget	707.10	217.65	167224	135738	569558	62	16	0	3065	338729
152000036	15	Lower Rio Grande	Hidalgo County #2-2.1	Incorporate Assessments of Hazards, Including Hurricane, Flood, Wild Land Fires, And Severe Storms, Into Site Selection And Design For New Buildings And When Siting Or Leasing County Facilities	15000019, 15000020	Cameron	12110208	12110208 0900		Flood Measurement and Warning	1.00	Local	Hidalgo County	Hidalgo County	Yes	\$ 25,000.00	\$ 25,000.00	Annual Dept. Budget	0.09	0.08	238	227	599	0	0	0	3	27
152000037	15	Lower Rio Grande	Hidalgo County #3-1.2	Enhance The Appropriate Websites To Provide Convenient Access To Most Current Hazard Maps.	15000013, 15000014, 15000037, 15000038	Cameron	12110208	12110208 0900		Education and Outreach	1.00	Local	Hidalgo County	Hidalgo County	Yes	\$ 50,000.00	\$ 50,000.00	Annual Dept. Budget And External Funding	0.09	0.08	238	227	599	0	0	0	3	27
152000038	15	Lower Rio Grande	La Villa #6-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110208	12110208 0900		Education and Outreach	1.00	Local	City of La Villa	City of La Villa	Yes	\$ 1,000.00	\$ 1,000.00	N/A	0.09	0.08	238	227	599	0	0	0	3	27

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	Reduction in Flood Risk												Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMPs	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance)	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual)	Residential structures removed from 100yr (1% annual)	Estimated Population removed from 100yr (1% annual)	Critical facilities removed from 100yr (1% annual chance) Flood	Number of low water crossings removed from 100yr (1% annual)	Estimated reduction in road closures	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)								
152000033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000034	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000036	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000037	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000038	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	Reduction in Flood Risk												Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMPs	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance)	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 50yr (0.2% annual)	Residential structures removed from 100yr (1% annual)	Estimated Population removed from 100yr (1% annual)	Critical facilities removed from 100yr (1% annual chance) Flood	Number of low water crossings removed from 100yr (1% annual)	Estimated reduction in road closures	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated active farm & ranch land removed from 100yr flood	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)								
152000039	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000040	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000041	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000042	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000043	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000044	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000045	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000046	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000047	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000048	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000049	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000050	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000051	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000052	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000053	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000054	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	Reduction in Flood Risk												Cost/ Structure removed	Consider ation of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigatio n (Y/N)	Water Supply Benefit (Y/N)	Associat ed FMEs, FMPs	RFPG Recomm endation (Y/N)	Reason for Recommendation
	Number of structur es with reduced 100yr (1% annual chance)	Number of structures removed form 100yr (1% annual chance) Flood risk	Number of structur es removed form 500yr (0.2% annual)	Residenti al structur es removed form 100yr (1% annual)	Estimate d Populati on removed form 100yr (1% annual)	Critical facilities removed form 100yr (1% annual chance) Flood	Number of low water crossing s removed form 100yr (1% annual)	Estimate d reductio n in road closure occurre nces	Estimate d length of roads removed form 100yr flood risk (Miles)	Estimate d active farm & ranch land removed form 100yr flood	Estimate d reductio n in fatalities (if available)	Estimate d reductio n in injuries (if available)								
152000056	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000057	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000058	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000059	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000060	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000061	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000063	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000065	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000066	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000067	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000068	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000070	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000072	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000073	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000074	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000075	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000076	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000077	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	
152000078	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.	

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Recurring, Non-Capital Costs (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)
15200078	15	Lower Rio Grande	City of San Juan - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208, 13090002	12110208 0800, 12110208 0900, 13090002 0501, 13090002 0403		Flood Measurement and Warning	1.00	Local	City of San Juan	City of San Juan	Yes	\$ 5,000,000.00	\$ 600,000.00		65.61	58.22	38722	34207	157389	6	0	479	620	16279
15200079	15	Lower Rio Grande	City of Weslaco - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	12110208 0600, 12110208 0700, 12110208 0800, 12110208 0900		Flood Measurement and Warning	1.00	Local	City of Weslaco	City of Weslaco	Yes	\$ 5,000,000.00	\$ 600,000.00		6.87	3.86	5217	3999	15210	3	0	50	99	3047
15200080	15	Lower Rio Grande	City of Alamo - Planning, operation & maintenance	Develop and Implement a planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	12110208 0300, 12110208 0700		Flood Measurement and Warning	1.00	Local	City of Alamo	City of Alamo	Yes	\$ 5,000,000.00	\$ 600,000.00		1.51	0.88	928	736	2347	2	0	14	14	845
15200081	15	Lower Rio Grande	City of Alton - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	12110208 0200, 12110208 0300, 12110208 0400		Flood Measurement and Warning	1.00	Local	City of Alton	City of Alton	Yes	\$ 5,000,000.00	\$ 600,000.00		24.45	5.37	16984	14415	89218	13	1	0	287	5997
15200082	15	Lower Rio Grande	City of Brownsville - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208, 13090002	12110208 0100, 12110208 0200, 12110208 0300, 13090002 0305, 13090002 0301		Flood Measurement and Warning	1.00	Local	City of Brownsville	City of Brownsville	Yes	\$ 5,000,000.00	\$ 600,000.00		11.06	17.45	19516	16701	63925	6	0	0	301	6278
15200083	15	Lower Rio Grande	Cameron County - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	12110208 0100, 12110208 0300		Flood Measurement and Warning	1.00	Local	Cameron County	Cameron County	Yes	\$ 5,000,000.00	\$ 600,000.00		4.33	3.17	6407	5795	24358	2	0	0	94	1611
15200084	15	Lower Rio Grande	City of Combes - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	12110208 0200, 12110208 0300		Flood Measurement and Warning	1.00	Local	City of Combes	City of Combes	Yes	\$ 5,000,000.00	\$ 600,000.00		3.59	0.52	3163	2709	9859	0	0	0	43	1061
15200085	15	Lower Rio Grande	City of Donna - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	12110208 0300		Flood Measurement and Warning	1.00	Local	City of Donna	City of Donna	Yes	\$ 5,000,000.00	\$ 600,000.00		0.47	0.12	508	423	1880	2	0	0	7	118
15200086	15	Lower Rio Grande	City of Elsa - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208, 13090002	12110208 0300, 12110208 0500, 12110208 0600, 12110208 0700, 12110208 0800, 12110208 0900, 12110208 1000, 13090002 0501, 13090002 0403, 13090002 0401, 13090002 0504, 12110208 1100		Flood Measurement and Warning	1.00	Local	City of Elsa	City of Elsa	Yes	\$ 5,000,000.00	\$ 600,000.00		479.00	340.20	96099	80721	310632	34	2	1741	1956	212334

TABLE 14: POTENTIALLY FEASIBLE FLOOD MANAGEMENT STRATEGIES IDENTIFIED BY RFPG

FMS ID	Reduction in Flood Risk												Cost/Structure removed	Consideration of Nature-based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMPs	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance)	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 50yr (0.2% annual)	Residential structures removed from 100yr (1% annual)	Estimated Population removed from 100yr (1% annual)	Critical facilities removed from 100yr (1% annual chance) Flood	Number of low water crossings removed from 100yr (1% annual)	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	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)								
152000079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000080	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000084	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000086	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.
152000087	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	Yes	Strategy complies with the TWDB criteria for FMSs.

TABLE 15: FLOOD MANAGEMENT EVALUATIONS RECOMMENDED BY RFPG

Table 15: Flood Management Evaluations Recommended by RFPG																													
151000017	15	Lower Rio Grande	Laguna Vista Action #3	Drainage improvements Basin "D": Install upgraded drainage system west side of State Highway 510 for 80 acre residential area. Current system is inadequate to carry storm water runoff.	1500000 5,15000 006	Cameron	1211020 8,12110 208	121102080800,121102080900	Project Planning	1.868715405	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	917	0	1534	3	0	41	12.89	34.21590424	Yes	No	Yes	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	\$ 924,000.00
151000018	15	Lower Rio Grande	Laguna Vista Action #4	Drainage improvements Basin "E": Install upgraded drainage system off Saunders Street and State Highway 510 that drains acreage south of Fernandez Street and north of Morris Street	1500000 5,15000 006	Cameron	1211020 8	121102080800	Project Planning	0.018939666	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	16	0	22	1	0	5	0.33	0	Yes	No	Yes	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	\$ 924,000.00
151000019	15	Lower Rio Grande	Laguna Vista Action #5	Drainage improvements Basin "F": Install drainage system at the most southwestern part of the Town limits, bounded by State Highway 100 and State Highway 510.	1500000 5,15000 006	Cameron	1211020 8,12110 208	121102080800,121102080900	Project Planning	0.177457392	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 924,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	171	0	281	0	0	7	2.12	3.294931173	Yes	No	Yes	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	\$ 924,000.00

TABLE 15: FLOOD MANAGEMENT EVALUATIONS RECOMMENDED BY RFPFG

Project ID	Region	County	Action Name	Description	Category	Code	Year	Project Type	Funding	Priority	Impact	Benefit	Other	Cost	Funding	Impact	Benefit	Other	Cost	Funding	Impact	Benefit	Other	Cost	Notes			
151000020	Lower Rio Grande	Cameron	Laguna Vista Action #6	Drainage improvements SH 100: Regrade the existing drainage ditch that parallels State Highway 100 to increase capacity and reduce risk of flooding	1500000	8,12110 208	1211020	Project Planning	13.50371742	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 370,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	19	0	34	0	0	5	16.87	383.6828003	Yes	No	Yes	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPFG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	\$ 370,000.00
151000021	Lower Rio Grande	Cameron	Laguna Vista Action #7	Drainage improvements: Upgrade the drainage system on the intersection of Broadway and Palo Blanco to increase capacity and reduce risk of flooding	1500000	8,12110 006	1211020	Project Planning	0.002706829	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$ 370,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	6	21	4	0	0	1	0.04	0	Yes	No	Yes	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPFG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	\$ 370,000.00
151000022	Lower Rio Grande	Cameron	Laguna Vista Action #8	Drainage Improvements: Upgrade the drainage system on Holley Beach to increase capacity and reduce risk of flooding	1500000	8,12110 006	1211020	Project Planning	3.997243166	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 370,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	41	18	93	0	0	3	0.79	152.0857086	Yes	No	Yes	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	\$ 370,000.00
151000023	Lower Rio Grande	Cameron	Laguna Vista Action #9	Drainage Improvements: Upgrade and harden drainage structure on Town-owned marina to increase capacity and reduce risk of damages	1500000	8,12110 006	1211020	Project Planning	0.510971665	Riverine	City of Laguna Vista	City of Laguna Vista	Yes	\$ 554,000.00	HMGP; Local Funds; Other Grants; Drainage Fee	200	127	465	2	0	22	3.82	1.968878269	Yes	No	No	Need more information to determine if it meets TWDB and RFPFG criteria for FME. Further discussions with City may combine similar FMEs to city-wide study.	\$ 554,000.00
151000024	Lower Rio Grande	Cameron	Los Fresno's Action #13	Upgrade culverts and install drainage improvements at various locations to increase capacity and reduce risk of flood damages. Purchase trailer mounted water trash pump to reduce or eliminate flooding. Drainage Improvement locations: Drainage Ditch South of Highway 100 causes flooding on East Fifth Street, East Sixth Street, East Seventh Street, East Eighth Street, East Ninth Street and East Tenth Street. South Nogal Street Causes Flooding on West First Street, West Second Street, West Third Street, Valle Alto Street & Bougainvillea Street, Jacqueline Street & North Canal Street Drain Pipe Collapse, Olmo Street from West Eighth Street to West Tenth Street, Holly Lane Drain Under Canal, Pasto Drive at California Road Drain Under Canal, and Resaca Escondido Drain Pipe Collapse. The following Resaca Crossings are Too Low: Henderson Road East Side, Henderson Road West Side, and Whipple Road West Side.	1500000	8,12110 006	1211020	Project Planning	1.404545784	Local	City of Los Fresnos	City of Los Fresnos	Yes	\$ 1,848,000.00	HMGP; General Funds; Drainage Fee	1071	32	3438	5	0	0	16.52	69.46161652	Yes	No	Yes	Project needs further study to determine if it can meet TWDB & RFPFG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	\$ 1,848,000.00
151000025	Lower Rio Grande	Cameron	Los Fresnos Action #14	Elevate or acquire and demolish flood-prone structures	1500003	8,12110 032	1211020	Project Planning	0.866604745	Riverine	City of Los Fresnos	City of Los Fresnos	Yes	\$ 185,000.00	HMGP; General Funds; CDBG	478	0	4354	6	0	0	8.41	80.73501587	Yes	No	No	Does not meet criteria for FME. Elevated to an FMS so that an FMP can be developed.	\$ 185,000.00
151000026	Lower Rio Grande	Cameron	Los Fresnos Action #31	Deepen drainage area in Resaca Escondido and Falcon Lake to increase storm water retention capacity	1500000	8,12110 008	1211020	Project Planning	0.02274045	Riverine	City of Los Fresnos	City of Los Fresnos	Yes	\$ 185,000.00	HMGP; General Funds	0	1235	0	0	0	0	0.10	0.656137824	Yes	No	Yes	Feasibility Assessment needed to define the needed FMP to improve access critical facilities and evacuation route.	\$ 185,000.00
151000027	Lower Rio Grande	Cameron	Port Isabel Action #19	Elevate and widen coastal roads as well as evacuation routes to reduce risk of flood damages and maintain emergency access	1500000	8,12110 006	1211020	Project Planning	2.724493027	Riverine	City of Port Isabel	City of Port Isabel	Yes	\$ 554,000.00	HMGP; General Funds	2187	149	4846	5	0	116	19.93	3.803475142	Yes	No	Yes	Evacuation route and access to critical facilities are impacted. Meets TWDB & RFPFG criteria for FMEs. Further discussions with City may combine similar FMEs to city-wide study.	\$ 554,000.00
151000028	Lower Rio Grande	Cameron	Port Isabel Action #22	Build breakwater or similar shoreline protection for harbor	1500000	8,12110 002	1211020	Project Planning	0.473899841	Riverine	City of Port Isabel	City of Port Isabel	Yes	\$ 1,109,000.00	HMGP; General Funds	386	2	955	1	0	48	6.29	0.222394422	Yes	No	Yes	Project needs further study to determine if it can meet TWDB & RFPFG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	\$ 1,109,000.00
151000029	Lower Rio Grande	Cameron	Primera Action #2	Construct a large retention/detention pond in the northwest part of town to hold water during heavy rain events	1500000	8,15000 0005,1500006	1211020	Project Planning	0.083207421	Riverine	City of Primera	City of Primera	Yes	\$ 92,000.00	Local Funds; HMGP; Cameron County Drainage District	8	665	17	0	0	0	0.00	16.27144241	Yes	No	Yes	Project needs further study to determine if it can meet TWDB & RFPFG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	\$ 92,000.00
151000030	Lower Rio Grande	Cameron	South Padre Island #6	Upgrade undersized culverts throughout the Island to increase capacity and reduce flood risk	1500000	8,12110 006	1211020	Project Planning	4.628045559	Riverine	South Padre Island	South Padre Island	Yes	\$ 1,848,000.00	HMGP; CDBG	1843	0	5775	3	0	143	31.75	3.313995123	Yes	No	Yes	Project needs further study to determine if it can meet TWDB & RFPFG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	\$ 1,848,000.00
151000031	Lower Rio Grande	Webb	Dimmit County	Develop Flood risk maps for the county of Dimmit and develop CIP	1500001	2,13080 002,13080002,13080002	1308000	Watershed Planning	1315.925659	Riverine	Dimmit County	Dimmit County	Yes	\$ 250,000.00		6	3	6	0	0	0	1.12	756.9116211	Yes	No	Yes	Meets TWDB & RFPFG criteria for FMEs. Identified as a mapping gap.	
151000032	Lower Rio Grande	Edwards	Edwards County	Develop Flood risk maps for the county of Edwards and develop CIP	1500001	2,13080 001,13080001,13080001	1308000	Watershed Planning	2112.656006	Riverine	Edwards County	Edwards County	Yes	\$ 250,000.00		43	0	11	0	6	0	19.35	34.665802	No	No	Yes	Meets TWDB & RFPFG criteria for FMEs. Identified as a mapping gap.	

TABLE 15: FLOOD MANAGEMENT EVALUATIONS RECOMMENDED BY RFPG

Project ID	Year	Region	City	Project Name	Parcel ID	Val	Verde	City ID	County ID	Project Type	Cost	Local	City of Del Rio	City of Del Rio	Yes	Cost	3	84	0	0	0	1	0.10	0	Yes	No	Yes	Notes	Cost
151000109	15	Lower Rio Grande	City of Del Rio Project 13	Cantu Branch Margaret Lane Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.006336553	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,004.00	3	84	0	0	0	1	0.10	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 20,000.00
151000110	15	Lower Rio Grande	City of Del Rio Project 14	Cantu Branch Amistad Blvd Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.026565405	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,005.00	4	84	1	0	1	3	0.55	0.026746552	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 37,000.00
151000111	15	Lower Rio Grande	City of Del Rio Project 15	Cantu Branch Kings Way - Site 2 Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	1.652483463	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,006.00	269	84	1387	3	2	22	5.00	3.953882456	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 48,000.00
151000112	15	Lower Rio Grande	City of Del Rio Project 16	Cantu Branch Kings Way - Site 3 Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	1.652483463	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,007.00	269	84	1387	3	2	22	5.00	3.953882456	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 32,000.00
151000113	15	Lower Rio Grande	City of Del Rio Project 17	Cantu Branch Amistad - Site 2a Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.007424456	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,008.00	0	84	0	0	1	1	0.07	0.042493753	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 74,000.00
151000114	15	Lower Rio Grande	City of Del Rio Project 18	Cantu Branch Amistad - Site 2b Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.006116466	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,009.00	0	84	0	0	0	3	0.20	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 37,000.00
151000115	15	Lower Rio Grande	City of Del Rio Project 19	Cantu Branch Kings Way/Amistad Blvd Storm sewer Improvement	15000005,15000006	Val Verde	13080001	130800010204		Project Planning	0.017694822	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,010.00	3	84	6	0	0	0	0.43	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 55,000.00
151000116	15	Lower Rio Grande	City of Del Rio Project 2	Calaveras Creek Plaza / W. Viesca St. Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.01797097	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,011.00	13	84	41	0	0	2	0.11	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 24,000.00
151000117	15	Lower Rio Grande	City of Del Rio Project 3	Calaveras Creek Bowie Street Road/Culvert Improvement	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.022665333	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,012.00	0	84	0	0	0	0	0.00	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 20,000.00
151000118	15	Lower Rio Grande	City of Del Rio Project 4	Calaveras Creek Vitela St Off Channel Detention	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.152100965	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,013.00	52	84	222	0	0	2	1.04	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 57,000.00
151000119	15	Lower Rio Grande	City of Del Rio Project 5	San Felipe Creek SFWF A Regional Detention	15000007,15000008	Val Verde	13080001	130800010207		Project Planning	0.007035168	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,014.00	0	84	0	0	0	0	0.00	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 521,000.00
151000120	15	Lower Rio Grande	City of Del Rio Project 6	San Felipe Creek RSWF B Regional Detention	15000007,15000008	Val Verde	13080001,13080001	130800010205,130800010207		Project Planning	0.036680207	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,015.00	1	84	8	0	0	0	0.00	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 3,055,000.00
151000121	15	Lower Rio Grande	City of Del Rio Project 7	San Felipe Creek Johnson Street Bridge Replacement	15000005,15000006	Val Verde	13080001	130800010207		Project Planning	0.003170746	Local	City of Del Rio	City of Del Rio	Yes	\$ 33,016.00	0	84	0	0	2	2	0.08	0	Yes	No	Yes	Feasibility Assessment needed to confirm the needed FMP and verify no negative impacts. Project needed to improve access critical facilities and evacuation route.	\$ 68,000.00

TABLE 15: FLOOD MANAGEMENT EVALUATIONS RECOMMENDED BY RFPF

Table 15: Flood Management Evaluations Recommended by RFPF

Table with 28 columns: Project ID, County, Project Name, Description, Funding Source, Status, Agency, Agency Code, Agency Address, Agency Phone, Agency Fax, Agency Email, Agency Website, Agency Contact, Agency Title, Agency Address 2, Agency Address 3, Agency Address 4, Agency Address 5, Agency Address 6, Agency Address 7, Agency Address 8, Agency Address 9, Agency Address 10, Agency Address 11, Agency Address 12, Agency Address 13, Agency Address 14, Agency Address 15, Agency Address 16, Agency Address 17, Agency Address 18, Agency Address 19, Agency Address 20, Agency Address 21, Agency Address 22, Agency Address 23, Agency Address 24, Agency Address 25, Agency Address 26, Agency Address 27, Agency Address 28.

TABLE 15: FLOOD MANAGEMENT EVALUATIONS RECOMMENDED BY RFPF

Table 15: Flood Management Evaluations Recommended by RFPF

151000409	15	Lower Rio Grande	Alton MDP - South Stewart Boulevard Alternative 2A	Alton MDP - South Stewart Boulevard Alternative 2A	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,121 10208,1 2110208 121102 08,1211 0208,13 090001, 1309000 1,13090 002,130 90002,1 3090002 .130900 02	121102080100,121102080200,121102080300,121102080400,121102080500,121102080600,130900011705,130900011706,130900020301,130900020305,130900020311,130900020401	Project Planning	564.5255737		Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 636,000.00	132861		449028	229	5	0	2291.43	158255.2031	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 5,300,000.00
151000410	15	Lower Rio Grande	Southwest Weslaco No.76	Southwest Weslaco No.77	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,121 10208,1 2110208 .121102 08,1211 0208,13 090001, 1309000 1,13090 002,130 90002,1 3090002 .130900 02	121102080100,121102080200,121102080300,121102080400,121102080500,121102080600,130900011705,130900011706,130900020301,130900020305,130900020311,130900020401	Project Planning	564.5255737		Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 311,880.00	132861		449028	229	5	0	2291.43	158255.2031	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 2,599,000.00
151000411	15	Lower Rio Grande	Hidalgo County Colonia Stormwater Drainage Planning Study Update	Hidalgo County Colonia Stormwater Drainage Planning Study Update	1500000 5,15000 006	Cameron	1211020 7,12110 208,121 10208,1 2110208 .121102 08,1211 0208,12 110208, 080400, 1309000 1,13090 001,130 90001,1 011704, 13090001 1705,13090 00011706, 130900 020301, 130900020305, 130900020311, 130900020401 090002, 1309000 2,13090 002,130 90002	121102070100,121102080100,121102080200,121102080300,121102080400,121102080500,121102080600,130900011701,130900011702,130900011703,130900011704,130900011705,130900011706,130900020301,130900020305,130900020311,130900020401	Project Planning	1587.377563		Hidalgo County	Hidalgo County Drainage District No.1	Yes	\$ 119,520.00	167223		569557	282	16	0	3064.54	338729.7813	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 996,000.00
151000412	15	Lower Rio Grande	Cameron Colonia Stormwater Drainage Planning Study Update	Cameron Colonia Stormwater Drainage Planning Study Update	1500000 5,15000 006	Cameron	1211020 8,12110 208,121 10208,1 2110208 .121102 08,1211 0208,12 110208, 080500, 1211020 80700, 121102 0208,12 110208, 081100, 1309000 20401, 8,13090 002,130 90002,1 3090002 .130900 02	121102080300,121102080500,121102080700,121102080800,121102080900,121102081000,121102081100,130900020403,130900020501,130900020504	Project Planning	1172.6073		Cameron County	Cameron County, All Cameron County Drainage Districts	Yes	\$ 119,520.00	96099		310632	198	2	1741	1955.60	212333.75	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 996,000.00
151000413	15	Lower Rio Grande	Willacy Colonia Stormwater Drainage Planning Study Update	Willacy Colonia Stormwater Drainage Planning Study Update	1500000 5,15000 006	Cameron	1211020 7,12110 207,121 10208,1 2110208 .121102 08,1211 0208,12 110208, 081000, 1211020 81100	121102070100,121102070200,121102080300,121102080400,121102080500,121102080700,121102080800,121102081000,121102081100	Project Planning	737.7504883		Willacy County	Willacy County, Willacy County Drainage District No.1 and 2	Yes	\$ 60,000.00	7020		16347	15	0	185	490.42	165722.2344	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 500,000.00
151000414	15	Lower Rio Grande	McAllen MDP - Study 1 Montecristo/Hoen Rd Subdivision	Upsize existing pond Montecristo/Hoen Dr and Channelization to discharge Pond into Existing Drainage ditch south of AOI .	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,121 10208,1 2110208 .130900 02	121102080100,121102080200,121102080300,121102080400,130900020305	Project Planning	62.89477158	Local	City of McAllen	City of McAllen	Yes	\$ 1,129,193.74	26851		132724	55	0	0	467.82	11589.11426	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 9,409,947.81
151000415	15	Lower Rio Grande	McAllen MDP - Study 2 Shary Rd & 6MI Intersection	One pond upstream of Shary Rd & 6 Mile Rd intersection. South of existing Drainage Ditch	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,121 10208,1 2110208 .130900 02	121102080100,121102080200,121102080300,121102080400,130900020305	Project Planning	62.89477158	Local	City of McAllen	City of McAllen	Yes	\$ 663,209.45	26851		132724	55	0	0	467.82	11589.11426	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 5,526,745.44
151000416	15	Lower Rio Grande	McAllen MDP - Study 3 SH107 East	1 large pond on State Highway 107 and N 23rd St.	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,121 10208,1 2110208 .130900 02	121102080100,121102080200,121102080300,121102080400,130900020305	Project Planning	62.89477158	Local	City of McAllen	City of McAllen	Yes	\$ 1,155,913.35	26851		132724	55	0	0	467.82	11589.11426	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 9,632,611.23
151000417	15	Lower Rio Grande	McAllen MDP - Study 4 Bentzen Rd	2 Detention Ponds along Bentzen Rd and Channel Improvements on ditch east of Bentzen Rd adjacent to Irrigation Canal.	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,121 10208,1 2110208 .130900 02	121102080100,121102080200,121102080300,121102080400,130900020305	Project Planning	62.89477158	Local	City of McAllen	City of McAllen	Yes	\$ 1,859,963.48	26851		132724	55	0	0	467.82	11589.11426	No	No	Yes	Meets TWDB & RFPF criteria for FMEs	\$ 15,499,695.67

TABLE 15: FLOOD MANAGEMENT EVALUATIONS RECOMMENDED BY RFPG

Project ID	Year	Category	Project Name	Description	Amount	Location	Funding Source	Priority	Benefit	Cost	Benefit-Cost Ratio	Category	Meets Criteria	Notes										
151000437	15	Lower Rio Grande	Mercedes Lateral Improvements	Widening of Mercededs Lateral	1500000 5,15000 006	Hidalgo	Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Project Planning	564.5255737	Local	Local HMGP, FIF	132861	449028	229	5	0	2291.43	158255.2031	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	\$ 7,070,000.00
151000438	15	Lower Rio Grande	Panchitas outfall structure BP 6	Rehab of the outfall structure, including concrete embankment replacement	1500000 5,15000 006	Hidalgo	Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Project Planning	564.5255737	Local	Local HMGP, FIF	132861	449028	229	5	0	2291.43	158255.2031	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	\$ 3,060,000.00
151000439	15	Lower Rio Grande	Pharr-McAllen Lateral Bond Project 9	3 miles of channel improvements, widening lateral within existing right of way	1500000 5,15000 006	Hidalgo	Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Project Planning	564.5255737	Local	Local HMGP, FIF	132861	449028	229	5	0	2291.43	158255.2031	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	\$ 5,660,000.00
151000440	15	Lower Rio Grande	PSJA Drain Bond Project 16	2 miles of chanlle improvements includes widening the PSJA Drain within existing Right of Way, from Nolana to I2	1500000 5,15000 006	Hidalgo	Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Project Planning	564.5255737	Local	Local HMGP, FIF	132861	449028	229	5	0	2291.43	158255.2031	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	\$ 1,090,000.00
151000441	15	Lower Rio Grande	City of La Feria - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of La Feria and develop CIP.	1500000 5,15000 006	Cameron	City of La Feria	City of La Feria	Watershed Planning	2.719305754	Local		1109	2323	2	0	20	18.62	276.7227173	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000442	15	Lower Rio Grande	City of Elsa - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Elsa and develop CIP.	1500000 5,15000 006	Hidalgo	City of Elsa	City of Elsa	Watershed Planning	3.010216236	Local		1628	6363	6	0	0	26.86	589.2905884	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000443	15	Lower Rio Grande	City of Donna - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Donna and develop CIP.	1500000 5,15000 006	Hidalgo	City of Donna	City of Donna	Watershed Planning	9.245862961	Local		4212	16621	10	0	0	69.46	1728.931519	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000444	15	Lower Rio Grande	City of Combes - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Combes and develop CIP.	1500000 5,15000 006	Cameron	City of Combes	City of Combes	Watershed Planning	3.323576689	Local		710	1927	3	0	24	13.08	653.7973633	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000445	15	Lower Rio Grande	City of Edinburg - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Edinburg and develop CIP.	1500000 5,15000 006	Hidalgo	City of Edinburg	City of Edinburg	Watershed Planning	27.10134506	Local		12206	66902	26	0	0	181.81	3507.786377	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000446	15	Lower Rio Grande	City of Alton - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Alton and develop CIP.	1500000 5,15000 006	Hidalgo	City of Alton	City of Alton	Watershed Planning	7.623400688	Local		2967	8993	5	0	0	41.13	1475.380127	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000447	15	Lower Rio Grande	Cameron County - Holistic HUC Flood Protection Study	Develop flood risk maps for the Cameron County and develop CIP.	1500000 5,15000 006	Cameron	Cameron County	Cameron County	Watershed Planning	854.1604614	Local		81225	264768	171	0	1461	1578.50	131929.0625	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000448	15	Lower Rio Grande	City of Weslaco - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Weslaco and develop CIP.	1500000 5,15000 006	Hidalgo	City of Weslaco	City of Weslaco	Watershed Planning	30.43502235	Local		12583	46748	24	0	0	199.30	6081.771484	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000449	15	Lower Rio Grande	City of San Benito - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of San Benito and develop CIP.	1500000 5,15000 006	Cameron	City of San Benito	City of San Benito	Watershed Planning	8.224199295	Local		4667	13564	12	0	30	73.69	1055.843018	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000450	15	Lower Rio Grande	City of Mission - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Mission and develop CIP.	1500000 5,15000 006	Hidalgo	City of Mission	City of Mission	Watershed Planning	21.25831223	Local		11982	39939	22	0	0	168.92	1656.937378	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	
151000451	15	Lower Rio Grande	City of Palmhurst - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Palmhurst and develop CIP.	1500000 5,15000 006	Hidalgo	City of Palmhurst	City of Palmhurst	Watershed Planning	1.704011202	Local		185	709	0	0	0	2.17	76.12266541	No	No	Yes	Meets TWDB & RFPG criteria for FMEs	

TABLE 15: FLOOD MANAGEMENT EVALUATIONS RECOMMENDED BY RFPG

Table 15: Flood Management Evaluations Recommended by RFPG																												
151000452	15	Lower Rio Grande	City of Palmview - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Palmview and develop CIP.	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,121 10208	121102080100,121102 080200,121102080300	Watershed Planning	2.724118948	Local	City of Palmview	City of Palmview	Yes	\$ 1,500,000.00		1409		4132	1	0	0	22.40	107.2638855	No	No	Yes	Meets TWDB & RFPG criteria for FMEs
151000453	15	Lower Rio Grande	City of Primera - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Primera and develop CIP.	1500000 5,15000 006	Cameron	1211020 8	121102080700	Watershed Planning	1.446441889	Local	City of Primera	City of Primera	Yes	\$ 1,500,000.00		411		1295	1	0	20	5.91	328.7005615	No	No	Yes	Meets TWDB & RFPG criteria for FMEs
151000454	15	Lower Rio Grande	City of Mercedes - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Mercedes and develop CIP.	1500000 5,15000 006	Hidalgo	1211020 8,12110 208	121102080300,121102 080600	Watershed Planning	6.250614166	Local	City of Mercedes	City of Mercedes	Yes	\$ 1,500,000.00		2715		8478	9	0	0	46.54	1056.465332	No	No	Yes	Meets TWDB & RFPG criteria for FMEs
151000455	15	Lower Rio Grande	City of Los Fresnos - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of Los Fresnos and develop CIP.	1500000 5,15000 006	Cameron	1211020 8	121102080900	Watershed Planning	5.650184631	Local	City of Los Fresnos	City of Los Fresnos	Yes	\$ 1,500,000.00		1706		6789	8	0	4	26.91	1083.639526	No	No	Yes	Meets TWDB & RFPG criteria for FMEs
151000456	15	Lower Rio Grande	City of La Villa - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of La Villa and develop CIP.	1500000 5,15000 006	Hidalgo	1211020 8	121102080300	Watershed Planning	1.969246626	Local	City of La Villa	City of La Villa	Yes	\$ 1,500,000.00		588		2428	5	1	0	10.86	756.6224365	No	No	Yes	Meets TWDB & RFPG criteria for FMEs
151000457	15	Lower Rio Grande	City of La Joya - Holistic HUC Flood Protection Study	Develop flood risk maps for the City of La Joya and develop CIP.	1500000 5,15000 006	Hidalgo	1211020 8,12110 208,130 90001,1 3090001 020301 02	121102080100,121102 080200,130900011705, 130900011706,130900 020301	Watershed Planning	5.245183468	Local	City of La Joya	City of La Joya	Yes	\$ 1,500,000.00		206		499	0	0	0	8.18	747.2754517	No	No	Yes	Meets TWDB & RFPG criteria for FMEs

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

Table 16: Recommended Flood Mitigation Projects Identified by RFPG																												
FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associate d Goals (ID)	Counties	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergen cy Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)
153000001	15	Lower Rio Grande	Alton MDP - West Mile 5 Road and Louisiana Street Alternative 2	Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trosper Road out falling directly into the retention pond, 3 headwalls and approximately 9 inlets. Additional inlets and smaller pipe may be needed to catch low lying areas that pond between the houses or regrading with swales to take runoff to the street.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110208		15000075.15000146	Infrastructure	3.872	Riverine	City of Alton	City of Alton	yes	\$ 2,152,660.00	\$ -		1.242	0.379	574	0	2686	0	194	102	26.1265	0
153000002	15	Lower Rio Grande	Alton MDP - FM 676 South Glasscock Road Alternative 3	Widening of FM 676 with a proposed storm drain system containing 54" reinforced concrete pipe.		Hidalgo	12110207, 12110209			Infrastructure	0.157	Riverine	City of Alton	City of Alton	yes	\$ 500,000.00	\$ -									36		
153000003	15	Lower Rio Grande	Alton MDP - North Inspiration Road and West St. Jude Avenue Alternative 2	Alternative 2, is designed to remove structures from the 25-year floodplain and more frequent storms. This alternative consists of upsizing the storm drain under West St Jude Avenue. The trunk line will consist of 1,900 LF of a single 7' X 5' reinforced concrete box sloped at 0.5% from the area just west of the neighborhood on W. St. Jude Avenue to the West Main Drain Channel, downstream (north) of the existing 10' X 7' box culvert.	15000005, 15000006	Hidalgo	12110207, 12110210		15000075	Infrastructure		Riverine	City of Alton	City of Alton	yes	\$ 2,817,940.00	\$ -		0.120	0.005	102	0	414	0	11	8	2.0383	0
153000004	15	Lower Rio Grande	Alton MDP - North Stewart Boulevard Alternative 2	Alternative 2 is designed to remove structures from the 10-year floodplain and more frequent storms. This alternative consists of the construction of 6,600 LF of a single 8' X 4' reinforced concrete box sloped at 0.02% from the Val Verde Acres Subdivision to Josefa Garcia Park.		Hidalgo	12110207, 12110211		15000075	Infrastructure	0.132	Riverine	City of Alton	City of Alton	yes	\$ 387,288.00	\$ -		54.294	26.814	137	129	324	0	0	30	2.9952	0
153000005	15	Lower Rio Grande	Alton MDP - South Stewart Boulevard Alternative 2A	740 LF 6' X 4' Reinforced Concrete Box Culvert starting just south of Orange Dr. and Stewart Rd. 70 acres of land acquisition for regional retention. 3.1 Acres of land for channel conveyance	15000005, 15000006	Hidalgo	12110207, 12110212		15000075	Infrastructure	0.232	Riverine	City of Alton	City of Alton	yes	\$ 6,296,400.00	\$ -		0.633	0.004	17	0	56	0	1	1	0.0935	0
153000006	15	Lower Rio Grande	Alton MDP - West Mile 5 and South Glasscock Road Alternative 3	Alternative 3 is simply the buyout and removal of 23 properties on the north side of Buchanan from the 10-year floodplain. Once structures are removed, the vacant land can be excavated and used as a park/regional retention pond.	15000005, 15000006	Hidalgo	12110207, 12110213		15000075	Infrastructure	0.414	Riverine	City of Alton	City of Alton	yes	\$ 1,663,200.00	\$ -		0.840	0.143	98	0	562	0	48	36	5.4586	0
153000007	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan -South Texas Boulevard and East 18th Street	Construction of a 5 acre detention pond along Texas Boulevard, with approximately 1,400 LF of channel widening along the back of the neighborhood, the replacement of a 30 – inch culvert crossing the irrigation canal with an 8' x 4' RCB, and replacement of a 24 – inch culvert crossing FM 88 with an 8' x 4' RCB.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110214		15000119	Infrastructure	1.223	Riverine	City of Weslaco	City of Weslaco	yes	\$ 1,585,580.00	\$ -		0.127	0.026	162	0	739	0	45	29	4.9468	0
153000008	15	Lower Rio Grande	Downtown Pharr Mitigation Project	Construct 5500-linear feet of channel improvements on the Pharr South Drain downstream of Sam Houston Street to just north of Inspiration Street. Install 7280-linear feet of reinforced concrete box culvert improvements toward the Pharr South Drain from Egly and North Hibiscus Street. Install curb inlet capture systems approximately every 500-feet to capture local drainage across subdivisions and repave roadways. Construct two (2) Regional Detention Facilities. Facility 1 at North Camelia Street (Max Depth = 5.5-feet) will require 5.5 acre-feet of excavation and is owned by the City of Pharr. Facility 2 at Audrey Street (max Depth = 9.5-feet) will require 42 acre-feet of excavation and will require acquisition.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110217		15000119.15000146	Detention	0.507	Riverine	City of Pharr	City of Pharr	yes	\$ 45,241,100.00	\$ -		0.486	0.271	512	0	2882	1	247	107	27.4921	0
153000009	15	Lower Rio Grande	North Pharr Backwater Relief Project	Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-McAllen Lateral Ditch up to North I road. Install culvert improvements, 2-8' X 4' RCB, alongside the ditch running parallel to Fir Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Extend existing culverts at crossings. Repave W. Sioux Road.	15000005, 15000006	Hidalgo	12110207, 12110220		15000146	Infrastructure	0.510	Riverine	City of Pharr	City of Pharr	yes	\$ 1,628,000.00	\$ -		0.688	0.255	3594	0	12236	0	71	38	10.7427	0
153000010	15	Lower Rio Grande	North Pharr Culvert Improvements	Install culvert improvements, 2-10X10 RCB, alongside the ditch running parallel to N. Erika Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Repave W. Sioux Road.	15000005, 15000006	Hidalgo	12110207, 12110221		15000146	Infrastructure	0.570	Riverine	City of Pharr	City of Pharr	yes	\$ 869,000.00	\$ -		0.451	0.064	3594	0	12236	0	42	35	9.5076	0
153000011	15	Lower Rio Grande	North Pharr Mitigation Project	Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-McAllen Lateral Ditch up to North I road. Install culvert improvements, 2 – 8' X 4' RCB, alongside the ditch running parallel to Fir Street at crossings of W. Sioux Road and at connection to outfall of maintained ditch to the Pharr-McAllen Lateral System. Construct an inline Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 35 acres.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110221		15000146	Infrastructure	1.150	Riverine	City of Pharr	City of Pharr	yes	\$ 8,195,000.00	\$ -		0.688	0.255	3594	0	12236	0	119	102	15.7946	0
153000012			Southwest Pharr Drainage Mitigation Project	Construct four regional detention facilities (RDF). RDF 1 has a footprint of 19.75-acres and is a lateral detention facility located between Dicker and Thomas Road west of Highway 281 and near Carmen Anaya Elementary. RDF 2 has a footprint of 7.4-acres	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110222		15000146	Detention	0.860	Riverine	City of Pharr	City of Pharr	yes	\$ 5,587,280.00			1.415820003	1.198770046	2613	956	5834	0	385	157	39.11940002	0

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

Flood Mitigation Projects Recommended by RFPG													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)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
FMP ID	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000001	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0	0	Yes	BCR is less than 1		
153000002													10	100		No				1.99	No			
153000003	0	0	0	0	0	0	0	0	0	0	0	0	10	25	\$ -	No		No		1.99	Yes	BCR is less than 3		
153000004													10	10		No					No	Project under construction		
153000005	0	0	0	0	0	0	0	0	0	0	0	0	10	25	\$ -	No		No		0.06	No	Not supported by Sponsor		
153000006	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0		Yes	BCR is less than 6		
153000007	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ - 0	No	0	No	0	0.08	Yes	Solutions are not for 1% ACE LOS		
153000008	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ - 0	No	0	No	0		No	Added to Pharr Downtown Alternative		
153000009	0	42	0	0	519	0	0	0	0	0	0	0	10	50	\$ - 0	No	0	No	0	3.21	No	It is part of North Pharr Mitigation Project		
153000010	0	17	0	0	694	0	0	0	0	0	0	0	10	25	\$ - 0	No	0	No	0	4.24	No	It is part of North Pharr Mitigation Project		
153000011	0	834	0	0	4746	0	0	0	0	0	0	0	10	50	\$ 9,826.14 0	No	0	No	0	6.49	Yes	It complies with TWDB criteria for FMPs		
153000012	956	187	0	0	780	0	0	241	179	117	55	0	10	50	\$ 29,878.50 0	No	0	No	0	1.31	Yes	It complies with TWDB criteria for FMPs		

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associate d Goals (ID)	Counties	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergen cy Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk											
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)		
153000013	15	Lower Rio Grande	Pharr - San Juan Regional Detention Facility	Construct an in-line Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 35 acres, 300 acre-feet of storage volume, have a maximum depth of approximately 14 feet, and require some property acquisition.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110221		15000146	Detention	1.150	Riverine	City of Pharr	City of Pharr	yes	\$ 5,148,000.00	\$ -		0.166	0.443	3594	0	12236	0	100			7.3717	0	
153000014	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street	Installation of 3,220 LF of new storm drain system consisting of two – 8' x 4' RCBs along Mile 3 1/2.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110228		15000119,15000146	Infrastructure		Riverine	City of Weslaco	City of Weslaco	yes	\$ 5,462,600.00	\$ -		1.400	0.754	155	0	2951	0	133	63		25.1212	0	
153000015	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Los Torritos Street and North Kansas Avenue	Construction of a 30 acre pond at Mayor Pablo Peña Park, replacement of the existing 48-inch and 60-inch storm drain system with 2 – 8' x 6' RCBs along Plaza Street and Agostadero Street, approximately 1,500 LF of channel widening along the length of the pond, and the addition of a new storm drain system consisting of three – 8' x 6' RCBs along Los Torritos Street to near Texas Boulevard.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110229		15000119,15000146	Infrastructure	1.207	Riverine	City of Weslaco	City of Weslaco	yes	\$ 8,338,572.00	\$ -		77.783	0	0	0	0	1	0	0	0	0	0	0
153000016	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Mile 10 N and Mile 5 1/2 W	Construction of an 8 acre detention pond, with approximately 4,000 LF of channel widening along the back of the neighborhoods and between the Justice Raul A. Gonzalez Elementary School and Joe Calvillo Jr Career & Technology Education Complex; replacement of existing undersized channel culvert with two – 8' x 5' reinforced concrete boxes (RCBs), and adding two – 8' x 5' RCBs to connect the existing drainage ditches to the drain channel system on the east.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110230		15000146	Infrastructure	0.164	Riverine	City of Weslaco	City of Weslaco	yes	\$ 4,441,010.00	\$ -		0.551	0.147	72	0	686	0	48	33		4.3354	0	
153000017	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	Replacement of 48 – inch culverts at two roadway crossings with 6' x 4' RCBs.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110231		15000119,15000146	Infrastructure	2.446	Riverine	City of Weslaco	City of Weslaco	yes	\$ 93,808.00	\$ -		0.060	0.009	183	0	310	0	73	56		4.5475	0	
153000018	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Texas Boulevard to Airport Drive, South of Business 83	Construction of two detention ponds, 10 acres near Texas Boulevard and 18th Street and 3 acres south of Dawson Street, a berm, approximately 5,400 LF of channel widening and extension, and installation of an 8' x 4' RCB storm drain system near Border Ave. to Bridge Ave.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110232		15000119,15000146	Infrastructure	2.253	Riverine	City of Weslaco	City of Weslaco	yes	\$ 43,984,500.00	\$ -		3.055	1.280	667	0	2399	0	344	164		32.5159	0	
153000019	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - West Weslaco	The project is located just west of Border Avenue, between US 83 and Zelma Street. Construction of three detention ponds, 18 acres east of Vaughn Road and Midway Road, 26 acres near West 6th Street and Milano Road and 60 acres at Harlon Block Sports Complex, approximately 17,000 LF of channel widening connecting the ponds, and installation of approximately 4500 LF of large (8' x 4', 8' x 5', 8' x 6') RCB storm drain system to improve conveyance along the channels to the ponds.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110233		15000119,15000146	Infrastructure	1.977	Riverine	City of Weslaco	City of Weslaco	yes	\$ 37,305,800.00	\$ -		1.937	0.481	638	0	3620	1	244	146		27.7766	0	
153000020	15	Lower Rio Grande	Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	Construction of two detention ponds, 11 acres near Clecker-Heald Elementary School and 8 acres behind the commercial properties north of Interstate 2, approximately 4,500 LF of channel widening connecting the two ponds, addition of a new 42-inch reinforced concrete pipe (RCP) culvert east of Border Avenue, and installation of approximately 5,600 LF of an 8' x 4' RCB storm drain system along West Paisano Lane and East Ballard Street.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110234		15000146	Infrastructure	0.792	Riverine	City of Weslaco	City of Weslaco	yes	\$ 11,099,100.00	\$ -		1.554	1.064	423	0	2931	0	178	90		30.1522	0	
153000021	15	Lower Rio Grande	Precinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.	Approximately 1 mile of proposed channel improvements. Proposed culverts. Proposed Detention Ponds with pond north of Mile 8.5 Rd. to collect runoff from the west and has an approximate footprint of 12 acres and storage capacity of 60 acre-ft and will outfall south towards the pond south of Mile 8.5 Rd.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110279		15000075	Infrastructure	2.569	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 19,899,000.00	\$ -		0.465	0.126	124	0	499	0	90	47		5.7133	0	
153000022	15	Lower Rio Grande	Precinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.	Regional Detention Facilities with a pond footprint of 25 acres along the Existing HCDD1 West Main Drain. Storm Drain and Local Drainage Improvements. Channel maintenance.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110280		15000075,15000146	Infrastructure	16.083	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 27,175,500.00	\$ -		1.315	0.182	311	0	1638	0	77	35		18.9040	0	
153000023	15	Lower Rio Grande	Precinct 4 MDP - Risk Area C at FM 2812 & FM 493	Channel Improvements (Widening & Regrading) to Existing J-01 Drain with approximately 1.5 miles of proposed improvements. Channel Improvements (Channel Maintenance & Flowline Regrading) to Existing DA-1 Ext. Drain with approximately 0.4 miles of proposed improvements. Proposed detention pond will have an approximate footprint of 9 acres and storage capacity of 90 acre-ft. Grate inlets & proposed storm drain channel maintenance & debris removal.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110281		15000096,15000146	Infrastructure	1.401	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 7,887,000.00	\$ -		5.959	2.104	273	0	1167	0	167	83		44.4282	0	
153000024	15	Lower Rio Grande	Precinct 4 MDP - Risk Area D at S. McColl & Canton Rd.	Channel Improvements (Widening & Regrading) to Existing McAllen Lateral & North Main Drain with approximately 2.25 miles of proposed improvements from S McColl St. to State Highway 107. Crossings at W Canton Rd., W Freddy Gonzalez Dr., and W Sprague St. were all evaluated up to the 25-year design storm criteria for upsizing evaluation.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110282		15000146	Infrastructure	0.090	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 6,358,000.00	\$ -		1.121	0.148	735	0	6686	1	131	86		46.6620	0	

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000013	0	586	0	0	4501	0	0	0	0	0	0	0	10	10	\$ -	0	No	0	No	0	8.72	No	It is part of North Pharr Mitigation Project	
153000014	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000015													10	100		0	No	0		0		No		
153000016	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ -	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000017	0	0	0	0	0	0	0	0	0	0	0	0	25	100	\$ -	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000018	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ -	0	No	0	No	0		No	Solutions are not for 1% ACE LOS	
153000019	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000020	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ -	0	No	0	No	0		Yes	Solutions are not for 1% ACE LOS	
153000021	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ -	0	No	0	No	0	1.7	Yes	Need more information to determine no negative effects and BCR LOS	
153000022	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ -	0	No	0	No	0	1.3	Yes	Need more information to determine no negative effects and BCR LOS	
153000023	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ -	0	No	0	No	0	0.4	Yes	Need more information to determine no negative effects and BCR LOS	
153000024	0	0	0	0	0	0	0	0	0	0	0	0	5	50	\$ -	0	No	0	No	0	1.4	Yes	Need more information to determine no negative effects and BCR LOS	

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	County	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)
153000025	15	Lower Rio Grande	Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	Channel Improvements with approximately 0.3 miles of proposed improvements. Proposed detention pond north of Tex-Mex Rd. and east of S 87th St. has an approximate footprint of 4.25 acres and capacity of 20 acre-ft. Grate Inlets and Proposed Storm Drain 5'x5' grate inlets spaced along every 500' of storm drain with a 4'x2' RCB along S 85th St.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110283		15000146	Infrastructure	0.557	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 4,983,000.00	\$ -		0.081	0.008	58	0	280	0	16	9	4.5910	0
153000026	15	Lower Rio Grande	Precinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.	Channel Improvements with approximately 0.6 miles of proposed improvements. Grate Inlets and Proposed Storm Drain with grate inlets in sag spaced along every 500' tying into a 42" RCP along Cesar Chavez Road starting at just south of Texas Rd to the Curry Drain. Culvert Improvements with connections between the proposed open channels and existing HCDD1 Edinburg Stub will require the installation of 4'x3' RCBs.	15000005, 15000006	Hidalgo	12110207, 12110284		15000146	Infrastructure	0.791	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 7,920,000.00	\$ -		0.119	0.156	33	0	155	0	48	16	3.2561	0
153000027	15	Lower Rio Grande	Precinct 4 MDP - Risk Area G at Hoehn Rd. & Mile 11 Rd.	Channel Improvements with approximately 0.75 miles of proposed improvements. Proposed Pond north of County Road 3424 and west of County Road 3421 has an approximate footprint of 5 acres and capacity of 35 acre-ft. Grate Inlets and Proposed Storm Drain 5'x5' grate inlets will be located at the southwest corner of Eubanks and County Road 3424 with a connection to a 42" DIA RCP storm drain. Proposed culverts.	15000005, 15000006, 15000007, 15000008	Hidalgo	12110207, 12110285		15000075	Infrastructure	0.734	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 6,061,000.00	\$ -		0.471	0.081	141	0	592	0	36	21	10.1584	0
153000028	15	Lower Rio Grande	Precinct 4 MDP - Risk Area I at Sharp Rd. & E Monte Cristo Rd.	Inlets and proposed storm drain with Approximately 1,100' of 4'x4' RCB storm drain with curb inlets to be installed along Hendrix Dr. and Gaston Cr. with approximately 1,200' of 6'x4' RCB storm with grate and sag inlets along Uresti Rd. with connection to the HCDD1 J-02 Drain. Proposed installation of grate and sag inlets along Mile 19 Rd. (Phase Two) and proposed installation of grate and sag inlets along Sharp Rd. (Phase Two). Proposed Culverts Improvements (Phase One). Proposed detention pond with 9 acre footprint. Channel maintenance.	15000005, 15000006	Hidalgo	12110207, 12110286		15000096	Infrastructure	0.147	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 5,995,000.00	\$ -		0.412	0.178	67	0	354	0	64	30	15.4443	0
153000029	15	Lower Rio Grande	Precinct 4 MDP - Risk Area J at SH107 & FM 907	Channel Improvements (Widening & Regrading) to Existing HCDD1 "Y" drain with approximately 0.75 miles of proposed channel improvements beginning at Fresno Dr. and ending at E Curry Rd. Proposed Drainage Grate Inlets approximately 3,800' of storm drain to provide local drainage improvements north and west of existing HCDD1 "Y" Drain in two separate systems. Proposed culverts improvements. Proposed detention pond with a 2.7 acre footprint.	15000005, 15000006	Hidalgo	12110207, 12110287		15000146	Infrastructure	0.046	Riverine	Hidalgo County Precinct 4	Hidalgo County Precinct 4	yes	\$ 3,608,000.00	\$ -		0.078	0.030	19	0	144	0	26	16	3.7775	0
153000030	15	Lower Rio Grande	Risk Area 11 Rancho Escondido	Project includes constructing 10'x2' U-shaped channel from Flores Drive to just south of Microtel Inn Suites, replacing existing culvert under Maza Drive with 1-8'x4' RCB, and installing curb inlet at cul-de-sac on Nancy Drive.	15000005, 15000006	Maverick	13080001, 13080002		15000150	Infrastructure	0.041	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 911,900.00	\$ -		0.009	0.000	16	0	100	0	8	5	0.2402	0

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000025	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0	1.3	Yes	Need more information to determine no negative effects and BCR LOS		
153000026	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0	2.45	Yes	Need more information to determine no negative effects and BCR LOS		
153000027	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0	0.5	Yes	Need more information to determine no negative effects and BCR LOS		
153000028	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0	0.63	Yes	Need more information to determine no negative effects and BCR LOS		
153000029	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0	1.07	Yes	Need more information to determine no negative effects and BCR LOS		
153000030	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ - 0	No	0	No	0	0.31	No	Need more information to determine no negative effects and BCR LOS		

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	County	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)
153000031	15	Lower Rio Grande	Risk Area 12 Fox Borough Drive	Project includes bypassing flow from inlet at PointLoma Drive and North Point Drive to the detention pond with 1 - 8'x4' RCB and installing additional curb inlets on N. Point Drive and Silver Oak Circle.	15000005, 15000006, 15000007, 15000008	Maverick	13080001, 13080002		15000150	Infrastructure	0.135	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 1,185,800.00	\$ -		0.011	0.000	24	0	95	0	11		0.3912	0
153000032	15	Lower Rio Grande	Risk Area 13 Celle De Los Santos neighborhood. Additional culvert under irrigation canal.	Project includes upgrading existing culvert crossing irrigation canal from 2-6'x4' RCB to 4-6'x4' RCB.	15000005, 15000006	Maverick	13080001, 13080002		15000150	Infrastructure	1.238	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 181,500.00	\$ -		0.379	0.024	8	0	50	0	9		0.2577	0
153000033	15	Lower Rio Grande	Risk Area 15 Trib 3 Detention at Main Street	Project includes constructing 10 acre detention pond (29 ac-ft volume) along East Channel north of Highway 277 and installing flap-gates at flume outfalls on Omar Drive and Jana Drive, to prevent more frequent stormwater from backing up into the neighborhood on the west side of the channel.	15000005, 15000006, 15000007, 15000008	Maverick	13080001, 13080002		15000150	Infrastructure	1.067	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 828,300.00	\$ -		0.598	0.056	191	0	1331	1	86		5.6693	0
153000034	15	Lower Rio Grande	Risk Area 2 Treasure Hills	Project includes constructing a 4' deep trapezoidal concrete channel with 8' bottom width and 2:1 side slopes, from detention pond outfall to existing culverts.	15000005, 15000006	Maverick	13080001, 13080002		15000150	Infrastructure	0.586	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 597,300.00	\$ -		0.654	0.077	26	0	268	0	71		5.1106	0
153000035	15	Lower Rio Grande	Risk Area 3 Arrow Point Boulevard	Project includes constructing small retaining wall at downstream of flume outfall to force flow towards Stone Way and constructing a 2' wide and 6" deep concrete flume from existing flume outfall to Stone Way.	15000005, 15000006	Maverick	13080001, 13080002		15000150	Infrastructure	0.055	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 52,800.00	\$ -		0.105	0.012	0	0	0	0	17		2.4048	0
153000036	15	Lower Rio Grande	Risk Area 4 Bibb & Misty Willow storm drain	Project includes installing 6'x4' RCB along Misty Willow Drive from N Bibb Avenue to existing channel between N Bibb Avenue and Timber Valley and installing curb inlets on N Bibb Avenue and Misty Willow Drive.	15000005, 15000006	Maverick	13080001, 13080002		15000150	Infrastructure	0.098	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 316,800.00	\$ -		0.012	0.001	17	0	79	0	12		0.5575	0
153000037	15	Lower Rio Grande	Risk Area 5 Debona Drive	Project includes constructing a 5' deep trapezoidal channel approximately 30 feet wide with 3:1 side slopes and a 5' concrete pilot channel, replacing Juarez Street culvert with 8'x4' box culvert, and realigning existing channel to provide additional distance from homes.	15000005, 15000006	Maverick	13080001, 13080002		15000150	Infrastructure	0.096	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 359,700.00	\$ -		0.042	0.010	3	0	118	0	31		1.7591	0
153000038	15	Lower Rio Grande	Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	Project includes bypassing flow from Golfcrest Drive to the detention pond with 1-6'x4', RCB Modifying outfall structure from 2-5'x3' RCB to 1-5'x3' RCB, and Lowering existing baseball field by 3 ft to provide an additional 30 ac-ft of storage.	15000005, 15000006, 15000007, 15000008	Maverick	13080001, 13080002		15000150	Infrastructure	0.601	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 957,000.00	\$ -		0.039	0.008	5	0	18	0	17		1.0997	0
153000039	15	Lower Rio Grande	Risk Area 8 Tributary 2 channel widening near Alexander Drive	Project includes constructing a 3' deep trapezoidal channel with a 76' bottom width with 4:1 side slopes from Graves Elementary School to the confluence of existing channels and constructing a 4' deep trapezoidal channel with a 11' bottom width with 4:1 side slopes from confluence of existing channels to existing culvert at Kelso Drive.	15000005, 15000006	Maverick	13080001, 13080002		15000150	Infrastructure	0.601	Riverine	City of Eagle Pass	City of Eagle Pass	yes	\$ 80,300.00	\$ -		0.569	0.036	36	0	289	0	61		3.6760	0
153000040	15	Lower Rio Grande	NM-102	Project includes expansion of HCDD1 Lull Drain and addition of laterals NM-102-01, NM-102-02, and NM-102-03. Should happen 2023 development ongoing and city will participate to make it happen.	15000005, 15000006, 15000007, 15000008	Hidalgo	1211020803 00, 1211020804 00		15000075, 15000096, 15000146	Infrastructure	3.099	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	yes	\$ 4,756,150.00	\$ 240,590.00		2.31	0	151	151	300	0	0	114	0.98	1.62
153000041	15	Lower Rio Grande	NM-103	Replace culverts on Access Road and Monte Cristo with 10'X6' RCB and relace 36" RCP on Rogers, Utility - Canal and Russell with 8' X 6' RCB for Rogers. 6' x 6' RCB for Utility - Canal and 48" RCP for Russell. Get included in plan	15000005, 15000006	Hidalgo	1211020803 00		15000075, 15000146	Infrastructure	1.476	Riverine	City of Edinburg	City of Edinburg	yes	\$ 2,047,160.00	\$ 103,556.00		1.15	0	279	278	500	0	0	88	2.85	2.55
153000042	15	Lower Rio Grande	NM-105	Project includes a lateral ditch with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth. Also, replacing existing crossings at McColl (30-in RCP), Monument Mack (30-in RCP), and Hoehn (18-in RCP) into 5'x5' RCB, 6'x4' RCB and 48-in RCP respectively. Get included in plan	15000005, 15000006	Hidalgo	1211020803 00		15000075, 15000146	Infrastructure	0.767	Riverine	City of Edinburg	City of Edinburg	yes	\$ 912,279.00	\$ 46,148.00		0.36	0	137	137	400	0	0	21	0.50	2.04

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000031	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ -	0	No	0	No	0	0	Yes	Need more information to determine no negative effects and BCR LOS	
153000032	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ -	0	No	0	No	0	0.24	No	Project is under construction	
153000033	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ -	0	No	0	No	0	1.62	Yes	Need more information to determine no negative effects and BCR LOS	
153000034	0	0	0	0	0	0	0	0	0	0	0	0	10	10	\$ -	0	No	0	No	0	0.41	Yes	Need more information to determine no negative effects and BCR LOS	
153000035	0	0	0	0	0	0	0	0	0	0	0	0	10	100	\$ -	0	No	0	No	0	0.3	No	Project is under construction	
153000036	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0	0.63	No	Project is under construction	
153000037	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0	0.49	No	Project is under construction	
153000038	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0		Yes	Need more information to determine no negative effects and BCR LOS	
153000039	0	0	0	0	0	0	0	0	0	0	0	0	10	50	\$ -	0	No	0	No	0		Yes	Need more information to determine no negative effects and BCR LOS	
153000040	6	145	0	145	290	0	0	0	0.72	67.00	0	0	10	100	\$ 32,801.03		No	0.860	No	26000	1.6	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	
153000041	0	279	0	278	500	0	0	0	2.85	0.00	0	0	25	100	\$ 7,337.49		No	0.846	No	7900	6.6	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	
153000042	34	103	0	103	350	0	0	0	0.20	64.90	0	0	10	100	\$ 130,325.57		No	0.871	No	7777	4.7	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.	

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associate d Goals (ID)	County	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergen cy Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)
15300043	15	Lower Rio Grande	NM-106	Project includes extending west with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth as well as replacing existing crossing at McColl (36-in RCP) and Access (36-in RCP) into 2-36-in RCP each. Plan	15000005, 15000006	Hidalgo	1211020803		15000075, 15000146	Infrastructure	0.379	Riverine	City of Edinburg	City of Edinburg	yes	\$ 693,610.00	\$ 35,086.00		0.26	0	8	8	10	0	0	59	1.00	0.70
15300044	15	Lower Rio Grande	NM-108	Replace 10' x 6' RCB with a 48" RCP along Jackson Road crossing to increase conveyance of the ditch system. Plan	15000005, 15000006	Hidalgo	1211020803		15000146	Infrastructure	0.359	Riverine	City of Edinburg	City of Edinburg	yes	\$ 4,689,680.00	\$ 237,228.00		0.17	0	0	0	0	0	0	19	0.00	0.02
15300045	15	Lower Rio Grande	NM-109	Enlarge 36" RCP along culvert to 48" RCP to increase the conveyance capacity of the ditch system. Include in the plan	15000005, 15000006	Hidalgo	1211020803 00, 1211020804 00		15000146	Infrastructure	0.595	Riverine	City of Edinburg	City of Edinburg	yes	\$ 1,247,580.00	\$ 63,109.00		0.52	0	2	2	10	0	0	68	0.19	0.00
15300046	15	Lower Rio Grande	NM-110	Project includes an extension of 8'x4' RCB upstream to increase conveyance across McColl Road. Also, replacing existing crossings at Utility (30-in RCP), Mon Mack (36-in RCP), and Saker (36-in RCP) into 7'x4' RCB, 7'x4' RCB and 2-36-in RCP, respectively. Plan	15000005, 15000006	Hidalgo	1211020803		15000146	Infrastructure	0.301	Riverine	City of Edinburg	City of Edinburg	yes	\$ 906,348.00	\$ 45,848.00		0.25	0	7	7	100	0	0	22	0.25	0.00
15300047	15	Lower Rio Grande	NM-113	Replace 5' x 4' RCB along Jackson Road with 2 - 5' X 4' RCB and replace the current 5' X 4' RCB along the Railroad with a new 5' X 4' RCB. On Sugar Road increase the size of the culvert 18" RCB to a 42" RCB. Nothing there include in plan - irrigation district is doing concrete lining and city has not been involved	15000005, 15000006	Hidalgo	1211020803		15000146	Infrastructure	0.248	Riverine	City of Edinburg	City of Edinburg	yes	\$ 643,285.00	\$ 32,540.00		0.16	0	4	4	10	0	0	27	0.39	0.00
15300048	15	Lower Rio Grande	NM-115	Project includes replacing existing crossing at Wisconsin (7'x8' RCB), Alberta (6'x9' RCB), Utility (8'x7' RCB), Dove (7'x6' RCB), Violet (6'x5' RCB), Utility (6'x4' RCB), and Utility (6'x4') into 2-7'x8' RCB, 2-8'x9' RCB, 2-8'x7' RCB, 2-7'x6' RCB, 10'x8' RCB, 2-6'x4' RCB and 2-6'x4' RCB, respectively. Include in plan	15000005, 15000006	Hidalgo	1211020803		15000146	Infrastructure	1.633	Riverine	City of Edinburg	City of Edinburg	yes	\$ 1,937,485.00	\$ 98,008.00		0.84	0	22	10	100	0	0	244	2.50	0.12
15300049	15	Lower Rio Grande	NM-116	Project includes replacing existing crossing at Wisconsin (2-36-in RCP) into 6'x5' RCB. Plan	15000005, 15000006	Hidalgo	1211020803 00, 12110208 0400		15000146	Infrastructure	0.206	Riverine	City of Edinburg	City of Edinburg	yes	\$ 567,270.00	\$ 28,695.00		0.11	0	4	3	50	0	0	25	0.00	0.00
15300050	15	Lower Rio Grande	Raymondville Drain BP 2	Consists of drainage ditch connection to existing channels. Existing channels improvements of approximately 63 miles of drainage improvements include in-line and off-line detention, reservoirs and control structures that stretch from Edinburg Lake to the Laguna Madre.		Hidalgo				Infrastructure			Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$15,000,000												
15300051	15	Lower Rio Grande	North Main Drain III and I BP 4	For Bond Project 4, North Main Drain III and I, approximately 9 miles of channel improvements are implemented including widening the North Main Drain within the existing right of way, from Monte Cristo Road to J-09 Drain.	15000005, 15000006	Hidalgo	1211020801	1211020801	15000096, 15000146	Infrastructure	7.917	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 33,040,000.00	\$ -		3.33	0	952	952	2856	0	0	115	0.00	5.93
15300052	15	Lower Rio Grande	North Main Drain I BP 5	5.7 miles of channel improvements includes widening the North Main Drain within existing right of way		Hidalgo				Infrastructure			Hidalgo County Drainage District #1	Hidalgo County Drainage District #1		\$15,850,000												
15300053	15	Lower Rio Grande	Panchitas outfall structure BP 6	Rehab of the outfall structure, including concrete embankment replacement		Hidalgo				Infrastructure			Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$3,060,000												
15300054	15	Lower Rio Grande	Palmview Lateral BP 7	This project is approximately 1.3 miles of channel improvements implemented by widening the Palmview Lateral within the existing ROW, from Minnesota Road to Abram Road. One regional detention facility on Minnesota Road is proposed to relieve the area from	15000005, 15000006	Hidalgo	1211020801	1211020801	15000075, 15000119, 15000146	Infrastructure	1.859	Riverine	Hidalgo County Drainage District No.1	Hidalgo County Drainage District No.1	Yes	\$ 5,460,000.00	\$ -		0.94	0	750	750	2250	4	0	44	0.00	2.96

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000043	0	8	0	8	10	0	0	0	1.00	17.00	0	0	10	25	\$ 86,701.25				0.871	No	500	0.4	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000044	0	0	0	0	0	0	0	0	0.00	0.00	0	0	25	100	\$ -				0.879	No	0	0.1	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000045	0	2	0	2	10	0	0	0	0.00	0.00	0	0	10	100	\$ 623,790.00				0.686	No	11158	0.0	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000046	0	7	0	7	100	0	0	0	0.25	43.35	0	0	25	100	\$ 129,478.29				0.446	No	3417	0.7	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000047	0	4	0	4	10	0	0	0	0.39	4.70	0	0	10	50	\$ 160,821.25				0.544	No	14304	0.7	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000048	0	22	0	10	100	0	0	0	2.50	60.00	0	0	10	50	\$ 4,454.91				0.502	No	31431	0.9	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000049	0	4	0	3	50	0	0	0	0.00	0.00	0	0	10	50	\$ 7,173.75				0.554	No	0	0.3	Yes	Project needs further study to determine if it can meet TWDB & RFPG criteria for an FMP in the future. Potential to impact access routes to critical infrastructure.
153000050											0	0											No	
153000051	0	561	0	561	1683	0	0	0	0.00	0.00	0	0	10	50	\$ 58,894.83				0.854	No	0	0.2	Yes	Meets TWDB Requirements
153000052											0	0											Yes	Meets TWDB Requirements
153000053											0	0											No	No models received for this project
153000054	0	134	0	134	402	0	0	0	0.00	0.00	0	0	10	50	\$ 40,746.27				0.911	No	0	0.7	Yes	Meets TWDB Requirements

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associate Goals (ID)	Counties	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk																	
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)								
153000055	15	Lower Rio Grande	Pharr-McAllen Lateral BP 9	3 miles of channel improvements, widening lateral within existing right of way		Hidalgo				Infrastructure			Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$5,660,000																				
153000056	15	Lower Rio Grande	Weslaco North Lateral BP 10	6 miles of channel improvements widening of Weslaco North Lateral within existing right of way.		Hidalgo				Infrastructure			Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$4,560,000																				
153000057	15	Lower Rio Grande	Alternate Rado Drain BP 11	Approximately 2.1 miles of channel improvements includes the widening of the Alternate Rado Drain within the existing right of way, from Colbath Road to FM 495.	15000005, 15000006	Hidalgo	1211020801	1211020801	15000119, 15000146	Infrastructure	1.346	Riverine	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 4,747,963.00	\$ -		0.49	0	113	87	572	0	0	16	3.09	0.94								
153000058	15	Lower Rio Grande	Mission-McAllen Drain BP 12	Approximately 5.3 miles of channel improvements includes widening the Mission McAllen Drain within existing ROW, from SH 107 to 3 Mile North.	15000005, 15000006	Hidalgo	1211020806	1211020806	15000075, 15000146	Infrastructure	14.271	Riverine	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 21,110,000.00	\$ -		7.18	0	3365	3326	13318	0	0	425	0.00	22.67								
153000059	15	Lower Rio Grande	Mission Inlet BP 13	The project improvements include widening the pilot channel of the Mission Inlet and updating the outfall structure to IBWC Floodway.	15000005, 15000006	Hidalgo			15000119	Infrastructure	8.886	Riverine	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 7,480,000.00	\$ -		4.48	0	46	46	46	0	0	70	0.00	1.22								
153000060	15	Lower Rio Grande	West Main Drain III Extension BP 14	Approximately 5.3 miles of channel improvements includes widening the Mission McAllen Drain within existing ROW, from SH 107 to 3 Mile North.	15000005, 15000006	Hidalgo	1211020806	1211020806	15000075, 15000146	Infrastructure	14.271	Riverine	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 17,480,000.00	\$ -		7.18	0	3365	3326	13318	0	0	425	0.00	22.67								
153000061	15	Lower Rio Grande	PSJA Drain BP 16	2 miles of chanlle improvements includes widening the PSJA Drain within existing Right of Way, from Nolana to I2		Hidalgo				Infrastructure			Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$1,090,000																				
153000062	15	Lower Rio Grande	Alamo Expressway Drain Phase 2 BP 21	The Alamo Expressway Drain is designed to remove a number of residential structures, commercial structures, and 1.33 miles of roadway from the 100-year floodplain. Approximately 1.9 miles of channel improvements includes excavation of the Alamo Express	15000005, 15000006	Hidalgo	1211020801, 1211020803	1211020801, 1211020803	15000119, 15000146	Infrastructure	2.059	Riverine	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 1,282,997.00	\$ -		1.41	0	789	767	3180	1	0	77	9.29	2.14								
153000063	15	Lower Rio Grande	Parker Drain Widening (Tio Cano Lake Overflow)	Parker Drain Widening (Tio Cano Lake Overflow)		Cameron	1211020806	1211020806	15000120, 15000146	Infrastructure	0.057	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 9,462,892.00			0.04	0.00	462	426	6941	0	0	2	0.00	0.00								
153000064	15	Lower Rio Grande	Main Drain Widening - switch to Parker Regional Detention Facility	Regional Detention Facility to help alleviate runoff		Cameron	1211020806	1211020806	15000120, 15000146	Infrastructure	0.026	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 4,355,820.00			0.02	0.00	462	426	6941	0	0	2	0.00	0.00								
153000065	15	Lower Rio Grande	Ovalle Lateral Connectivity	Ovalle Lateral Connectivity		Cameron	1211020806	1211020806	15000120	Infrastructure	0.005	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 1,240,405.00			0.00	0.00	462	426	6941	0	0	1	0.00	0.00								
153000066	15	Lower Rio Grande	Main Drain regional detention facility	Main Drain regional detention facility		Cameron	1211020806	1211020806	15000146	Infrastructure	0.197	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 7,125,950.00			0.15	0.00	462	426	6941	0	0	0	0.00	0.00								

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000055											0	0											Meets TWDB Requirements	
																					Yes			
153000056											0	0											Meets TWDB Requirements	
																							Yes	
153000057											0	0											Meets TWDB Requirements	
	0	1	0	0	4	0	0	0	0.27	4.40			10	50	\$4,747,963.00			0.770	No	33804	0.6	Yes		
153000058											0	0											Meets TWDB Requirements	
	0	1633	0	1609	6025	0	0	0	0.00	0.00			10	50	\$ 12,927.13			0.841	No	0	1.9	Yes		
153000059											0	0											Meets TWDB Requirements	
	0	8	0	8	20	0	0	0	0.00	0.00			10	50	\$ 935,000.00			0.874	No	0	0.5	Yes		
153000060											0	0											Meets TWDB Requirements	
	0	1633	0	1609	6025	0	0	0	0.00	0.00			10	50	\$ 10,704.23			0.841	No	0	1.9	Yes		
153000061											0	0											Meets TWDB Requirements	
																							Yes	
153000062											0	0											Meets TWDB Requirements	
	0	0	0	0	0	0	0	0	1.33	3.00			10	50	\$ -			0.871	No	11073	1.2	Yes		
153000063											0	0											Meets TWDB Requirements	
	0	418	0	418	79	0	0	0	0.00	0.00			2	25	\$ 22,638.50			0.784	No	0	0.2	Yes		
153000064											0	0											Meets TWDB Requirements	
	0	418	0	418	79	0	0	0	0.00	0.00			2	25	\$ 10,420.62			0.872	No	0	0.2	Yes		
153000065											0	0											Meets TWDB Requirements	
	0	418	0	418	79	0	0	0	0.00	0.00			2	25	\$ 2,967.48			0.784	No	0	0.2	Yes		
153000066											0	0											Meets TWDB Requirements	
	0	418	0	418	79	0	0	0	0.00	0.00			2	25	\$ 17,047.73			0.872	No	0	0.2	Yes		

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
153000067	15	Lower Rio Grande	Floodway Pump Stations (Cantu)	Floodway Pump Stations (Cantu, Main, Parker, Thompson & Adams Gardens)		Cameron	1211020806	1211020806	15000146	Infrastructure	0.156	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00				0.15	0.00	462	426	6941	0	0	0	0.00	0.00

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation							
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)																			
153000067	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61											0.872	No	0	0.2	Yes	Meets TWDB Requirements

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	County	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
153000068	15	Lower Rio Grande	Clark Road Ditch Improvements	Clark Road Ditch Improvements		Cameron	1211020806	1211020806	15000120	Infrastructure	0.008	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 1,448,260.00			0.00	0.00	462	426	6941	0	0	0	0.00	0.00	
153000069	15	Lower Rio Grande	Southwest Ditch Widening	Southwest Ditch Widening		Cameron	1211020806	1211020806	15000120	Infrastructure	0.006	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 1,172,960.00			0.01	0.00	462	426	6941	0	0	1	0.00	0.00	
153000070	15	Lower Rio Grande	North McAllen Detention Pond	The project proposes 2 detention ponds as well as extending an existing ditch further upstream to connect the two ponds. The main goal of these drainage improvements is to provide relief and remove agricultural land from the 100-year floodplain.	15000007, 15000008	Hidalgo	1211020802	1211020802	15000075	Detention	2.747	Riverine	City of McAllen	City of McAllen	Yes	\$ 52,567,984.00	\$ -		1.28	0	0	0	19	0	0	6	1.75	0.13	
153000071	15	Lower Rio Grande	Deta Regional Water Management BP 1	Regional Continuation of improvements to the 200+ acre off-line detention pond near Mile 17 North and Uncle Peters Road to mitigate flooding up and downstream of the Main Floodway channel.		Hidalgo				Infrastructure			Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$15,000,000													
153000072	15	Lower Rio Grande	Hidalgo County Precinct 1 - Floodway Pumps	Repair and replacement of pumps along the floodway at Mile 12 1/3, Mile 14 1/2 and Mile 17 1/2		Hidalgo				Infrastructure			Hidalgo County Precinct 1	Hidalgo County Precinct 1	Yes	\$5,000,000													
153000073	15	Lower Rio Grande	13th Street Regional Detention Facility	This project proposes two detention facilities, one which is approximately 46 acres located on an open field north of Briggs Coleman Rd. The second pond is located directly south of the first pond and is approximately 13 acres.	15000007, 15000008	Cameron	1211020807	1211020807	15000189	Detention	2.849	Riverine	City of Harlingen	City of Harlingen	Yes	\$ 19,812,000.00	\$ -		1.36	0	176	80	240	0	0	53	0.00	0.40	
153000074	15	Lower Rio Grande	3rd Street Regional Detention Facility	This project proposes a Regional Detention Facility of 38 acres located east of North Breedlove Rd and north of Montezuma Rd.	15000007, 15000008	Cameron	1211020807	1211020807	15000189	Detention	0.525	Riverine	City of Harlingen	City of Harlingen	No	\$ 13,092,000.00	\$ -	TWDB FIF	0.21	0	25	25	75	0	0	26	0.00	0.41	
153000075	15	Lower Rio Grande	System 32 Regional Detention Facility	System 32 Regional Detention Facility		Cameron				Infrastructure			City of Harlingen	City of Harlingen	No			TWDB FIF											
153000076	15	Lower Rio Grande	Wilson-Morgan Regional Detention Facility	A 22 acres regional detention pond is proposed.	15000007, 15000008	Cameron	1211020802 00, 1211020803 00	1211020802 1211020803	15000189	Detention	1.321	Riverine	City of Harlingen	City of Harlingen	No	\$ 8,600,000.00	\$ -	TWDB FIF	0.31	0	106	98	294	0	0	61	0.00	0.00	
153000077	15	Lower Rio Grande	Jefferson Regional Detention Facility	This project proposes a Regional Detention Facility of 33 acres located east of the intersection of N Ed Carey Dr and E Grimes Rd on an open field.	15000007, 15000008	Cameron	1211020807	1211020807	15000189	Detention	4.585	Riverine	City of Harlingen	City of Harlingen	No	\$ 13,092,000.00	\$ -	TWDB FIF	1.17	0	303	275	825	0	0	91	0.00	0.09	
153000078	15	Lower Rio Grande	West Street 10x10 Box Culvert	This project proposes a 7,500ft long 10 x10 underground system stretching from the west street and outfalls at Arroyo Colorado.	15000005, 15000006	Cameron	1211020807	1211020807	15000120, 15000189	Infrastructure	5.036	Riverine	City of Harlingen	City of Harlingen	No	\$ 19,201,000.00	\$ -	TWDB FIF	1.38	0	614	587	3522	5	0	206	0.00	0.00	
153000079	15	Lower Rio Grande	Joint Use Irrigation Canal No. 1	A total of 4100 feet of open channel with a bottom width of 20 ft, side slope of 2:1 and a depth of 10 ft is proposed along the existing irrigation canal alignment to outfall to Arroyo Colorado.	15000005, 15000006	Cameron	1211020807	1211020807	15000120, 15000189	Infrastructure	3.871	Riverine	City of Harlingen	City of Harlingen	No	\$ 13,790,000.00	\$ -	TWDB FIF	1.20	0	136	80	240	0	0	154	0.00	0.44	

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation	
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)													
153000068	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 3,464.74									Meets TWDB Requirements	
153000069	0	418	0	418	79	0	0	0	0.00	0.00	0	0	10	50	\$ 2,806.12										Meets TWDB Requirements
153000070	0	0	0	0	0	0	0	0	0.00	58.00	0	0	10	100	\$ -										Meets TWDB Requirements
153000071											0	0											No		
153000072											0	0												Meets TWDB Requirements	
153000073	0	30	0	27	90	0	0	0	0.00	0.00	0	0	10	100	\$ 660,400.00										Meets TWDB Requirements
153000074	0	8	0	8	24	0	0	0	0.00	0.00	0	0	10	100	\$ 523,680.00										Meets TWDB Requirements
153000075											0	0											No		
153000076	0	2	0	2	6	0	0	0	0.00	0.00	0	0	10	100	\$4,300,000.00										Meets TWDB Requirements
153000077	0	5	0	5	15	0	0	0	0.00	0.00	0	0	10	100	\$2,618,400.00										Meets TWDB Requirements
153000078	0	18	0	9	54	0	0	0	0.00	0.00	0	0	10	100	\$1,066,722.22										Meets TWDB Requirements
153000079	0	20	0	7	60	0	0	0	0.00	0.00	0	0	10	100	\$ 689,500.00										Meets TWDB Requirements

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associate d Goals (ID)	Counties	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergen cy Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk													
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)				
15300080	15	Lower Rio Grande	System 23 Storm Sewer Drainage Improvements	System 23 Storm Sewer Drainage Improvements		Cameron				Infrastructure			City of Harlingen	City of Harlingen	No	\$1,800,000		TWDB FIF														
15300081	15	Lower Rio Grande	System 23 Regional Detention Facility	The proposed project includes a 5 acres regional detention facility in the Harlingen Heights area.	15000007, 15000008	Cameron	1211020807	1211020807	15000189	Detention	1.036	Riverine	City of Harlingen	City of Harlingen	No	\$ 1,600,000.00	\$ -	TWDB FIF	0.41	0	528	517	1551	0	0	73	0.00	0.01				
15300082	15	Lower Rio Grande	Alt_West_107	Project includes the addition of RCP and RCB structures to improve stormwater drainage along Brian and Stewart Road.	15000005, 15000006	Hidalgo	1211020803		15000075	Detention	0.814	Riverine	City of McAllen	City of McAllen	No	\$ 18,678,150.00	\$ -	TWDB FIF	0.41	0	54	54	200	0	0	10	5.24	1.41				
15300083	15	Lower Rio Grande	Alt_RetireeHeaven_S10th	Project includes channel improvements and the addition of culverts east of W Military Highway.	15000005, 15000006	Hidalgo	1211020803		15000119	Infrastructure	1.343	Riverine	City of McAllen	City of McAllen	No	\$ 4,360,910.00	\$ -	TWDB FIF	0.82	0	63	57	200	0	0	2	0.00	0.01				
15300084	15	Lower Rio Grande	Alt_MilitaryHighway	Approximately 35 acre-feet of volume is proposed to be excavated. construction consists of 1,940 LF of 36-inch diameter pipe sloped at 0.2% along Louisiana, Kentucky, and Trospen Road out falling directly into the retention pond, 3 headwalls and approxi	15000005, 15000006	Hidalgo	1211020801	1211020801	15000119	Infrastructure	0.953	Riverine	City of McAllen	City of McAllen	No	\$ 5,096,223.00	\$ -	TWDB FIF	0.58	0	11	0	281	0	0	11	0.64	0.19				
15300085	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 1A North Main Drain and Impala Ditch	Channel, culvert road crossing, and pump station improvements on North Main Drain and Impala Ditch between International Blvd and the Impala Pump Station	15000031, 15000032	Cameron	1211020809	1211020809	15000097, 15000124	Channel	3.583	Riverine	City of Brownsville	City of Brownsville	No	\$ 46,976,000.00	\$ -	TWDB FIF	1.61	0	1275	1084	10441	4	0	175	32.18	0.00				
15300086	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 1B North Main Drain and Four Corners	Channel and culvert improvements along with one detention pond on North Main Drain between Rockwell Dr and Boca Chica Blvd	15000031, 15000032	Cameron	1211020809	1211020809	15000097, 15000124	Detention	3.066	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 33,318,000.00	\$ -	TWDB FIF	1.62	0	1384	1171	10867	4	0	170	27.82	0.00				
15300087	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 2 Cameron County Ditch 1 at Confluence	Five large detention ponds on Cameron County Ditch 1 (CCD1) between Paredes Ln and Ruben Torress Blvd along with improvements to a culvert crossing on the CCD1 tributary.	15000031, 15000034	Cameron	1211020809	1211020809	15000097	Detention	3.226	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 99,275,000.00	\$ -	TWDB FIF	2.59	0	1353	1103	5452	0	0	117	25.59	0.13				
15300088	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 3 Cameron County Ditch 1 at Cameron Park	Five extreme event storm sewer and overflow routing improvements for the Cameron Park neighborhood along Avenida Florencia.	15000031, 15000033	Cameron	1211020809	1211020809	15000097	Storm Drain	0.167	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 1,569,000.00	\$ -	TWDB FIF	0.10	0	296	290	1343	0	0	8	3.65	0.00				
15300089	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 4 Town Resaca at West 5th Street	Storm sewer improvements near Palm Blvd, W 5th Street, Ebony St, and Ramireno Ln. along with a detention pond.	15000031, 15000035	Cameron	1211020809	1211020809	15000097	Storm Drain	0.575	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 34,077,000.00	\$ -	TWDB FIF	0.18	0	574	483	2989	0	0	58	11.37	0.07				
15300090	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 5 Cameron County Ditch 1 at Golf Center	Channel and roadway crossing improvements on Cameron County Ditch 1 between Pablo Kisel Blvd and Dana Ave. Also includes improvements to a man-made lake spillway and conversion of the city-owned golf course into a multi-use detention pond.	15000031, 15000036	Cameron	1211020809	1211020809	15000097	Detention	3.092	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 45,497,000.00	\$ -	TWDB FIF	1.47	0	697	666	3190	2	0	210	44.63	0.00				
15300091	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 6 Los Fresnos at East 10th St.	Four extreme event storm sewer and overflow routing improvements on E 8th, E 9th, and E 10th streets along with a detention pond.	15000031, 15000037	Cameron	1211020809	1211020809	15000097	Storm Drain	0.157	Riverine	City of Los Fresnos	City of Los Fresnos	Yes	\$ 4,419,000.00	\$ -	TWDB FIF	0.06	0	209	206	512	0	0	9	3.24	0.00				

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation				
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)																
153000080											0	0										No						
153000081											0	0											Meets TWDB Requirements					
153000082	0	5	0	4	15	0	0	0	0.00	0.00			10	50	\$ 320,000.00							0.944	Yes	0	1.2	Yes		
153000083	54	0	0	0	0	0	0	0	2.00	76.00			10	50	\$ -								0.868	No	33804	0.1	Yes	Meets TWDB Requirements
153000084	57	0	0	0	0	0	0	0	0.00	0.00			10	100	\$ -								0.823	No	18499	0.7	Yes	Meets TWDB Requirements
153000085	0	0	0	0	0	0	0	0	0.10	13.00			10	100	\$ -								0.830	No	23864	4.4	Yes	Meets TWDB Requirements
153000086	176	131	0	116	450	0	0	0	0.00	0.00			10	10	\$ 358,600.00	0%	No	N/A					0.910	No	0	0.3	Yes	Meets TWDB Requirements
153000087	417	83	0	83	289	0	41	41	1.00	0.00			10	10	\$ 401,400.00	0%	No	N/A					0.893	No	0	0.1	Yes	Meets TWDB Requirements
153000088	834	281	0	237	1036	0	1	1	4.00	49.63			25	100	\$ 353,300.00	0%	No	N/A					0.870	No	0	0.2	Yes	Meets TWDB Requirements
153000089	149	130	0	128	655	0	0	0	0.00	0.00			10	10	\$ 12,070.00	0%	No	N/A					0.935	No	0	3.5	Yes	Meets TWDB Requirements
153000090	469	71	0	65	220	0	0	0	0.00	0.00			5	50	\$ 480,000.00	0%	No	Detention					0.933	No	0	0.7	Yes	Meets TWDB Requirements
153000091	214	399	0	390	1038	0	0	0	1.00	5.16			5	50	\$ 114,000.00	0%	No	N/A					0.729	No	0	0.2	Yes	Meets TWDB Requirements
153000091	100	92	0	92	240	0	0	0	0.00	0.06			5	50	\$ 48,000.00	0%	No	Detention					0.833	No	0	1.1	Yes	Meets TWDB Requirements

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	County	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
15300092	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 7 Cameron County Ditch 1 at Hwy 69E	Channel and roadway crossing improvements on Cameron County Ditch 1 between Laredo Rd and Pablo Kisel Blvd	15000031, 15000038	Cameron	1211020809	1211020809	15000097	Channel	1.843	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 7,691,000.00	\$ -	TWDB FIF	0.40	0	458	430	2428	0	0	56	18.85	0.27	
15300093	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 9 North Main Drain and Hwy 69E	Detention pond and storm sewer improvements on North Main Drain, west of Price Road and 69E.	15000031, 15000039	Cameron	1211020809	1211020809	15000097	Detention	2.303	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 32,468,000.00	\$ -	TWDB FIF	1.06	0	703	500	12713	5	0	111	23.86	0.00	
15300094	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 11A Los Fresnos West Ocean Blvd	Channel and culvert crossing improvements along with a detention pond near TX-100 and Orive Blvd	15000031, 15000040	Cameron	1211020809	1211020809	15000097	Comprehensive	0.715	Riverine	City of Los Fresnos	City of Los Fresnos	Yes	\$ 29,326,000.00	\$ -	TWDB FIF	0.12	0	115	87	1101	0	0	1	0.79	0.29	
15300095	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 11B Los Fresnos West Ocean Blvd	Channel and culvert crossing improvements along with a detention pond near TX-100 and Evergreen St	15000031, 15000041	Cameron	1211020809	1211020809	15000097	Comprehensive	0.256	Riverine	City of Los Fresnos	City of Los Fresnos	Yes	\$ 16,965,000.00	\$ -	TWDB FIF	0.07	0	39	23	809	0	0	10	1.96	0.00	
15300096	15	Lower Rio Grande	Port Isabel to Brownsville FIF - Project 12 Town Resaca at Washington Park	Storm sewer improvements on E Madison St, E 7th St, and E Jackson St	15000031, 15000042	Cameron	1211020809	1211020809	15000097	Storm Drain	0.160	Riverine	City of Brownsville	City of Brownsville	Yes	\$ 8,685,000.00	\$ -	TWDB FIF	0.10	0	203	166	1845	1	0	20	3.83	0.00	
15300097	15	Lower Rio Grande	Cameron County Drainage District No. 5 Enhanced Flood Warning System	Upgrade 10 existing river gauges (dual radar/ pressure trans.) & tipping bucket. Install 7 new stream gauges. 5 of the seven new would have tipping buckets and 2 would have weighing rain gauges		Cameron				Infrastructure			Cameron County Drainage District No. 5	Cameron County Drainage District No. 5	Yes	\$180,000													
15300098	15	Lower Rio Grande	Delta Storm_La Villa Improvements	Culvert improvements proposed at 28 locations along Ditch 10F2A and Ditch 2. A lateral diversion weir proposed on East Lateral approximately 0.25 miles north of FM 1925. Pond improvements. Several bank and berm improvements through project area.		Hidalgo	1211020803, 1211020804	1211020803, 1211020804	15000146	Infrastructure	15.270	Riverine	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 13,500,000.00	\$ -		9.09	4	1528	1430	4584	16	0	0	70.00	1.58	
15300099	15	Lower Rio Grande	Delta Storm_Edcouch Elsa Improvements	Ditch widening is proposed on two ditch segments: approximately 1 mile along Ditch 10F2A and approximately 2.8 miles along the Ditch 2 and 10F1. Several detention ponds are proposed on vacant properties and farmland.		Hidalgo	1211020803, 1211020804	1211020803, 1211020804	15000146	Infrastructure	16.892	Riverine	Hidalgo County Drainage District No. 1	Hidalgo County Drainage District No. 1	Yes	\$ 11,495,000.00	\$ -		9.09	4	1378	1284	4134	16	0	0	73.70	1.60	
15300100	15	Lower Rio Grande	Northeast Pharr Mitigation Project	Construct an inline Regional Detention Facility (RDF) along the Pharr-McAllen drain within the City Limits of San Juan. The pond will require a footprint of 35-acres.	15000007, 15000008	Hidalgo			15000146	Infrastructure	1.741	Riverine	City of Pharr	City of Pharr	Yes	\$ 14,357,850.00	\$ -		1.11	0	956	956	2868	0	0	126	0.00	0.28	
15300101	15	Lower Rio Grande	Olmito Townsite Flood Mitigation Project	The proposed solution for the Olmito Townsite includes the construction of 1955 linear feet of local drainage improvements, removal of the existing 42" storm drain from Broussard Street, and construction of an additional 60" reinforced concrete pipe stor	15000005, 15000006	Cameron			15000097, 15000146	Infrastructure	5.001	Riverine	Cameron County	Cameron County	Yes	\$ 4,710,993.79	\$ -		2.88	0	97	97	291	0	0	89	0.00	3.93	
15300102	15	Lower Rio Grande	Alton MDP - North Stewart Boulevard Alternative 1	Construction of and additional 6,600 LF of a single 8'x4' reinforced concrete box stoped at 0.02% from the Val Verde Acres Subdivision to Josefa Garcia Park is required in addition to the improvements currently underway from the CWSRF loan.	15000005, 15000006	Hidalgo	1211020802	1211020802	15000075, 15000146	Infrastructure	0.156	Riverine	City of Alton	City of Alton	Yes	\$ 23,275,000.00	\$ -		0.10	0	181	181	543	0	0	87	0.00	0.01	
15300103	15	Lower Rio Grande	Drain C-Right Culvert Improvements	Project includes the addition of three 72" RCP barrels to the existing structure at the railroad crossing, adjacent to Helen Moore Road.	15000005, 15000006	Cameron	1211020809		15000189	Infrastructure	1.430	Riverine	Cameron County Drainage District No. 3	Cameron County Drainage District No. 3	Yes	\$ 6,291,880.00	\$ 318,275.00		0.49	0	182	176	252	1	0	21	2.20	0.06	

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000092	152	191	0	187	883	0	0	0	0.00	2.12	0	0	5	50	\$ 40,300.00	0%	No	N/A	0.663	No	0	0.6	Yes	Meets TWDB Requirements
153000093	465	84	0	59	753	1	0	0	0.00	0.00	0	0	5	50	\$ 386,500.00	0%	No	N/A	0.896	No	0	0.2	Yes	Meets TWDB Requirements
153000094	53	60	0	40	149	0	0	0	0.00	15.00	0	0	10	50	\$ 488,800.00	0%	No	Detention	0.827	No	0	0.1	Yes	Meets TWDB Requirements
153000095	22	17	0	6	122	0	2	2	0.00	0.37	0	0	10	25	\$ 997,900.00	0%	No	Detention	0.827	No	0	0.1	Yes	Meets TWDB Requirements
153000096	144	48	0	35	627	1	0	0	0.00	0.24	0	0	10	10	\$ 180,900.00	0%	No	N/A	0.950	No	0	0.6	Yes	Meets TWDB Requirements
153000097											0	0				0%	No	N/A					No	
153000098	342	1122	0	1058	3366	0	0	0	0.00	0.00	0	0	10	50	\$ 12,032.00	0%	No	N/A	0.907	Yes	0	1.3	Yes	Meets TWDB Requirements
153000099	358	949	0	893	2847	0	0	0	0.00	0.00	0	0	10	50	\$ 12,112.00	0%	No	N/A	0.907	Yes	0	1.1	Yes	Meets TWDB Requirements
153000100	0	302	0	0	906	0	0	0	0.00	0.00	0	0	10	25	\$ 47,542.55	0%	No	N/A	0.827	No	0	0.5	Yes	Meets TWDB Requirements
153000101	0	90	0	90	270	0	0	0	0.00	0.00	0	0	10	10	\$ 52,344.38	0%	No	N/A	0.748	No	0	1.5	Yes	Meets TWDB Requirements
153000102	0	55	0	55	165	0	0	0	0.00	0.00	0	0	2	25	\$ 423,181.82	0%	No	N/A	0.904	No	0	0.0	Yes	Meets TWDB Requirements
153000103	181	1	0	0	0	0	0	0	0.00	0.07	0	0	10	100	\$6,291,880.00	0%	No	N/A	0.771	No	21505	0.5	Yes	Meets TWDB Requirements

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associate d Goals (ID)	County	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)	
153000104	15	Lower Rio Grande	Drain F-23 Culvert Improvements	Project includes replacing 48" RCP at Williams Road with a 6'x6' RCB.	15000005, 15000006	Cameron	1211020803		15000189	Infrastructure	0.140	Riverine	Cameron County Drainage District No. 3	Cameron County Drainage District No. 3	Yes	\$ 363,667.00	\$ 18,396.00		0.01	0	0	0	0	0	0	0	0	0.00	0.00
153000105	15	Lower Rio Grande	Drain D Channel Improvements	Project includes channel improvements and the replacement of culverts through Drain D, adjacent to Mayfield Road.	15000005, 15000006	Cameron	1211020807		15000189	Infrastructure	0.478	Riverine	Cameron County Drainage District No. 3	Cameron County Drainage District No. 3	Yes	\$ 3,756,840.00	\$ 190,040.00		0.04	0	86	70	210	0	0	0	0	0.00	0.10
153000106	15	Lower Rio Grande	Zacate Creek Channel Improvements	Project includes channel improvements along Zacate Creek.	15000005, 15000006	Webb	1308000207		15000084	Infrastructure	0.018	Riverine	City of Laredo	City of Laredo	Yes	\$ 700,000.00	\$ 12,049.00		0.00	0	0	0	0	0	1	3	0.25	0.00	
153000107	15	Lower Rio Grande	McAllen MDP- Study 1 Montecristo/Hoen Rd Subdivision	Channelization and Culvert Improvement on Monte Cristo	15000005, 15000006, 15000007, 15000008	Hidalgo	1211020802	1211020802	15000075	Infrastructure	0.653	Riverine	City of McAllen	City of McAllen	Yes	\$ 22,594,719.86	\$ -		0.08	0	274	261	606	0	0	22	3.79	1.20	
153000108	15	Lower Rio Grande	McAllen MDP - Study 2 Shary Rd & 6MI Intersection	Channel improvements to WMDIII along with Culvert improvements on Shary Rd and Taylor Rd	15000005, 15000006	Hidalgo	1211020802	1211020802	15000075	Infrastructure	0.133	Riverine	City of McAllen	City of McAllen	Yes	\$ 9,474,979.87	\$ -		0.00	0	12	12	32	0	0	5	2.32	1.21	
153000109	15	Lower Rio Grande	McAllen MDP- Study 3 SH107 East	Two detention ponds north of SH107 and West of N 29th St	15000005, 15000006, 15000007, 15000008	Hidalgo	1211020802	1211020802	15000075	Detention	0.865	Riverine	City of McAllen	City of McAllen	Yes	\$ 15,456,191.83	\$ -		0.08	0	49	34	149	0	0	23	5.62	0.73	
153000110	15	Lower Rio Grande	McAllen MDP - Study 4 Bentsen Rd	Two overflow routing improvements for Bentsen Rd via two roadside ditches and two channels	15000005, 15000006, 15000007, 15000008	Hidalgo	1211020802	1211020802	15000146	Infrastructure	0.722	Riverine	City of McAllen	City of McAllen	Yes	\$ 2,896,781.34	\$ -		0.02	0	217	213	501	0	0	47	4.86	1.29	
153000111	15	Lower Rio Grande	Drain J01	The Drain J01 FMP aims to replace the present 24fç RCP with 48fç RCP to divert. The 36fç RCP will be removed/plugged	15000005, 15000006	Hidalgo			15000096	Infrastructure	4.338	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 603,663.00	\$ -		1.19	0	40	40	120	0	0	107	0	1.44	
153000112	15	Lower Rio Grande	2023 Bond Project 24 - F-13 F02	This project is approximately 4.7 miles of channel improvements includes widening ditches F-13 and F-02 within existing right of way, from Hwy 281 to Floodway Levee.	15000005, 15000006	Hidalgo	1211020806	1211020806	15000120	Infrastructure	1.684	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 1,460,000.00	\$ -		0.67	0	91	85	85	0	0	19	0	1.23	
153000113	15	Lower Rio Grande	2018 Bond Project 34 South Lateral	This project proposes three detention pond on the both side of East Las Milpas Rd. The proposed project also includes channel widening. The project cost is approximately \$4,538,852 which resulted in a benefit cost ratio of 0.5.	15000007, 15000008	Hidalgo	1211020806	1211020806	15000119	Infrastructure	2.386	Riverine	Hidalgo County Drainage District #1	Hidalgo County Drainage District #1	Yes	\$ 4,538,852.00	\$ -		1.38	0	174	162	486	0	0	120	0	0.45	
153000114	15	Lower Rio Grande	Downtown Pharr Alternative	The proposed improvements include channel widening, benching, clearing, longitudinal grading and will require limited grading outside of the existing R.O.W.	15000005, 15000006	Hidalgo	1211020801	1211020801	15000119, 15000146	Detention	1.118	Riverine	City of Pharr	City of Pharr	Yes	\$ 22,210,000.00	\$ -		0.49	0	797	669	3447	1	0	109	0	0.00	
153000115	15	Lower Rio Grande	Floodway Pump Stations (Main)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	1211020806	1211020806	15000146	Infrastructure	0.164	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00	\$ -		0.16	0.00	462	426	6941	0	0	1	0.104	0.10	

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000104	0	0	0	0	0	0	0	0	0.00	0.00	0	0	10	100	\$ -	0%	No	N/A	0.630	No	0	8.3	Yes	Meets TWDB Requirements
153000105	0	30	0	30	90	0	0	0	0.00	0.00	0	0	10	25	\$ 125,228.00	0%	No	N/A	0.794	No	0	3.2	Yes	Meets TWDB Requirements
153000106	0	0	0	0	0	0	0	0	0.25	0.00	0	0	25	100	\$ -	0%	No	N/A	0.882	No	3417	0.7	Yes	Meets TWDB Requirements
153000107	0	8	0	7	15	0	0	0	0.00	0.00	0	0	25	100	\$ 2,824,339.98	0%	No	N/A	0.838	No	0	0.1	Yes	Meets TWDB Requirements
153000108	0	1	0	1	4	0	0	0	0.00	0.00	0	0	25	100	\$ 9,474,979.87	0%	No	N/A	0.906	No	0	0.0	Yes	Meets TWDB Requirements
153000109	0	0	0	0	0	0	0	0	0.00	0.00	0	0	10	50	\$ -	0%	No	N/A	0.750	No	0	0.0	Yes	Meets TWDB Requirements
153000110	0	5	0	5	22	0	0	0	0.00	0.00	0	0	10	50	\$ 579,356.27	0%	No	N/A	0.744	No	0	0.1	Yes	Meets TWDB Requirements
153000111	0	27	0	27	81	0	0	0	0.00	0.00	0	0	10	100	\$ 22,357.89	0%	No	N/A	0.867	No	0	1.3	Yes	Meets TWDB Requirements
153000112	0	12	0	12	36	0	0	0	0.00	0.00	0	0	10	100	\$ 121,666.67	0%	No	N/A	0.791	No	0	0.3	Yes	Meets TWDB Requirements
153000113	0	79	0	72	216	0	0	0	0.00	0.00	0	0	10	100	\$ 57,453.82	0%	No	N/A	0.833	No	0	0.5	Yes	Meets TWDB Requirements
153000114	0	323	0	258	1498	0	0	0	0.00	0.00	0	0	10	100	\$ 68,761.61	0%	No	N/A	0.859	No	0	0.8	Yes	Meets TWDB Requirements
153000115	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

FMP ID	RFPG No.	RFPG Name	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	HUC 10s	Watershed Name	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Reoccurring Noncapital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at 100-year flood risk	Estimated Population at 100-year flood risk	Critical facilities at 100-year flood risk (#)	Number of low water crossings at flood risk (#)	Estimated number of road closures (#)	Estimated length of roads at 100-year flood risk (Miles)	Estimated farm & ranch land at 100-year flood risk (acres)
153000116	15	Lower Rio Grande	Floodway Pump Stations (Parker)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	1211020806	1211020806	15000146	Infrastructure	0.213	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00	\$ -		0.15	0.00	462	426	6941	0	0	0	0	0.00
153000117	15	Lower Rio Grande	Floodway Pump Stations (Thompson)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	1211020806	1211020806	15000146	Infrastructure	0.141	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00	\$ -		0.14	0.00	462	426	6941	0	0	0	0	0.00
153000118	15	Lower Rio Grande	Floodway Pump Stations (Adams Gardens)	The proposed project will involve upgrading five outfalls into the North Floodway with the addition to the construction of new pump stations.	15000005, 15000006	Cameron	1211020806	1211020806	15000146	Infrastructure	0.142	Riverine	Cameron County Drainage District No. 6	Cameron County Drainage District No. 6	Yes	\$ 2,360,700.00	\$ -		0.09	0.00	462	426	6941	0	0	0	0	0.00

TABLE 16: FLOOD MITIGATION PROJECTS RECOMMENDED BY RFPG

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 (Y/N)	Negative Impact Mitigation (Y/N)	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Traffic Count for Low Water Crossings	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
	Number of structures with reduced 100yr (1% annual chance) Flood risk	Number of structures removed from 100yr (1% annual chance) Flood risk	Number of structures removed from 500yr (0.2% annual chance) Flood risk	Residential structures removed from 100yr (1% annual chance) Flood risk	Estimated 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 (#)	Estimated reduction in road closure occurrences	Estimated length of roads removed from 100yr flood risk (Miles)	Estimated farm & ranch land removed from 100yr flood risk (acres)	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)												
153000116	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements
153000117	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements
153000118	0	418	0	418	79	0	0	0	0.00	0.00	0	0	2	25	\$ 5,647.61	0%	No	N/A	0.872	No	0	0.2	Yes	Meets TWDB Requirements

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Reoccurring, Non-capital Cost (\$)	Potential Funding Sources and Amount	Flood Risk										
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)	
152000001	15	Lower Rio Grande	Bayview Action #19	Upgrade the Town's website to include local information on hazards, risks, mitigation, protective actions, and applicable ordinances	15,000009, 15000010, 15000013, 15000014, 15000015, 15000016	Cameron	13090001,13090001	130900011112, 130900011502		Flood Measurement and Warning	0.012671326	Urban	City of Bayview	City of Bayview	Yes	\$50,000.00	\$50,000.00	HMGP; Local funding	0.001453	0.005273	1	0	1	0	0	0	0	0	0.634044
152000002	15	Lower Rio Grande	Bayview Action #7	Approve and Adopt FEMA Flood Insurance Rate Maps	15000019, 15000020	Cameron	13090001	130900011502		Regulatory and Guidance	0.074249372	Urban	City of Bayview	City of Bayview	Yes	\$10,000.00	\$10,000.00	Local Funding	0.074249	0	97	81	377	0	11	0	1	0	
152000003	15	Lower Rio Grande	Bayview Action #8	Develop cooperative agreement with state and county to address flood risk to roadways leading in and out of town – outside of jurisdictional boundaries	15000005, 15000006	Cameron	13090001	130900011109		Regulatory and Guidance	0.892332315	Urban	City of Bayview	City of Bayview	Yes	\$10,000.00	\$10,000.00	Local Funding	0.391792	0.108971	629	463	2519	0	104	0	8	8.477512	
152000004	15	Lower Rio Grande	Bayview Action #9	Participate in the National Flood Insurance Program	15000023, 15000024	Cameron	13090001,13090001,13090001,13090001,13090001,13090001	130900011108, 130900011110, 130900011110, 130900011110, 130900011112, 130900011502		Regulatory and Guidance	18.82202339	Urban	City of Bayview	City of Bayview	Yes	\$10,000.00	\$10,000.00	Local Funding	10.36201	0.958352	1233	802	5035	0	371	0	33	2352.044	
152000005	15	Lower Rio Grande	Indian Lake Action #2	Educate property owners about residential mitigation measures for all natural hazards such as the need to elevate structures, implementing residential mitigation measures, install retaining walls, and avoid building in high hazard areas	15000037, 15000038	Cameron	12110208, 12110208, 12110208	121102080800, 121102080900, 121102081000		Education and Outreach	1.626649141	Urban	City of Bayview	City of Bayview	Yes	\$75,000.00	\$50,000.00	General Fund; HMGP	0.497113	1.129536	1162	1099	2130	0	60	0	14	17.08773	
152000006	15	Lower Rio Grande	Brownsville PUB Action #8	Develop program to annually remove buildup of silt in area Resacas that become cutoff from the river and contribute to flooding during severe flood or hurricane event	15000005, 15000006	Cameron	12110208	121102080500		Regulatory and Guidance	0.089481339	Urban	City of Brownsville	City of Brownsville	Yes	\$1,000,000.00	\$50,000.00	grants	0.020311	0.024697	5	0	0	0	0	0	0	12.71971	
152000007	15	Lower Rio Grande	City of Brownsville Action #2	Join the Community Rating System program to reduce risk and flood insurance premiums to residents	15000027, 15000028	Cameron	12110208	121102080900		Regulatory and Guidance	0.234644055	Urban	City of Brownsville	City of Brownsville	Yes	\$25,000.00	\$25,000.00	Local Revenue, Storm water fee	0.083372	0.142706	469	357	4213	0	68	0	7	0.619981	
152000008	15	Lower Rio Grande	Indian Lake Action #11	Adopt revised floodplain ordinance to include model ordinance language and higher NFIP standards such as freeboard	15000025, 15000026	Cameron	12110208	121102080400		Regulatory and Guidance	0.021494532	Urban	City of Indian Lakes	City of Indian Lakes	Yes	\$50,000.00	\$50,000.00	General Fund; HMGP	0.005	0.000551	3	0	20	0	4	0	0	0	
152000009	15	Lower Rio Grande	Indian Lake Action #9	Prepare and advertise local evacuation plan and procedures	15000013, 15000014	Cameron	12110208	121102080600		Education and Outreach	0.375326008	Urban	City of Indian Lakes	City of Indian Lakes	Yes	\$50,000.00	\$25,000.00	General Fund; HMGP; FEMA AFG	0.027863	0.18717	248	202	811	0	46	0	4	31.26997	
152000010	15	Lower Rio Grande	Port Isabel Action #10	Prepare local evacuation plan	15000013, 15000014	Cameron	12110208	121102080900		Education and Outreach	0.18873705	Urban	City of Port Isabel	City of Port Isabel	Yes	\$250,000.00	\$25,000.00	HMGP; General Fund; AFG	0.037327	0.082803	207	196	535	0	3	0	3	24.49793	
152000011	15	Lower Rio Grande	Port Isabel Action #11	Update floodplain management ordinances to include higher standards required to join the CRS program; Join the CRS program upon adoption of ordinance	15000025, 15000026, 15000027, 15000038	Cameron	12110208	121102080900		Regulatory and Guidance	3.449975252	Urban	City of Port Isabel	City of Port Isabel	Yes	\$50,000.00	\$50,000.00	HMGP; General Funds	2.288785	0.791204	0	0	0	0	0	0	0	50.21274	
152000012	15	Lower Rio Grande	Port Isabel Action #12	Adopt NFIP model ordinance with higher floodplain standards	15000025, 15000026	Cameron	12110208	121102080900		Regulatory and Guidance	1.707446694	Urban	City of Port Isabel	City of Port Isabel	Yes	\$10,000.00	\$10,000.00	HMGP; General Funds	1.520692	0.093637	0	0	0	0	0	0	0	13.69369	
152000013	15	Lower Rio Grande	Port Isabel Action #21	Develop a plan to use the internet and social media to warn citizens of disasters and extreme weather on a regular basis as well as how to prepare for such events and mitigate damages	15000013, 15000014	Cameron	12110208	121102081000		Flood Measurement and Warning	1.195634127	Urban	City of Port Isabel	City of Port Isabel	Yes	\$75,000.00	\$50,000.00	HMGP; General Funds	0.83194	0.317679	1189	979	3379	0	126	0	18	16.59007	
152000014	15	Lower Rio Grande	Port Isabel Action #25	Develop an early warning system for residents to notify of natural disasters	15000009, 15000010	Cameron	12110208, 12110208	121102080400, 121102080500		Flood Measurement and Warning	4.480122089	Urban	City of Port Isabel	City of Port Isabel	Yes	\$450,000.00	\$100,000.00	HMGP; General Funds	2.693991	1.467944	808	513	2189	0	99	0	22	1987.492	
152000015	15	Lower Rio Grande	Primera Action #1	Amend subdivision ordinances to require retention or detention ponds in any new subdivision	15000025, 15000026	Cameron	12110208, 12110208	121102080800, 121102080900		Regulatory and Guidance	6.451003075	Urban	City of Port Isabel	City of Port Isabel	Yes	\$10,000.00	\$10,000.00	Local Funds	1.528077	1.547502	93	70	287	0	0	0	4	1068.813	
152000016	15	Lower Rio Grande	Primera Action #10	Adopt higher floodplain standards such as freeboard and cumulative substantial damage	15000025, 15000026	Cameron	12110208, 12110208	121102080800, 121102080900		Regulatory and Guidance	6.451003075	Urban	City of Primera	City of Primera	Yes	\$50,000.00	\$50,000.00	Local Funds; HMGP	1.528077	1.547502	93	70	287	0	0	0	4	1068.813	
152000017	15	Lower Rio Grande	Primera Action #8	Develop an early warning system to new areas of the jurisdiction to alert residents of impending severe weather	15000009, 15000010	Cameron	12110208, 12110208	121102080800, 121102080900		Flood Measurement and Warning	6.451003075	Urban	City of Primera	City of Primera	Yes	\$350,000.00	\$100,000.00	Local Funds; HMGP	1.528077	1.547502	93	70	287	0	0	0	4	1068.813	
152000018	15	Lower Rio Grande	Rancho Viejo Action #3	Adopt the International Building Code (IBC) and International Residential Code (IRC); revise and update regulatory floodplain maps; adopt higher standards in floodplain ordinances including freeboard, no-rise in the floodplain, cumulative substantial damage, etc.	15000025, 15000026	Cameron	12110208, 12110208	121102080800, 121102080900		Regulatory and Guidance	6.451003075	Urban	City of Primera	City of Primera	Yes	\$120,000.00	\$100,000.00	Local Funds; HMGP	1.528077	1.547502	93	70	287	0	0	0	4	1068.813	
152000019	15	Lower Rio Grande	Rancho Viejo Action #11	Update website with maps and information including StormReady data and links; Mail educational brochures to residents in hazard-prone areas on mitigation measures to reduce damages	15000009, 15000010, 15000015, 15000016	Cameron	12110208, 12110208	121102080100, 121102080300		Education and Outreach	7.535053253	Urban	City of Ranch Viejo	City of Ranch Viejo	Yes	\$150,000.00	\$100,000.00	Local Funds; HMGP	4.01821	1.363752	4822	3640	14357	4	0	0	71	936.8444	
152000020	15	Lower Rio Grande	Rio Hondo Action #4	Adopt ASCE24-05 Flood Resistant Design and Construction to reduce flooding caused by Storm Surge	15000025, 15000026	Cameron	12110208, 12110208	121102080100, 121102080300		Regulatory and Guidance	7.535053253	Urban	City of Ranch Viejo	City of Ranch Viejo	Yes	\$10,000.00	\$10,000.00	USDA; City Funds; HMGP	4.01821	1.363752	4822	3640	14357	4	0	0	71	936.8444	
152000021	15	Lower Rio Grande	San Benito Action #13	Adopt higher standards into the flood damage prevention ordinance to limit floodplain development and provide higher protection to structures in the floodplain	15000025, 15000026	Cameron	12110208, 12110208	121102080100, 121102080300		Regulatory and Guidance	7.535053253	Urban	City of San Benito	City of San Benito	Yes	\$50,000.00	\$50,000.00	CDBG; EDC; Pre-Disaster Mitigation Grant Program	4.01821	1.363752	4822	3640	14357	4	0	0	71	936.8444	
152000022	15	Lower Rio Grande	South Padre Island #13	Adopt higher floodplain standards in local floodplain ordinance	15000025, 15000026	Cameron	12110208, 12110208, 13090002, 13090002	121102080800, 121102080900, 130900020403, 130900020501		Regulatory and Guidance	145.6308441	Urban	City of South Padre Island	City of South Padre Island	Yes	\$50,000.00	\$50,000.00	HMGP; Local Funds	65.60249	58.20746	38734	34207	157388	12	0	0	618	16275.91	
152000023	15	Lower Rio Grande	South Padre Island #3	Adoption erosion control ordinance and prohibit development in high-hazard areas	15000025, 15000026	Cameron	12110208, 12110208, 13090002, 13090002	121102080800, 121102080900, 130900020403, 130900020501		Regulatory and Guidance	145.6308441	Urban	City of South Padre Island	City of South Padre Island	Yes	\$15,000.00	\$10,000.00	HMGP; Local Funds	65.60249	58.20746	38734	34207	157388	12	0	0	618	16275.91	

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	Reduction in Flood Risk													Cost/ Structure removed	Consider ation of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMSs, FMPs	RFPG Recommen dation (Y/N)	Reason for Recommendation
	Number of structure s with reduced from 100yr (1% annual	Number of structure s removed from 100yr (1% annual	Number of structure s removed from 500yr	Residenti al structure s removed from 100yr (1% annual	Estimate d Populatio n removed from 100yr (1% annual	Critical facilities removed from 100yr (1% annual chance)	Number of low water crossings removed from 100yr (1% annual	Estimated reduction in road closure occurren ces	Estimated length of roads removed from 100yr flood risk	Estimated active farm & ranch land removed from	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Estimated reduction in injuries (if available)								
152000001	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000002	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000003	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000004	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000005	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000006	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000007	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000008	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000009	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000010	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000011	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000012	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000013	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000014	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000015	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000016	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000017	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000018	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000019	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000020	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000021	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000022	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000023	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	Reduction in Flood Risk													Cost/ Structure removed	Consideration of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMSs, FMPs	RFPG Recommen- dation (Y/N)	Reason for Recommendation
	Number of structure s with reduced 100yr (1% annual	Number of structure s removed from 100yr (1% annual	Number of structure s removed from 500yr	Residenti- al structure s removed from 100yr (1% annual	Estimated Populatio n removed from 100yr (1% annual	Critical facilities removed from 100yr (1% annual chance)	Number of low water crossings removed from 100yr (1% annual	Estimated reduction in road closure occurren- ces	Estimated length of roads removed from 100yr flood risk	Estimated active farm & ranch land removed from	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Estimated reduction in fatalities (if available)								
15200024	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200025	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200026	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200027	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200028	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200029	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200030	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200031	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200032	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200033	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Reoccurring, Non-capital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)
152000034	15	Lower Rio Grande	Hidalgo County #12-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110207, 12110208, 12110208, 12110208, 2110208, 12110208, 12110200, 13090001, 13090001, 13090001, 13090001, 13090002, 13090002, 13090002, 13090002	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080500, 121102080600, 130900011701, 130900011702, 130900011703, 130900011704, 130900011705, 130900011706, 130900020300, 130900020305, 130900020311, 130900020401	Hidalgo County	Hidalgo County	Yes	\$150,000.00	\$50,000.00	FEMA, Department Budget	707.1	217.647	167224	135738	569558	62	16	0	3065	338729				
152000035	15	Lower Rio Grande	Hidalgo County #14-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Hidalgo	12110207, 12110208, 12110208, 12110208, 2110208, 12110208, 12110200, 13090001, 13090001, 13090001, 13090001, 13090002, 13090002, 13090002, 13090002	121102070100, 121102080100, 121102080200, 121102080300, 121102080400, 121102080500, 121102080600, 130900011701, 130900011702, 130900011703, 130900011704, 130900011705, 130900011706, 130900020300, 130900020305, 130900020311, 130900020401	Hidalgo County	Hidalgo County	Yes	\$150,000.00	\$50,000.00	Department Budget	707.1	217.647	167224	135738	569558	62	16	0	3065	338729				
152000036	15	Lower Rio Grande	Hidalgo County #2-2.1	Incorporate Assessments of Hazards, Including Hurricane, Flood, Wild Land Fires, And Severe Storms, Into Site Selection And Design For New Buildings And When Siting Or Leasing County Facilities	15000019, 15000020	Hidalgo	12110208	121102080900	Hidalgo County	Hidalgo County	Yes	\$25,000.00	\$25,000.00	Annual Dept. Budget	0.089655	0.080044	238	227	599	0	0	0	3	26.74667				
152000037	15	Lower Rio Grande	Hidalgo County #3-1.2	Enhance The Appropriate Websites To Provide Convenient Access To Most Current Hazard Maps.	15000013, 15000014, 15000037, 15000038	Hidalgo	12110208	121102080900	Hidalgo County	Hidalgo County	Yes	\$50,000.00	\$50,000.00	Annual Dept. Budget And External Funding	0.089655	0.080044	238	227	599	0	0	0	3	26.74667				
152000038	15	Lower Rio Grande	La Villa #6-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110208	121102080900	City of La Villa	City of La Villa	Yes	\$150,000.00	\$50,000.00	N/A	0.089655	0.080044	238	227	599	0	0	0	3	26.74667				
152000039	15	Lower Rio Grande	La Villa #8-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Hidalgo	12110208	121102080300	City of La Villa	City of La Villa	Yes	\$150,000.00	\$50,000.00	Jurisdiction Budget	0.470584	0.122489	509	423	1881	2	0	0	7	117.6406				
152000040	15	Lower Rio Grande	McAllen #11-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110208	121102080300	City of McAllen	City of McAllen	Yes	\$150,000.00	\$50,000.00	Jurisdiction Budget	0.470584	0.122489	509	423	1881	2	0	0	7	117.6406				
152000041	15	Lower Rio Grande	McAllen #1-2.1	Develop Emergency Notification Awareness System For Traveling Public Via Transportation System In The Event Of Severe Weather In McAllen	15000013, 15000014	Hidalgo	12110208, 12110208, 12110208, 12110208, 3090002	121102080100, 121102080200, 121102080300, 121102080400, 130900020305	City of McAllen	City of McAllen	Yes	\$500,000.00	\$100,000.00	Grants, Matching City Funds	31.94615	15.60686	26851	22997	132724	12	0	0	468	11587.71				
152000042	15	Lower Rio Grande	McAllen #1-2.1	Develop a plan to provide A Means of Disseminating Emergency Information To The Citizens of McAllen	15000013, 15000014	Hidalgo	12110208, 12110208, 12110208, 12110208, 3090002	121102080100, 121102080200, 121102080300, 121102080400, 130900020305	City of McAllen	City of McAllen	Yes	\$500,000.00	\$100,000.00	Grants, Matching City Funds	31.94615	15.60686	26851	22997	132724	12	0	0	468	11587.71				
152000043	15	Lower Rio Grande	Mercedes #11-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Hidalgo	12110208, 12110208, 12110208, 12110208, 3090002	121102080100, 121102080200, 121102080300, 121102080400, 130900020305	City of Mercedes	City of Mercedes	Yes	\$150,000.00	\$50,000.00	Jurisdiction Budget	31.94615	15.60686	26851	22997	132724	12	0	0	468	11587.71				
152000044	15	Lower Rio Grande	Mercedes #9-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110208, 12110208, 12110208, 12110208, 08	121102080100, 121102080300, 121102080600	City of Mercedes	City of Mercedes	Yes	\$150,000.00	\$50,000.00	Jurisdiction Budget	4.379955	4.640687	4021	2866	13565	1	0	0	77	2751.87				
152000045	15	Lower Rio Grande	Mission #1-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Hidalgo	12110208, 12110208, 12110208, 08	121102080100, 121102080300, 121102080600	City of Mission	City of Mission	Yes	\$150,000.00	\$50,000.00	City of Mission	4.379955	4.640687	4021	2866	13565	1	0	0	77	2751.87				
152000046	15	Lower Rio Grande	Mission #7-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110208, 12110208, 12110208, 13090002, 13090002	121102080100, 121102080200, 121102080300, 130900020301, 130900020305	City of Mission	City of Mission	Yes	\$150,000.00	\$50,000.00	City of Mission	11.05999	17.45277	19515	16701	63919	6	0	0	301	6277.855				
152000047	15	Lower Rio Grande	Palmview #5-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110208, 12110208, 12110208, 13090002, 13090002	121102080100, 121102080200, 121102080300, 130900020301, 130900020305	City of Palmview	City of Palmview	Yes	\$150,000.00	\$50,000.00	N/A	11.05999	17.45277	19515	16701	63919	6	0	0	301	6277.855				

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	Reduction in Flood Risk													Cost/ Structure removed	Consider ation of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMSs, FMPs	RFPG Recommen dation (Y/N)	Reason for Recommendation
	Number of structure s with reduced 100yr (1% annual	Number of structure s removed from 100yr (1%	Number of structure s removed from 500yr	Residenti al structure s removed from 100yr (1%	Estimate d Populatio n removed from 100yr (1% annual	Critical facilities removed from 100yr (1% annual chance)	Number of low water crossings removed from 100yr (1%	Estimated reduction in road closure occurre nces	Estimated length of roads removed from 100yr flood risk	Estimated active farm & ranch land removed from	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Estimated reduction in injuries (if available)								
15200034	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200035	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200036	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200037	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200038	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200039	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200040	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200041	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200042	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200043	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200044	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200045	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200046	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
15200047	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUCs		Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Reoccurring, Non-capital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
							HUC12s	HUC12s											Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)
152000048	15	Lower Rio Grande	Palmview #7-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Hidalgo	12110208, 12110208	121102080100, 121102080200, 121102080300		Flood Measurement and Warning	7.638263702	Urban	City of Palmview	City of Palmview	Yes	\$150,000.00	\$50,000.00	Jurisdiction Budget	1.875288	3.586625	3774	3069	11496	4	0	0	55	506.7186
152000049	15	Lower Rio Grande	Pharr #10-1.1	Develop Procedures For Mass Notifications To Citizens And Merchants During Natural Hazard Incident.	15000013, 15000014	Hidalgo	12110208, 12110208	121102080100, 121102080200, 121102080300		Flood Measurement and Warning	7.638263702	Urban	City of Pharr	City of Pharr	Yes	\$150,000.00	\$50,000.00	Jurisdiction Budget	1.875288	3.586625	3774	3069	11496	4	0	0	55	506.7186
152000050	15	Lower Rio Grande	Pharr #8-1.1	Develop a Program To Provide Links To Weather Alerts And Departmental Phone Listings With Contact Personnel For Residents.	15000013, 15000014	Hidalgo	12110208, 12110208, 13090002	121102080100, 121102080300, 130900020311		Flood Measurement and Warning	23.73670006	Urban	City of Pharr	City of Pharr	Yes	\$150,000.00	\$50,000.00	Jurisdiction Budget	8.941612	9.611355	16963	13949	62907	2	0	0	198	3349.109
152000051	15	Lower Rio Grande	Alamo # 4-1.2	Develop a plan to Provide Traffic Control And Evacuation Assistance During Emergency Situations	15000005, 15000006	Hidalgo	12110208, 12110208, 13090002	121102080100, 121102080300, 130900020311		Flood Measurement and Warning	23.73670006	Urban	City of Alamo	City of Alamo	Yes	\$400,000.00	\$150,000.00	Identify Grants; Police Department Budget	8.941612	9.611355	16963	13949	62907	2	0	0	198	3349.109
152000052	15	Lower Rio Grande	Starr County Hazard Mitigation Plan Action #2	Develop needs assessment to identify and fund improvements to flood proof critical facilities such as lift stations and treatment plants.	15000003, 15000005	Starr	12110208, 12110208	121102080900, 121102081000		Infrastructure Projects	10.65231037	Local	Starr County	Starr County	Yes	\$20,000,000.00	\$500,000.00	Local, HMGP, FIF	6.928959	2.748734	1736	1235	5912	1	0	0	25	85.98628
152000053	15	Lower Rio Grande	Starr County Hazard Mitigation Plan Action #6	Building a shelter within a community to serve for flood situations in Rio Grande City.	15000005, 15000006	Starr	12110208, 12110208	121102080900, 121102081000		Infrastructure Projects	10.65231037	Local	Starr County	Starr County	Yes	\$10,000,000.00	\$500,000.00	Local, HMGP, FIF	6.928959	2.748734	1736	1235	5912	1	0	0	25	85.98628
152000054	15	Lower Rio Grande	Starr County Hazard Mitigation Plan Action #10 (Roma)	Retrofit community center as shelter for flooding events.	15000005, 15000006	Starr	12110208, 12110208	121102080900, 121102081000		Infrastructure Projects	10.65231037	Local	Starr County	Starr County	Yes	\$2,000,000.00	\$200,000.00	Local, HMGP, FIF	6.928959	2.748734	1736	1235	5912	1	0	0	25	85.98628
152000055	15	Lower Rio Grande	Starr County Hazard Mitigation Plan Action #19	Develop maintenance schedule for creeks within jurisdiction	15000021, 15000022	Starr	12110208, 12110208	121102080900, 121102081000		Regulatory and Guidance	10.65231037	Local	Starr County	Starr County	Yes	\$50,000.00	\$50,000.00	Local, HMGP, FIF	6.928959	2.748734	1736	1235	5912	1	0	0	25	85.98628
152000056	15	Lower Rio Grande	City of Laguna Vista - Laguna Vista Establish/Join Drainage District	Develop strategy to secure funding to become/join drainage district	15000039, 15000040	Cameron	12110208, 12110208	121102080900, 121102081000		Other	10.65231037	Local	City of Laguna Vista	City of Laguna Vista	Yes	\$100,000.00	\$50,000.00	Local, HMGP, FIF	6.928959	2.748734	1736	1235	5912	1	0	0	25	85.98628
152000057	15	Lower Rio Grande	Willacy County Drainage District - Re-negotiate El Sauz contractual agreement	Re-negotiate agreement with El Sauz Ranch to facilitate more outfall volume	15000007, 15000008, 15000039	Willacy	12110208	121102080700		Other	2.792071342	Local	Willacy County Drainage District	Willacy County Drainage District	Yes	\$500,000.00	\$25,000.00	Local, HMGP, FIF	0.960304	0.843965	947	867	3020	0	0	0	12	605.4903
152000058	15	Lower Rio Grande	Cameron County Drainage District No. 5 - Cameron County Levee Certification	Coordinate with all on-going FIFs in Cameron County, provide a summary analysis for internal drainage and submit Levee Certification to FEMA. Utilize IBWC data for application. Manage review process and coordinate between County, IBWC, and FEMA.	15000021, 15000022	Cameron	12110208	121102080700		Other	2.792071342	Local	Cameron County Drainage District No. 5	Cameron County Drainage District No. 5	Yes	\$250,000.00	\$250,000.00	Local, HMGP, FIF	0.960304	0.843965	947	867	3020	0	0	0	12	605.4903
152000059	15	Lower Rio Grande	Sewer Manhole Rainguards	Installation of rainguards in existing manholes will keep rainwater from entering sewer collection system.	15000001, 15000002	Hidalgo	12110208	121102080700		Infrastructure Projects	2.792071342	Local	City of Edcouch	City of Edcouch	Yes	\$200,000.00	\$50,000.00	Local, HMGP, FIF	0.960304	0.843965	947	867	3020	0	0	0	12	605.4903
152000060	15	Lower Rio Grande	City of Progreso - Progreso Storm Ditch improvement Equipment	Develop maintenance plan and identify funding strategy to acquire heavy equipment (dozer, long reach excavator) for ditch cleaning operations	15000021, 15000022	Hidalgo	12110208	121102080900		Other	2.316816807	Local	City of Progreso	City of Progreso	Yes	\$50,000.00	\$50,000.00	Local, HMGP, FIF	0.714336	0.994548	633	609	1980	0	0	0	10	228.2784
152000061	15	Lower Rio Grande	City of Indian Lake - Indian lake Drainage Infrastructure Funding Study	Develop Plan for funding for future drainage infrastructure	15000021, 15000022	Cameron	12110208	121102080900		Other	2.316816807	Local	City of Indian Lake	City of Indian Lake	Yes	\$250,000.00	\$25,000.00	Local, HMGP, FIF	0.714336	0.994548	633	609	1980	0	0	0	10	228.2784
152000062	15	Lower Rio Grande	Cameron County Drainage District No.1 - San Martin Lake dredging	Develop plan to fund and dredge lake to increase storage capacity	15000021, 15000022	Cameron	12110208	121102080700		Infrastructure Projects	1.820673466	Local	Cameron County Drainage District No.1	Cameron County Drainage District No.1	Yes	\$1,200,000.00	\$120,000.00	Local, HMGP, FIF	0.324498	1.437756	874	661	3926	0	0	0	15	398.5192
152000063	15	Lower Rio Grande	Cameron County Drainage District No.1 - Ditch 1 outfall dredging	Develop plan to fund and dredge sediment from outfall in Bahia Grande (in Navigation dist/port of Brownsville)	15000021, 15000022	Cameron	12110208, 12110208, 12110208	121102080600, 121102080700, 121102080800, 121102080900		Infrastructure Projects	16.18906021	Local	Cameron County Drainage District No.1	Cameron County Drainage District No.1	Yes	\$720,000.00	\$120,000.00	Local, HMGP, FIF	6.862006	3.857114	5217	3999	15207	3	0	0	98	3046.169
152000064	15	Lower Rio Grande	City of South Padre Island - SPI Sand Dune restoration/protection program	Establish Beach Protection/replenishing program. Build up dunes to protect against tidal surge	15000021, 15000022	Cameron	12110208, 12110208	121102081000, 121102081100		Infrastructure Projects	2.976470947	Local	City of South Padre Island	City of South Padre Island	Yes	\$500,000.00	\$80,000.00	Local, HMGP, FIF	2.368294	0.538521	1847	1442	5905	2	0	0	35	23.87188
152000065	15	Lower Rio Grande	Willacy County Drainage District No.1 - WCDD1 pump station improvements	Perform assessment of pump station to make it flood proof and resilient.	15000021, 15000022	Willacy	12110208, 12110208	121102081000, 121102081100		Infrastructure Projects	2.976470947	Local	Willacy County Drainage District	Willacy County Drainage District	Yes	\$2,100,000.00	\$180,000.00	Local, HMGP, FIF	2.368294	0.538521	1847	1442	5905	2	0	0	35	23.87188
152000066	15	Lower Rio Grande	City of Harlingen - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	121102080600, 121102080700, 121102080900	15000097, 15000120, 15000189	Flood Measurement and Warning	40.76350021	Local	City of Harlingen	City of Harlingen	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	13.85953	16.75123	17519	13543	73788	14	0	0	327	6829.924
152000067	15	Lower Rio Grande	City of Edinburg - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080600	15000120	Flood Measurement and Warning	4.418529987	Local	City of Edinburg	City of Edinburg	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	1.327148	1.283905	1411	1162	3148	0	0	0	28	703.1506
152000068	15	Lower Rio Grande	City of La Villa - planning, operation & maintenance	Develop and Implement a planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080800, 121102080900	15000097, 15000121	Flood Measurement and Warning	4.304609776	Local	City of La Villa	City of La Villa	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	1.375592	1.713796	1659	1311	7463	3	0	4	27	566.6146
152000069	15	Lower Rio Grande	City of Mission - planning, operation & maintenance	Develop and Implement a planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080700	15000189	Flood Measurement and Warning	2.787149906	Local	City of Mission	City of Mission	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	0.958081	0.838877	945	867	3019	0	0	0	12	604.2894
152000070	15	Lower Rio Grande	City of Primera - planning, operation & maintenance	Develop and Implement a planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	121102080100, 121102080300	15000119, 15000146	Flood Measurement and Warning	7.537519932	Local	City of Primera	City of Primera	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	4.017845	1.365078	4823	3641	14358	4	0	0	71	935.9384
152000071	15	Lower Rio Grande	City of La Feria - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	121102080300	15000146	Flood Measurement and Warning	2.093980074	Local	City of La Feria	City of La Feria	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	0.697416	0.868651	1733	1351	6973	0	0	0	24	157.2348

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	Reduction in Flood Risk													Cost/ Structure removed	Consideration of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMSs, FMPs	RFPG Recommen- dation (Y/N)	Reason for Recommendation
	Number of structure s with reduced 100yr (1% annual	Number of structure s removed from 100yr (1% annual	Number of structure s removed from 500yr	Residenti- al structure s removed from 100yr (1%	Estimated Populatio- n removed from 100yr (1% annual	Critical facilities removed from 100yr (1% annual	Number of low water crossings removed from 100yr (1%	Estimated reduction in road closure occurren- ces	Estimated length of roads removed from 100yr flood risk	Estimated active farm & ranch land removed from	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)									
152000048	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000049	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000050	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000051	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000052	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000053	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000054	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000055	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000056	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000057	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000058	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000059	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000060	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000061	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000062	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000063	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000064	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000065	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000066	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000067	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000068	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000069	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000070	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000071	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Reoccurring, Non-capital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)
152000072	15	Lower Rio Grande	City of La Joya - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208, 13090001, 13090002	121102080100, 121102080200, 130900011705, 130900020301	15000075, 15000094, 15000119, 15000124	Flood Measurement and Warning	4.396930218	Local	City of La Joya	City of La Joya	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	0.922856	0.274989	210	172	503	0	0	0	5	358.89
152000073	15	Lower Rio Grande	City of Los Fresnos - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	121102080100, 121102080300, 121102080600	15000119, 15000120, 15000146	Flood Measurement and Warning	11.90509987	Local	City of Los Fresnos	City of Los Fresnos	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	4.381065	4.638056	4021	2869	13568	1	0	0	77	2751.163
152000074	15	Lower Rio Grande	City of Mercedes - Planning, operation & maintenance	Develop and Implement a planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080100, 121102080200, 121102080300	15000075, 15000119, 15000146	Flood Measurement and Warning	7.637239933	Local	City of Mercedes	City of Mercedes	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	1.874829	3.585517	3778	3068	11495	4	0	0	55	506.5029
152000075	15	Lower Rio Grande	City of Palmhurst - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080100, 121102080300	15000119, 15000146	Flood Measurement and Warning	16.50989914	Local	City of Palmhurst	City of Palmhurst	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	6.990338	3.818542	8435	6295	40076	3	0	0	148	1823.82
152000076	15	Lower Rio Grande	City of Palmview - Planning, operation & maintenance	Develop and Implement a planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080100, 121102080300	15000119, 15000146	Flood Measurement and Warning	8.332400322	Local	City of Palmview	City of Palmview	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	4.547455	1.552227	3455	2165	15682	6	0	0	61	1935.242
152000077	15	Lower Rio Grande	City of San Benito - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	121102080200, 121102080300	15000075, 15000146	Flood Measurement and Warning	4.460669994	Local	City of San Benito	City of San Benito	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	0.914375	0.41626	246	169	879	0	0	0	4	456.6326
152000078	15	Lower Rio Grande	City of San Juan - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208, 13090002	121102080800, 121102080900, 130900020501, 130900020403	15000097, 15000121, 15000124	Flood Measurement and Warning	145.6459961	Local	City of San Juan	City of San Juan	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	65.60698	58.2178	38722	34207	157389	6	0	479	620	16278.69
152000079	15	Lower Rio Grande	City of Weslaco - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080600, 121102080700, 121102080800, 121102080900	15000097, 15000120, 15000121, 15000189	Flood Measurement and Warning	16.19149971	Local	City of Weslaco	City of Weslaco	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	6.865479	3.857885	5217	3999	15210	3	0	50	99	3047.296
152000080	15	Lower Rio Grande	City of Alamo - Planning, operation & maintenance	Develop and Implement a planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080300, 121102080700	15000146, 15000189	Flood Measurement and Warning	3.248950005	Local	City of Alamo	City of Alamo	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	1.514484	0.88016	928	736	2347	2	0	14	14	845.448
152000081	15	Lower Rio Grande	City of Alton - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080200, 121102080300, 121102080400	15000075, 15000096, 15000146	Flood Measurement and Warning	44.91749954	Local	City of Alton	City of Alton	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	24.45401	5.372286	16984	14415	89218	13	1	0	287	5997.096
152000082	15	Lower Rio Grande	City of Brownsville - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208, 13090002	121102080100, 121102080200, 121102080300, 130900020305, 130900020301	15000075, 15000119, 15000121, 15000146	Flood Measurement and Warning	36.47990036	Local	City of Brownsville	City of Brownsville	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	11.06125	17.45284	19516	16701	63925	6	0	0	301	6278.497
152000083	15	Lower Rio Grande	Cameron County - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	121102080100, 121102080300	15000119, 15000146	Flood Measurement and Warning	11.68350029	Local	Cameron County	Cameron County	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	4.334647	3.166141	6407	5795	24358	2	0	0	94	1610.652
152000084	15	Lower Rio Grande	City of Combes - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Cameron	12110208	121102080200, 121102080300	15000075, 15000146	Flood Measurement and Warning	7.335030079	Local	City of Combes	City of Combes	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	3.589094	0.516558	3163	2709	9859	0	0	0	43	1060.606
152000085	15	Lower Rio Grande	City of Donna - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208	121102080300	15000146	Flood Measurement and Warning	0.598278999	Local	City of Donna	City of Donna	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	0.471171	0.122286	508	423	1880	2	0	0	7	118.4224

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	Reduction in Flood Risk													Cost/ Structure removed	Consideration of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMSs, FMPs	RFPG Recommen- dation (Y/N)	Reason for Recommendation
	Number of structure s with reduced 100yr (1% annual	Number of structure s removed from 100yr (1% annual	Number of structure s removed from 500yr	Residenti- al structure s removed from 100yr (1% annual	Estimated Populatio- n removed from 100yr (1% annual	Critical facilities removed from 100yr (1% annual chance)	Number of low water crossings removed from 100yr (1% annual	Estimated reduction in road closure occurre- nces	Estimated length of roads removed from 100yr flood risk	Estimated active farm & ranch land removed from	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Estimated reduction in injuries (if available)								
152000072	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000073	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000074	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000075	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000076	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000077	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000078	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000079	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000080	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000081	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000082	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000083	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000084	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	
152000085	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	RFPG No.	RFPG Name	FMS Name	Description	Associated Goals (ID)	Counties	HUC8s	HUC12s	Watershed Name	Project Type	Strategy Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Non-Reoccurring, Non-capital Cost (\$)	Potential Funding Sources and Amount	Flood Risk									
																			Area in 100yr (1% annual chance) Floodplain	Area in 500yr (0.2% annual chance) Floodplain	Estimated number of structures at 100yr flood risk	Residential structures at flood risk	Estimated Population at flood risk	Critical facilities at 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)
152000086	15	Lower Rio Grande	City of Elsa - Flood Warning System, planning, operation & maintenance	Develop and Implement a Flood Warning System, planning, operation & Maintenance plan	15000021, 15000022	Hidalgo	12110208, 13090002	121102080300 121102080500 121102080600 121102080700 121102080800 121102080900 121102081000 130900020501 130900020403 130900020401 130900020504 121102081100	15000097, 15000120, 15000121, 15000122, 15000123, 15000124, 15000146, 15000189	Flood Measurement and Warning	1172.609985	Local	City of Elsa	City of Elsa	Yes	\$5,000,000.00	\$600,000.00	Local, HMGP, FIF	479.0028	340.2001	96099	80721	310632	34	2	1741	1956	212333.8

TABLE 17: FLOOD MANAGEMENT STRATEGIES RECOMMENDED BY RFPG

FMS ID	Reduction in Flood Risk													Cost/ Structure removed	Consideration of Nature- based Solution (Y/N)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	Water Supply Benefit (Y/N)	Associated FMEs, FMSs, FMPs	RFPG Recommen- dation (Y/N)	Reason for Recommendation
	Number of structure s with reduced 100yr (1% annual	Number of structure s removed from 100yr (1%	Number of structure s removed from 500yr	Residenti- al structure s removed from 100yr (1%	Estimated Populatio n removed from 100yr (1% annual	Critical facilities removed from 100yr (1% annual chance)	Number of low water crossings removed from 100yr (1%	Estimated reduction in road closure occurren- ces	Estimated length of roads removed from 100yr flood risk	Estimated active farm & ranch land removed from	Estimated reduction in fatalities (if available)	Estimated reduction in injuries (if available)	Estimated reduction in injuries (if available)								
152000086	0	0	0	0	0	0	0	0	0	0	0	0	0	No	No	No	No	No	Yes	Strategy complies with the RFPG & TWDB criteria for FMSs.	

Table 18: Lower Rio Grande Region Previous Floodplain Studies and Models

Table 18: Lower Rio Grande Region Previous Floodplain Studies and Models (§361.13(e)(2))

Study Name	Study Description	RFPG Number	RFPG Name	Counties	Municipalities	HUC8s	HUC10s	HUC12s	Watersheds	Study Sponsor (FEMA, TWDB, USACE, County, City, Developer, etc.)	Study Completion Date	Study Conditions (Existing, Future, Both)	Flood Risk Type (Riverine, Coastal, Urban/Local, Playa, etc.)	Annual Probability Studied (10%, 4%, 2%, 1%, 0.2%)	Hydrology Models Available (Yes, Presumed Yes, Presumed No, No, Unknown)	Hydraulic Models Available (Yes, Presumed Yes, Presumed No, No, Unknown)	How Study used in RFP (Mapping, Validation, Considered but not used, FMP, FMS, FME, etc.)	FEMA Status (FIS, FIS in Progress, Completed, LOMC, LOMC in Progress, LOMC to be Pursued, Local Only)
Cameron County Drainage District #5	Master Drainage Study	15	Lower Rio Grande	Cameron	Harlingen, La Feria					TWDB, Cameron County Drainage District #5	2019	Existing, Future	Riverine	1%, 0.2%	No	No	FMP	Local only
South Padre Island Phase 1 Storm Drainage Master Plan	Master Drainage Plan	15	Lower Rio Grande	Cameron	South Padre Island					South Padre Island	2018	Existing	Coastal	N/A	No	No	Considered but not used	Local only
Cameron County Storm Drainage Study Final Report	County wide study	15	Lower Rio Grande	Cameron	La Feria, Harlingen, Primera, Combes, Los Indios, Rangerville					Economic Development Administration	2010	Existing, Future	Riverine	0.01	No	No	Considered but not used	Local only
City of Harlingen Master Drainage Plan	Master Drainage Study	15	Lower Rio Grande	Cameron	Harlingen					Harlingen	2008	Existing, Future	Riverine, Urban/Local	20%, 4%	No	No	FMP	Local only
Cameron County Drainage District #3 Flood Protection Plan	Flood Protection Study of District	15	Lower Rio Grande	Cameron	San Benito, Los Indios					TWDB	2010	Existing, Future	Riverine	50%, 20%, 10%, 4%, 1%	No	No	FMPs	Local only
Cameron County Drainage District #5 Flood Protection Plan	Flood Protection Study of District	15	Lower Rio Grande	Cameron	Harlingen, Primera, Palm Valley, Combes					TWDB	2008	Existing, Future	Riverine	50%, 20%, 10%, 4%, 1%	No	No	Considered but not used	Local only
Stormwater Drainage Planning, The Colonias of the Lower Rio Grande Valley (LRGV)	Plannign Study	15	Lower Rio Grande	Cameron, Hidalgo, Willacy	Various					TWDB	2016	Existing, Future	Riverine, Urban/Local	10%, 4%, 1%	Yes	Yes	Mapping, FMPs	Local only
Hidalgo County Precinct 4 Master Drainage Study	Master Drainage Study	15	Lower Rio Grande	Hidalgo	Edinburg, McAllen					Hidalgo County Precinct 4	2021	Existing, Future	Riverine	10%, 4%, 2%, 1%	Yes	Yes	Mapping, FMPs	Local only
Pharr Master Drainage Plan	Master Drainage Study	15	Lower Rio Grande	Hidalgo	Pharr					Pharr	2020	Existing, Future	Riverine, Urban/Local	10%, 2%, 1%, 0.2%	Yes	Yes	Mapping, FMPs	Local only
City of Mission Comprehensive Storm Drainage Assessment	Master Drainage Study	15	Lower Rio Grande	Hidalgo	Mission					Mission	2020	Existing, Future	Riverine, Urban/Local	Existing- 10%, 1%; Future- 4%, 2%	No	No	FMP	Local only
Weslaco Storm Water Improvement Plan	Master Drainage Study	15	Lower Rio Grande	Hidalgo	Weslaco					Weslaco	2019	Existing, Future	Riverine, Urban/Local	10%, 2%, 1%	Yes	Yes	Mapping, FMPs	Local only
Hidalgo County Precinct 1 Drainage Assessment	Drainage Assessment of Precinct 1 after 2018 Storm	15	Lower Rio Grande	Hidalgo	Mercedes, Weslaco, Progreso, La Villa, Edcouch Elsa, Donna, Alamo					Hidalgo County Drainage District No. 1	2018	Existing, Future	Riverine	4%, 1%	Yes	Yes	Mapping, FMPs	Local only
Alton Master Drainage Plan	Master Drainage Study	15	Lower Rio Grande	Hidalgo	Alton					TWDB, Alton	2018	Existing, Future	Riverine, Urban/Local	10%, 4%, 1%	Yes	Yes	Mapping, FMPs	Local only
Alamo Lateral Hydraulic Study Draft	Hydraulic Study	15	Lower Rio Grande	Hidalgo	Alamo					Hidalgo County Drainage District No. 1	2017	Existing	Riverine	4%, 1%	No	No	Considered but not used	Local only
IBTC/ SH365 Hydrologic Study	H&H Study for future Highway	15	Lower Rio Grande	Hidalgo	Hidalgo, Pharr, San Juan, Alamo, Donna					Hidalgo County Regional Mobility Authority	2016	Existing, Future	Riverine	0.01	No	No	Considered	Local only
South Pharr Las Milpas Lateral Drainage Study	preliminary engineering study/ needs assessment	15	Lower Rio Grande	Hidalgo	Pharr					Hidalgo County Drainage District No. 1	2015	Existing, Future	Riverine, Urban/Local	4%, 1%	No	No	Considered but not used	Local only
Preliminary SH68 Hydrologic Study Segment D, Preliminary Draft	Preliminary Hydraulic Study for roadway	15	Lower Rio Grande	Hidalgo	Pharr, Edinburg					Hidalgo County Drainage District No. 1	2015	Existing, Future	Riverine	2%, 1%	No	No	Considered but not used	Local only
FM 676- Drainage Outfall Project From SSH107 - East to Taylor Rd.	Drainage Outfall Feasibility Report	15	Lower Rio Grande	Hidalgo	Mission					Hidalgo County Drainage District No. 1	2015	Existing, Future	Riverine	4%, 1%	No	No	Considered but not used	Local only
City of Edinburg Master Drainage Plan	Master Drainage Plan	15	Lower Rio Grande	Hidalgo	Edinburg					TWDB	2015	Existing, Future	Riverine, Urban/Local	10%, 4%, 1%	Yes	Yes	Mapping, FMPs	Local only
Mission Inlet Recertification Project Existing Conditions	H&H Study for Recertification of Mission Inlet	15	Lower Rio Grande	Hidalgo	Mission, Palmhurst, McAllen					Hidalgo County Drainage District No. 1	2014	Existing	Riverine	0.01	No	No	Considered but not used	Local only

Table 18: Lower Rio Grande Region Previous Floodplain Studies and Models

Study Name	Study Description	RFGP Number	RFGP Name	Counties	Municipalities	HUC8s	HUC10s	HUC12s	Watersheds	Study Sponsor (FEMA, TWDB, USACE, County, City, Developer, etc.)	Study Completion Date	Study Conditions (Existing, Future, Both)	Flood Risk Type (Riverine, Coastal, Urban/Local, Playa, etc.)	Annual Probability Studied (10%, 4%, 2%, 1%, 0.2%)	Hydrology Models Available (Yes, Presumed Yes, Presumed No, No, Unknown)	Hydraulic Models Available (Yes, Presumed Yes, Presumed No, No, Unknown)	How Study used in RFP (Mapping, Validation, Considered but not used, FMP, FMS, FME, etc.)	FEMA Status (FIS, FIS in Progress, Completed LOMC, LOMC in Progress, LOMC to be Pursued, Local Only)
La Joya Watershed Improvement Project, Penitas Basin	Preliminary Engineering report and H&H study	15	Lower Rio Grande	Hidalgo	La Joya					Hidalgo County Drainage District No. 1	2014	Existing, Future	Riverine, Urban/Local	0.01	No	No	Considered but not used	Local only
Hydrologic & Hydraulic Study of the Pharr-McAllen South Drain	H&H study	15	Lower Rio Grande	Hidalgo	Pharr					Hidalgo County Drainage District No. 1	2014	Existing, Future	Riverine, Urban/Local	10%, 4%, 2%, 1%, 0.2%	No	No	Considered but not used	Local only
Spanish Palms Subdivision Outfall Improvemtns	Engineering Report	15	Lower Rio Grande	Hidalgo	Weslaco					Hidalgo County Drainage District No. 1	2013	Existing, Future	Riverine	0.2	No	No	Considered but not used	Local only
San Juan Storm Drainage Master Plan	Master Drainage Plan	15	Lower Rio Grande	Hidalgo	San Juan					San Juan	2010	Existing	Riverine, Urban/Local	10%, 1%	No	No	FMPs	Local only
J-09 Channel, North Main Drain to CR 3601	Feasibility Study, Techncial Memo	15	Lower Rio Grande	Hidalgo	Edinburg					Hidalgo County Drainage District No. 1	2009	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
East Lateral Preliminary Engineering Report Draft	Engineering Report	15	Lower Rio Grande	Hidalgo	Edcouch, La Villa					Hidalgo County Drainage District No. 1	2008	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
North Weslaco Outfall, FM1015 to IBWC Floodway	H&H Technical Memo	15	Lower Rio Grande	Hidalgo	Weslaco					Hidalgo County Drainage District No. 1	2008	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Preliminary Engineering Report Alamo Drain to Expressway Drain	Preliminary Engineering Report for new lateral ditch	15	Lower Rio Grande	Hidalgo	Alamo					Hidalgo County Drainage District No. 1	2007	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Jackson Drain Preliminary Engineering Report	Engineering Report	15	Lower Rio Grande	Hidalgo	Hidalgo					Hidalgo County Drainage District No. 1	2007	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Monte Cristo Outfall, Edinburg to South Main Drain	Preliminary Engineering Report	15	Lower Rio Grande	Hidalgo	Edinburg					Hidalgo County Drainage District No. 1	2007	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
South Fork Lateral Dainage Report	Engineering Report	15	Lower Rio Grande	Hidalgo	San Juan					Hidalgo County Drainage District No. 1	2006	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Hydrologic/Hydraulic Analysis Lateral Z-00-00 Bus-83 Outfall	H&H study	15	Lower Rio Grande	Hidalgo	Palmview, Mission					Hidalgo County Drainage District No. 1	2005	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Master Drainage System Phase II Flood Protection Plan for Precincts 1 & 4	Preliminary Drainage Study	15	Lower Rio Grande	Hidalgo	Edinburg, McAllen, Pharr, Weslaco, Edcouch, Elsa, La Villa, Donna, Merceded, Alamo					Hidalgo County Drainage District No. 1	2004	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Alamo Expressway Drain Ditch US Expressway 83 to IBWC Floodway Channel Engineering Report	H&H model of channel	15	Lower Rio Grande	Hidalgo	Alamo					Hidalgo County Drainage District No. 1	2002	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Request for Letter of Map Revision East Lateral Drain	LOMR Request	15	Lower Rio Grande	Hidalgo	La Villa					Hidalgo County Drainage District No. 1	2001	Existing, Future	Riverine	10%, 2%, 1%, 0.2%	No	No	Considered but not used	
Bentsen Palms Master Drainge Study	H&H model of channel	15	Lower Rio Grande	Hidalgo	Mission					Hidalgo County Drainage District No. 1	1999	Existing, Future	Riverine	10%, 4%, 2%, 1%	No	No	Considered but not used	Local only
La Villa Outfall, Preliminary Report	Preliminary Engineering Report	15	Lower Rio Grande	Hidalgo	La Villa					Hidalgo County Drainage District No. 1	2007	Existing, Future	Riverine	0.04	No	No	Considered but not used	Local only
Ditch 023, US 83 in Mercedes, Texas to Arroyo Colorado	Preliminary Engineering Report	15	Lower Rio Grande	Hidalgo, Cameron	Mercedes, La Feria					Hidalgo County Drainage District No. 1	2016	Existing, Future	Riverine	0.095	No	No	Considered but not used	Local only
Eagle Pass Drainage Master Plan	Master Drainage Study	15	Lower Rio Grande	Maverick	Eagle Pass					Eagle Pass	2020	Existing, Future	Riverine, Urban/Local	10%, 4%, 1%	Yes	Yes	Mapping, FMPs	Local only

Table 19: Lower Rio Grande Region Funding Survey

Table 19: Lower Rio Grande Region Funding Survey

RFPG #	Sponsor Entity Name	FMS or FMP or FME	FMS FMP FME - Name	Regional plan's unique FMS/FMP/FME identification number	Target year of full implementation	Estimated costs in plan			Estimated percent (share) of total FMS, FMP, or FME estimated cost			
						Non-construction costs	Construction-related costs	Total estimated cost	Sponsor Funding		Other Funding Needed (including state, federal and/ or other funding)	TOTAL (auto) sum must = 100%
									ANTICIPATED SOURCE of Sponsor funding (e.g., taxes; general revenue; dedicated revenue incl. fees)	FUNDING TO BE FINANCED BY SPONSOR (incl. those local, county, or regional mechanisms available but not yet fully utilized)		
15	Rio Grande City	FME	Rio Grande City	15200002	2025			\$ 250,000	taxes	50%	50%	100%
15	Indian Lake	FMS	Indian Lake Action #11	15200008	2020			\$ 500	Budget, grant	50%	50%	100%
15	Brooks County	FME	Brooks County	151000001	2025			\$ 250,000	taxes	100%	0%	100%
15	Bayview	FME	Bayview Action # 6	151000002	2020			\$ 369,600	USDA, grant, taxes	50%	50%	100%
15	Indian Lake	FME	Indian Lake Action #1	151000007	2020			\$ 92,400	budget, grant	50%	50%	100%
15	Indian Lake	FME	Indian Lake Action #12	151000008	2021			\$ 184,800	budget, grant	50%	50%	100%
15	Indian Lake	FME	Indian Lake Action #17	151000009	2021			\$ 9,240	budget, grant	50%	50%	100%
15	Indian Lake	FME	Indian Lake Action #18	151000010	2020			\$ 27,720	budget, grant	50%	50%	100%
15	Rio Hondo	FME	Rio Hondo Action #4	151000020	2023			\$ 2,000,000	taxes	50%	50%	100%
15	Los Fresnos	FME	Los Fresnos Action #13	151000024	2020			\$ 1,848,000	Grant, budget, fees	50%	50%	100%
15	Los Fresnos	FME	Port Isabel Action #19	151000027	2020			\$ 554,400	Grant, budget	50%	50%	100%
15	Los Fresnos	FME	Port Isabel Action #22	151000028	2020			\$ 1,108,800	Grant, budget	50%	50%	100%
15	Primera	FME	Primera Action #2	151000029	2020			\$ 92,400	Budget, CC Drainage District	50%	50%	100%
15	South Padre Island	FME	South Padre Island Action #6	151000030	2020			\$ 1,848,000	Grants	50%	50%	100%
15	Dimmit County	FME	Dimmit County	151000031	2025			\$ 250,000	taxes	50%	50%	100%
15	Edwards County	FME	Edwards County	151000032	2025			\$ 250,000	taxes	50%	50%	100%
15	Sullivan City	FME	Sullivan City	151000059	2025			\$ 250,000	taxes	50%	50%	100%
15	Jim Hogg County	FME	Jim Hogg County	151000082	2025			\$ 250,000	taxes	50%	50%	100%
15	Kenedy County	FME	Kenedy County	151000083	2025			\$ 250,000	taxes	50%	50%	100%
15	Fort Clark MUD	FME	Fort Clark MUD	151000084	2025			\$ 250,000	taxes	50%	50%	100%
15	Kinney County	FME	Kinney County	151000085	2025			\$ 250,000	taxes	50%	50%	100%
15	Starr County	FME	Starr County	151000097	2025			\$ 250,000	taxes	50%	50%	100%
15	Starr County	FME	Starr County Drainage District	151000098	2025			\$ 250,000	taxes	50%	50%	100%
15	Roma	FME	Roma	151000100	2025			\$ 250,000	taxes	50%	50%	100%
15	Escobares	FME	Escobares	151000101	2025			\$ 250,000	taxes	50%	50%	100%
15	Starr County	FME	RGV Public Works, Escobares City and Starr Public Works Roadway Improvements	151000103	2025			\$ 528,000	taxes	50%	50%	100%
15	Val Verde County	FME	Val Verde County	151000124	2025			\$ 500,000	taxes	50%	50%	100%
15	Webb County Drainage District #1	FME	Webb County Drainage District #1	151000125	2025			\$ 1,000,000	taxes	50%	50%	100%
15	Rio Bravo	FME	Rio Bravo	151000127	2020			\$ 250,000	taxes	50%	50%	100%
15	El Cenizo	FME	El Cenizo	151000128	2025			\$ 250,000	taxes	50%	50%	100%

Table 19: Lower Rio Grande Region Funding Survey

15	Laredo	FME	City of Laredo Project 6	151000130	2025		\$ 330,000	taxes	50%	50%	100%
15	Webb County	FME	Webb County	151000131	2025		\$ 1,000,000	taxes	50%	50%	100%
15	Zapata County	FME	Zapata County	151000132	2025		\$ 250,000	taxes	50%	50%	100%
15	San Ygnacio	FME	San Ygnacio MUD	151000133	2025		\$ 1,000,000	taxes	50%	50%	100%
15	Alton	FMP	Alton MDP- West Mile 5 Road and Louisiana Street Alternative 2	152000001	2025		\$ 2,152,656	taxes,fees	75%	25%	100%
15	Bayview	FMS	Bayview Action # 19	152000001	2020		\$ 10,000	grant, taxes	50%	50%	100%
15	Alton	FMP	FM 676 South Glasscock Road Alternative 3	152000002	2025		\$ 387,288	taxes	50%	50%	100%
15	Bayview	FMS	Bayview Action # 7	152000002	2021		\$ 1,000	taxes	50%	50%	100%
15	Alton	FMP	North Inspiration Road and West St. Jude Avenue Alternative 2	152000003	2025		\$ 2,817,936	taxes	50%	50%	100%
15	Bayview	FMS	Bayview Action # 8	152000003	2020		\$ 10,000	taxes	50%	50%	100%
15	Alton	FMP	North Stewart Boulevard Alternative 2	152000004	2025		\$ 8,338,572	taxes,fees	50%	50%	100%
15	Bayview	FMS	Bayview Action # 9	152000004	2020		\$ 2,000	taxes	50%	50%	100%
15	Alton	FMP	South Stewart Boulevard Alternative 2A	152000005	2025		\$ 6,296,400	taxes,fees	50%	50%	100%
15	Indian Lake	FMS	Indian Lake Action #2	152000005	2022		\$ 500	budget, grant	50%	50%	100%
15	Alton	FMP	West Mile 5 and South Glasscock Road Alternative 3	152000006	2025		\$ 1,663,200	taxes,fees	50%	50%	100%
15	Weslaco	FMP	Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	152000007	2025		\$ 1,585,584	taxes	50%	50%	100%
15	Weslaco	FMP	Downtown Pharr Mitigation Project	152000008	2024		\$ 45,241,092	taxes	50%	50%	100%
15	Indian Lake	FMS	Indian Lake Action #9	152000009	2021		\$ 500	FEMA,budget, grant	50%	50%	100%
15	Weslaco	FMP	North Pharr Backwater Relief Project	152000009	2024		\$ 1,628,000	taxes	50%	50%	100%
15	Weslaco	FMP	North Pharr Culvert Improvements	152000010	2024		\$ 869,000	taxes	50%	50%	100%
15	Port Isabel	FMS	Port Isabel Action #10	152000010	2024		\$ 1,000	Budget	50%	50%	100%
15	Port Isabel	FMP	North Pharr Mitigation Project	152000011	2024		\$ 8,195,000	taxes	50%	50%	100%
15	Port Isabel	FMS	Port Isabel Action #11	152000011	2023		\$ 31,000	Budget	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #10	152000012	2020		\$ 924,000	HMGP, taxes, grants, fees	75%	25%	100%
15	Laguna Vista	FMP	Southwest Pharr Drainage Mitigation Project	152000012	2024		\$ 5,587,275	taxes	50%	50%	100%
15	Port Isabel	FMS	Port Isabel Action #12	152000012	2020		\$ 500	Budget	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #11	152000013	2020		\$ 92,400	HMGP, taxes, grants, fees	75%	25%	100%
15	Pharr	FMP	San Juan Regional Detention Facility	152000013	2024		\$ 5,148,000	taxes	50%	50%	100%
15	Port Isabel	FMS	Port Isabel Action #21	152000013	2020		\$ 500	Budget	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #12	152000014	2020		\$ 92,400	HMGP, taxes, grants, fees	75%	25%	100%
15	Port Isabel	FMS	Port Isabel Action #25	152000014	2021		\$ 100,000	Budget	50%	50%	100%
15	Weslaco	FMP	Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street	152000014	2025		\$ 4,775,000	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #19	152000015	2020		\$ 18,480	HMGP, taxes, grants, fees	75%	25%	100%
15	Primera	FMS	Primera Action #1	152000015	2020		\$ 5,000	Budget	50%	50%	100%
15	Weslaco	FMP	Weslaco Stormwater Improvement Plan - Mile 10 N & Mile 5 1/2 W	152000015	2025		\$ 4,441,008	taxes	50%	50%	100%
15	Primera	FMS	Primera Action #10	152000016	2020		\$ 5,000	Budget	50%	50%	100%

Table 19: Lower Rio Grande Region Funding Survey

15	Weslaco	FMP	Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	152000016	2025		\$ 93,808	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #3	152000017	2020		\$ 924,000	HMGP, taxes, grants, fees	75%	25%	100%
15	Primera	FMS	Primera Action #8	152000017	2020		\$ 75,000	Budget	50%	50%	100%
15	Weslaco	FMP	Weslaco Stormwater Improvement Plan - Texas Boulevard to Airport Drive, South of Business 83	152000017	2025		\$ 43,984,512	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #4	152000018	2020		\$ 924,000	HMGP, taxes, grants, fees	75%	25%	100%
15	Rancho Viejo	FMS	Rancho Viejo Action #3	152000018	2020		\$ 5,000	HMGP	50%	50%	100%
15	Weslaco	FMP	Weslaco Stormwater Improvement Plan - West Weslaco	152000018	2025		\$ 37,305,840	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #5	152000019	2020		\$ 924,000	HMGP, taxes, grants, fees	75%	25%	100%
15	Rancho Viejo	FMS	Rancho Viejo Action #11	152000019	2020		\$ 5,000	HMGP	50%	50%	100%
15	Weslaco	FMP	Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	152000019	2025		\$ 11,099,088	taxes	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area A at Mile 8.5 Rd & Ware Rd.	152000020	2025		\$ 19,899,000	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #6	152000020	2020		\$ 369,600	HMGP, taxes, grants, fees	75%	25%	100%
15	Hidalgo County DD1	FMP	Risk Area B at Mile 6 & North Ware Rd.	152000021	2025		\$ 27,175,500	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #7	152000021	2020		\$ 369,600	HMGP, taxes, grants, fees	75%	25%	100%
15	San Benito	FMS	San Benito Action #13	152000021	2022		\$ 10,000	Grant , funds	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area C at FM 2812 & FM 493	152000022	2025		\$ 57,887,000	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #8	152000022	2020		\$ 369,600	HMGP, taxes, grants, fees	75%	25%	100%
15	South Padre Island	FMS	South Padre Island Action #13	152000022	2023		\$ 5,000	Grant , funds	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area D at S. McColl & Canton Rd.	152000023	2025		\$ 6,358,000	taxes	50%	50%	100%
15	Laguna Vista	FME	Laguna Vista Action #9	152000023	2020		\$ 554,400	HMGP, taxes, grants, fees	75%	25%	100%
15	South Padre Island	FMS	South Padre Island Action #3	152000023	2020		\$ 5,000	Grant , funds	50%	50%	100%
15	Alamo	FMS	Alamo #4-1.1	152000024	2025		\$ 1,000	grants, budget	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area E at Hwy 107 & Val Verde Rd.	152000024	2025		\$ 4,983,000	taxes	50%	50%	100%
15	Alamo	FMS	Alamo #5-1.1	152000025	2025		\$ 2,000	budget	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area F at Texas Rd & Cesar Chavez Rd.	152000025	2025		\$ 7,920,000	taxes	50%	50%	100%
15	Edcouch	FMS	Edcouch #3-1.1	152000026	2025		\$ 5,000	FEMA	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area G Hoehn Rd & Mile 11	152000026	2025		\$ 6,061,000	taxes	50%	50%	100%
15	Edcouch	FMS	Edcouch #5-1.1	152000027	2025		\$ 2,000	Budget	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area I at Sharp Rd. & E. Monte Cristo Rd.	152000027	2025		\$ 5,995,000	taxes	50%	50%	100%
15	Edcouch	FMS	Edcouch #7-1.1	152000028	2025		\$ 25,000	Budget	50%	50%	100%
15	Hidalgo County DD1	FMP	Risk Area J SH 107 & FM 907	152000028	2025		\$ 3,608,000	taxes	50%	50%	100%
15	Eagle Pass	FMP	Area 11 Rancho Escondido	152000029	2025		\$ 911,900	taxes	50%	50%	100%
15	Edinburg	FMS	Edinburg #1-1.2	152000029	2025		\$ 250,000	State, taxes, Federal	25%	75%	100%
15	Eagle Pass	FMP	Area 12 Fox Borough Drive	152000030	2025		\$ 1,185,800	taxes	50%	50%	100%
15	Eagle Pass	FMS	Edinburg #7-1.1	152000030	2025		\$ 1,000	Budget	50%	50%	100%
15	Eagle Pass	FMP	Area 13 Celle De Los Santos neighborhood	152000031	2025		\$ 181,500	taxes	50%	50%	100%

Table 19: Lower Rio Grande Region Funding Survey

15	Eagle Pass	FMS	Edinburg #9-1.2	152000031	2025		\$ 31,000	Budget	50%	50%	100%
15	Eagle Pass	FMP	Area 15 Trib 3 Detention at Main Street	152000032	2025		\$ 828,300	taxes	50%	50%	100%
15	Hidalgo	FMS	Hidalgo #5-1.1	152000032	2023		\$ 5,000	taxes	50%	50%	100%
15	Eagle Pass	FMP	Area 2 Treasure Hills	152000033	2025		\$ 597,300	taxes	50%	50%	100%
15	Hidalgo County DD1	FMS	Hidalgo County #11-1.2	152000033	2025		\$ 10,000	city budget, grants	50%	50%	100%
15	Hidalgo County DD1	FME	FM 491 and Mile 3	152000033	2025		\$ 60,000	taxes	50%	50%	100%
15	Eagle Pass	FMP	Area 3 Arrow Point Boulevard	152000034	2025		\$ 52,800	taxes	50%	50%	100%
15	Hidalgo County DD1	FMS	Hidalgo County #12-1.1	152000034	2025		\$ 100,000	FEMA, budget	50%	50%	100%
15	Hidalgo County DD1	FME	Pump & Sumps H (#101)	152000034	2025		\$ 217,500	taxes	50%	0%	100%
15	Eagle Pass	FMP	Area 4 Bibb & Misty Willow storm drain	152000035	2025		\$ 316,800	taxes	50%	50%	100%
15	Hidalgo County DD1	FMS	Hidalgo County #14-1.1	152000035	2025		\$ 100,000	taxes	50%	50%	100%
15	Eagle Pass	FMP	Area 5 Debona Drive	152000036	2025		\$ 359,700	taxes	50%	50%	100%
15	Hidalgo County DD1	FMS	Hidalgo County #2-2.1	152000036	2025		\$ 25,000	budget	50%	50%	100%
15	Hidalgo County DD1	FME	Pump & Sumps J (#105)	152000036	2025		\$ 310,500	taxes	50%	50%	100%
15	Eagle Pass	FMP	Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	152000037	2025		\$ 957,000	taxes	50%	50%	100%
15	Hidalgo County DD1	FMS	Hidalgo County #3-1.2	152000037	2025		\$ 50,000	budget, external funds	50%	50%	100%
15	Hidalgo County DD1	FME	Pump Station K (#107)	152000037	2025		\$ 165,000	taxes	50%	50%	100%
15	Eagle Pass	FMP	Area 8 Tributary 2 channel widening near Alexander Drive	152000038	2025		\$ 80,300	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Pump Station L (#108)	152000038	2025		\$ 165,000	taxes	50%	0%	100%
15	La Villa	FMS	La Villa #6-1.1	152000038	2025		\$ 1,000	taxes	50%	50%	100%
15	Alton	FMP	North Inspiration Road and West St. Jude Avenue	152000039	2025		\$ 2,609,200	taxes, fees	50%	50%	100%
15	Hidalgo County DD1	FME	Lott Rd & Soderquist	152000039	2025		\$ 190,550	taxes	50%	50%	100%
15	La Villa	FMS	La Villa #8-1.1	152000039	2023		\$ 31,000	Budget	50%	50%	100%
15	Hidalgo County DD1	FME	Mile 2 E & Expy 83	152000040	2025		\$ 215,250	taxes	50%	50%	100%
15	McAllen	FMS	McAllen #11-1.1	152000040	2022		\$ 1,000	budget	100%	0%	100%
15	McAllen	FMS	McAllen #1-2.1	152000041	2024		\$ 500,000	grants, funds	50%	50%	100%
15	Weslaco	FME	TX 88 & W Sugar Cane Dr	152000041	2025		\$ 375,900	taxes	50%	50%	100%
15	McAllen	FMS	McAllen #1-2.1(2)	152000042	2022		\$ 500,000	grants, funds	50%	50%	100%
15	Weslaco	FME	Mile 11 N & Mile 6 W	152000042	2025		\$ 570,300	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Clark Rd & Mile 1 E	152000043	2025		\$ 1,526,550	taxes	50%	50%	100%
15	Mercedes	FMS	Mercedes #11-1.1	152000043	2023		\$ 25,000	Budget	50%	50%	100%
15	Mercedes	FMS	Mercedes #9-1.1	152000044	2024		\$ 1,000	Budget	50%	50%	100%
15	Weslaco	FME	International & E Mile 5 N	152000044	2025		\$ 1,093,500	taxes	50%	50%	100%
15	Hidalgo County DD0	FME	S. Alamo and Rancho Blanco	152000045	2025		\$ 525,750	taxes	50%	50%	100%
15	Mission	FMS	Mission #1-1.1	152000045	2024		\$ 31,000	Budget	50%	50%	100%
15	Hidalgo County DD1	FME	FM 1423 and Main Grove	152000046	2025		\$ 107,100	taxes	50%	50%	100%

Table 19: Lower Rio Grande Region Funding Survey

15	Mission	FMS	Mission #7-1.1	152000046	2023		\$ 8,500	Budget	50%	50%	100%
15	Hidalgo County DD1	FME	FM 1423 and Nolana	152000047	2025		\$ 321,000	taxes	50%	50%	100%
15	Palmview	FMS	Palmview #5-1.1	152000047	2024		\$ 1,000	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	N Tower	152000048	2025		\$ 201,000	taxes	50%	50%	100%
15	Palmview	FMS	Palmview #7-1.1	152000048	2023		\$ 31,000	Budget	50%	50%	100%
15	Palmview	FMS	Pharr #10-1.1	152000049	2025		\$ 5,000	budget	50%	50%	100%
15	Hidalgo County DD1	FME	Canton and Dillon	152000050	2025		\$ 454,050	taxes	50%	50%	100%
15	Pharr	FMS	Pharr #8-1.1	152000050	2025		\$ 1,000	budget	50%	50%	100%
15	Alamo	FMS	Alamo #4-1.2	152000051	2026		\$ 10,000	grants, budget	50%	50%	100%
15	Hidalgo County DD1	FME	FM 1925 and Mile 4	152000051	2025		\$ 143,550	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Pump & Sumps A (#89)	152000052	2025		\$ 213,000	taxes	50%	0%	100%
15	Hidalgo County DD1	FME	Pump & Sumps B (#91)	152000053	2025		\$ 244,500	taxes	50%	0%	100%
15	Hidalgo County DD1	FME	Pump Station D (#94)	152000055	2025		\$ 165,000	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Pump & Sumps E (#95)	152000056	2025		\$ 124,500	taxes	50%	0%	100%
15	Hidalgo County DD1	FME	Pump & Sumps F (#97)	152000057	2025		\$ 480,000	taxes	50%	0%	100%
15	Hidalgo County DD1	FME	Pump & Sumps G (#99)	152000058	2025		\$ 271,500	taxes	50%	0%	100%
15	Alton	FME	West Mile 5 Road and Louisiana Steet Alternative 2	152000060	2025		\$ 322,898	taxes,fees	50%	50%	100%
15	Alton	FME	North Inspiration Road and West St. Juade Avenue Alternative 2	152000062	2025		\$ 422,690	taxes,fees	50%	50%	100%
15	Alton	FME	West Mile 5 and South Glasscock Road Alternative 3	152000063	2025		\$ 249,480	taxes,fees	50%	50%	100%
15	Weslaco	FME	Weslaco Stormwater Improvement Plan - Pleasantview Drive & 11th Street	152000064	2025		\$ 819,390	taxes	50%	50%	100%
15	Weslaco	FME	Weslaco Stormwater Improvement Plan - Mile 10 N & Mile 5 1/2 W	152000065	2025		\$ 666,151	taxes	50%	50%	100%
15	Weslaco	FME	Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	152000066	2025		\$ 14,071	taxes	50%	50%	100%
15	Weslaco	FME	Weslaco Stormwater Improvement Plan - Texas Boulevard to Airport Drive, South of Business 83	152000067	2025		\$ 6,597,680	taxes	50%	50%	100%
15	Weslaco	FME	Weslaco Stormwater Improvement Plan - West Weslaco	152000068	2025		\$ 5,595,880	taxes	50%	50%	100%
15	Weslaco	FME	Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	152000069	2025		\$ 1,664,860	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area A at Mile 8.5 Rd & Ware Rd.	152000071	2025		\$ 2,984,850	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area B at Mile 6 & North Ware Rd.	152000072	2025		\$ 4,076,320	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area C at FM 2812 & FM 493	152000073	2025		\$ 1,183,050	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area D at S. McColl & Canton Rd.	152000074	2025		\$ 953,700	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area E at Hwy 107 & Val Verde Rd.	152000075	2025		\$ 747,450	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area F at Texas Rd & Cesar Chavez Rd.	152000076	2025		\$ 1,188,000	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area G Hoehn Rd & Mile 11	152000077	2025		\$ 909,150	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area I at Sharp Rd. & E. Monte Cristo Rd.	152000078	2025		\$ 899,250	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Risk Area J SH 107 & FM 907	152000079	2025		\$ 541,200	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 11 Rancho Escondido	152000086	2025		\$ 136,785	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 12 Fox Borough Drive	152000087	2025		\$ 177,870	taxes	50%	50%	100%

Table 19: Lower Rio Grande Region Funding Survey

15	Eagle Pass	FME	Area 13 Celle De Los Santos neighborhood	152000088	2025		\$ 27,225	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 15 Trib 3 Detention at Main Street	152000089	2025		\$ 124,245	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 2 Treasure Hills	152000090	2025		\$ 89,595	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 3 Arrow Point Boulevard	152000091	2025		\$ 7,920	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 4 Bibb & Misty Willow storm drain	152000092	2025		\$ 47,520	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 5 Debona Drive	152000093	2025		\$ 53,955	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	152000094	2025		\$ 143,550	taxes	50%	50%	100%
15	Eagle Pass	FME	Area 8 Tributary 2 channel widening near Alexander Drive	152000095	2025		\$ 12,045	taxes	50%	50%	100%
15	Maverick County	FME	Maverick County	152000096	2025		\$ 250,000	taxes	50%	50%	100%
15	La Grulla	FME	La Grulla	152000099	2025		\$ 250,000	taxes	50%	50%	100%
15	Hidalgo County DD1	FME	Pump & Sumps 1 (#103)	1520000335	2025		\$ 388,500	taxes	50%	50%	100%
15	Brownsville	FMS	Brownsville PUB Action #8		2018		\$ 20,000	grants	0%	100%	100%
15	Brownsville	FMS	City of Brownsville Action #2		2017		\$ 100,000	taxes,fees	50%	50%	100%
15	Brownsville	FME	City of Brownsville Action #24		2025		\$ 19,800	Capital	50%	50%	100%

Table 20B: Recommended Flood Mitigation Project Details Scoring Summary

Table 20: Recommended Flood Mitigation Project Details Scoring Summary

Project	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Severity Ranking: Community Need (% Population)	Flood Risk Reduction	Flood Damage Reduction	Reduction in critical facilities flood risk	Life and Safety Ranking (Injury/Loss of Life)	Water Supply Yield Ranking	Social Vulnerability Ranking	Nature-Based Solutions Ranking	Multiple Benefit Ranking	Operations and Maintenance Ranking	Administrative, Regulatory and Other Obstacle Ranking	Environmental Benefit Ranking	Environmental Impact Ranking	Mobility Ranking	Total Score
Alton MDP - West Mile 5 Road and Louisiana Street Alternative 2	2	1	0	2	0	2	10	10	1	1	7	10	0	10	4	60
Alton MDP - North Inspiration Road and West St. Jude Avenue Alternative 2	2	1	4	2	0	2	10	10	1	1	7	10	0	10	4	64
Alton MDP - West Mile 5 and South Glasscock Road Alternative 3	2	1	4	2	0	2	0	10	1	1	7	10	3	10	0	53
Weslaco Stormwater Improvement Plan -South Texas Boulevard and East 18th Street	2	1	10	2	0	4	10	10	1	1	7	10	3	10	4	75
North Pharr Mitigation Project	4	1	4	2	0	2	0	10	1	1	7	10	0	10	4	56
Southwest Pharr Drainage Mitigation Project	4	1	1	4	0	2	10	10	1	1	7	10	3	10	4	68
Weslaco Stormwater Improvement Plan - Pleasantview Drive and 11th Street	2	1	4	2	0	2	0	10	1	1	7	10	0	10	4	54
Weslaco Stormwater Improvement Plan - Mile 10 N and Mile 5 1/2 W	2	1	4	2	0	4	10	10	1	1	7	10	3	10	4	69
Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	2	1	7	2	0	2	0	10	1	1	7	10	0	10	4	57
Weslaco Stormwater Improvement Plan - West Weslaco	2	1	4	2	0	6	10	10	1	1	7	10	3	10	4	71
Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	2	1	4	2	0	2	10	10	1	1	7	10	3	10	4	67
Precinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.	2	1	1	2	0	2	10	10	1	1	7	10	3	10	4	64
Precinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.	2	1	4	2	0	2	10	7	1	1	7	10	0	10	4	61
Precinct 4 MDP - Risk Area C at FM 2812 & FM 493	2	1	4	2	0	2	10	10	1	1	7	10	0	10	4	64
Precinct 4 MDP - Risk Area D at S. McColl & Canton Rd.	2	1	1	2	0	2	0	7	1	1	7	10	0	10	4	48
Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	2	1	1	2	0	2	10	10	1	1	7	10	3	10	4	64
Precinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.	2	1	1	2	0	2	0	10	1	1	7	10	0	10	4	51
Precinct 4 MDP - Risk Area G at Hoehn Rd. & Mile 11 Rd.	2	1	1	2	0	2	10	10	1	1	7	10	3	10	4	64
Precinct 4 MDP - Risk Area I at Sharp Rd. & E Monte Cristo Rd	2	1	1	2	0	2	10	10	1	1	7	10	3	10	4	64
Precinct 4 MDP - Risk Area J at SH107 & FM 907	2	1	1	2	0	2	10	10	1	1	7	10	3	10	4	64
Risk Area 12 Fox Borough Drive	2	1	0	2	0	2	10	10	1	1	7	10	3	10	4	63
Risk Area 15 Trib 3 Detention at Main Street	2	1	7	2	0	2	10	10	1	1	7	10	3	10	4	70
Risk Area 2 Treasure Hills	2	1	10	2	0	2	10	10	1	1	7	10	3	10	4	73
Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	2	1	7	2	0	2	10	10	1	1	7	10	3	10	4	70
Risk Area 8 Tributary 2 channel widening near Alexander Drive	2	1	10	2	0	2	0	10	1	1	7	10	0	10	4	60
Drainage Ditch NM-102 Improvements	4	1	10	2	0	2	0	10	1	1	7	10	0	10	4	62
Drainage Ditch NM-103 Improvements	6	1	10	2	0	2	0	10	1	1	7	10	0	10	4	64
Drainage Ditch NM-105 Improvements	2	1	10	2	0	2	0	10	1	1	7	10	0	10	4	60
Drainage Ditch NM-106 Improvements	2	1	10	2	0	2	0	10	1	1	7	10	0	10	4	60
Drainage Ditch NM-108 Improvements	2	1	0	2	0	2	0	10	1	1	7	10	0	10	4	50
Drainage Ditch NM-109 Improvements	2	1	4	2	0	2	0	7	1	1	7	10	0	10	4	51
Drainage Ditch NM-110 Improvements	2	1	10	2	0	2	0	4	1	1	7	10	0	10	4	54
Drainage Ditch NM-113 Improvements	4	1	10	2	0	2	0	7	1	1	7	10	0	10	4	59
Drainage Ditch NM-115 Improvements	2	1	10	2	0	2	0	7	1	1	7	10	0	10	4	57
Drainage Ditch NM-116 Improvements	4	1	10	2	0	2	0	7	1	1	7	10	0	10	4	59
North Main Drain III and I BP 4	6	1	4	2	0	4	0	10	1	1	7	10	0	10	4	60
North Main Drain I BP 5	6	1	4	2	0	4	0	10	1	1	7	10	0	10	4	60
Palmview Lateral BP 7	6	1	1	2	0	4	10	10	1	1	7	10	3	10	4	70
Alternate Rado Drain BP 11	8	1	1	2	0	8	0	10	1	1	7	10	0	10	4	63
Mission-McAllen Drain BP 12	6	1	4	2	0	4	0	10	1	1	7	10	0	10	4	60
Mission Inlet BP 13	6	1	4	2	0	2	0	1	1	1	7	10	0	10	4	49
West Main Drain III Extension BP 14	6	1	4	2	0	4	0	10	1	1	7	10	0	10	4	60
Alamo Expressway Drain Phase 2 BP 21	6	1	0	2	0	4	0	10	1	1	7	10	0	10	4	56
Parker Drain Widening (Tio Cano Lake Overflow)	6	7	1	2	0	2	0	10	1	1	7	10	0	10	4	61
Main Drain Widening - switch to Parker Regional Detention Facility	6	7	1	2	0	2	0	10	1	1	7	10	0	10	4	61
Ovalle Lateral Connectivity	6	7	1	2	0	2	0	10	1	1	7	10	0	10	4	61
Main Drain regional detention facility	6	7	1	2	0	2	10	10	1	1	7	10	3	10	4	74
Floodway Pump Stations (Cantu)	6	7	1	2	0	2	0	10	1	1	7	10	0	10	0	57
Clark Road Ditch Improvements	6	7	1	2	0	2	0	10	1	1	7	10	0	10	4	61
Southwest Ditch Widening	6	7	1	2	0	2	0	10	1	1	7	10	0	10	4	61
North McAllen Retention Pond	4	1	0	2	0	2	10	10	1	1	7	10	3	10	4	65

Table 20: Recommended Flood Mitigation Project Details

Project Name	FMP ID	Project Description:	Flood Region	Project Type	FIUP Project Category	Project Watershed	Rural Applicant	Project Cost	Benefit Cost Ratio	Cost per Structure Removed	Pre-Project Level-of-	Post-Project Level-of-	# of Structures in 1%	Project Status	Average Flood Depth	Notes	Severity Ranking: Pre-Project	Score 1	Communities Served by Project	Community Population Served	Flood Plan Population	Notes 2	Severity Ranking: Community	Score 2	# of Structures	Notes 3	Flood Risk Reduction	Score 3	# of Structures with	Pre-Project Damage \$	Post-Project Damage \$	Notes 4
Alton MDP - West Mile 5 Road and Louisiana Street Alternative 2	153000001	Alternative 2 is designed to remove structures from the 10-year floodplain. Approximately 35 acre-feet of volume is proposed to be excavated. Construction consists of 1,940 linear feet of 8' x 4' RCBs along Mile 5 ½.	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	1866360	0	0	10	10	35	Design	0.5	Baseline average flood depth < 0.5ft	2	1	18198	105	0.577	<25% of project community	1	0	43.33	Reduced risk to 0 structures in floodplain	0	0				
Alton MDP - North Inspiration Road and West St. Jude Avenue Alternative 2	153000003	Alternative 2 is designed to remove structures from the 25-year floodplain and more frequent storms. This alternative consists of upsizing the storm drain under West St. Jude	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	2443160	0.1	81438.66667	10	25	102	Design	0.5	Baseline average flood depth < 0.5ft	2	1	18198	306	1.682	<25% of project community	1	30	96.53	Reduced risk to <50% of structures in floodplain	4	0				
Alton MDP - West Mile 5 and South Glasscock Road Alternative 3	153000006	Alternative 3 is simply the buyout and removal of 23 properties on the north side of Buchanan from the 10-year floodplain. Once structures are removed, the vacant land	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	1442000	0.08	110923.0769	10	10	30	Design	0.5	Baseline average flood depth < 0.5ft	2	1	18198	90	0.495	<25% of project community	1	13	23.21	Reduced risk to <50% of structures in floodplain	4	0				
Weslaco Stormwater Improvement Plan -South Texas Boulevard and East 18th Street	153000007	Construction of a 5 acre detention pond along Texas Boulevard, with approximately 1,400 LF of channel widening along the back of the neighborhood, the	Lower Rio Grande	Drainage Improvements	Category 2	Llano Grande Lake-Arroyo Colorado	N	1585580	2.5	11407.05036	10	50	144	Design	0.5	Baseline average flood depth < 0.5ft	2	1	40160	432	1.076	<25% of project community	1	139	7.157	Reduced risk to >75% of structures in floodplain	10	0				
North Pharr Mitigation Project	153000011	Construct 3400-linear feet of channel improvements on the ditch running from south to north along North Fir Street and 2800-linear feet of channel improvements on the Pharr-	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	8195000	6.49	9826.139089	10	50	3594	Design	1	Baseline average flood depth > 0.5ft	4	1	79697	12236	15.35	<25% of project community	1	834	45.5	Reduced risk to <50% of structures in floodplain	4	0				
Southwest Pharr Drainage Mitigation Project	153000012	Construct four regional detention facilities (RDF). RDF 1 has a footprint of 19.75-acres and is a lateral detention facility located between Dicker and Thomas Road west of	Lower Rio Grande	Floodwater Storage	Category 2	Llano Grande Lake-Arroyo Colorado	N	5587280	1.31	29878.50267	10	50	2613	Design	1	Baseline average flood depth > 0.5ft	4	1	79697	5834	15.35	<25% of project community	1	187	37.27	Reduced risk to <10% of structures in floodplain	1	956				
Weslaco Stormwater Improvement Plan - Pleasantville Drive and 11th Street	153000014	Installation of 3,220 LF of new storm drain system consisting of two - 8' x 4' RCBs along Mile 3 ½.	Lower Rio Grande	Drainage Improvements	Category 2	Llano Grande Lake-Arroyo Colorado	N	4775000	0.5	47277.22772	10	50	222	Design	0.5	Baseline average flood depth < 0.5ft	2	1	40160	666	1.658	<25% of project community	1	101	72.08	Reduced risk to <50% of structures in floodplain	4	0				
Weslaco Stormwater Improvement Plan - Mile 10 N and Mile 5 ½ W	153000016	Construction of an 8 acre detention pond, with approximately 4,000 LF of channel widening along the back of the neighborhoods and between the Justice Raul A.	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	3975700	0.4	66261.66667	10	100	161	Design	0.5	Baseline average flood depth < 0.5ft	2	1	40160	483	1.203	<25% of project community	1	60	68.22	Reduced risk to <50% of structures in floodplain	4	0				
Weslaco Stormwater Improvement Plan - South International Boulevard and Business 83	153000017	Replacement of 48 - inch culverts at two roadway crossings with 6' x 4' RCBs.	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	93808	15.7	1008.688172	25	100	129	Design	0.5	Baseline average flood depth < 0.5ft	2	1	40160	387	0.964	<25% of project community	1	93	26.67	Reduced risk to <75% of structures in floodplain	7	0				
Weslaco Stormwater Improvement Plan - West Weslaco	153000019	The project is located just west of Border Avenue, between US 93 and Zama Street. Construction of three detention ponds, 18 acres east of Vaughn Road and Midway Road.	Lower Rio Grande	Drainage Improvements	Category 2	Llano Grande Lake-Arroyo Colorado	N	37305800	0.4	49940.82999	10	50	1095	Design	0.5	Baseline average flood depth < 0.5ft	2	1	40160	3285	8.18	<25% of project community	1	747	8.333	Reduced risk to <50% of structures in floodplain	4	0				
Weslaco Stormwater Improvement Plan - Westgate Drive and Sugar Cane Drive	153000020	Construction of two detention ponds, 11 acres near Clecker-Heald Elementary School and 8 acres behind the commercial properties north of Interstate 2, approximately	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	9936170	0.3	73060.07353	10	100	510	Design	0.5	Baseline average flood depth < 0.5ft	2	1	40160	1530	3.81	<25% of project community	1	136	16.07	Reduced risk to <50% of structures in floodplain	4	0				
Precinct 4 MDP - Risk Area A at Mile 8.5 Rd. & Ware Rd.	153000021	Proposed culverts. Proposed Detention Ponds with pond north of Mile 8.5 Rd. to collect runoff from the west and has	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	9272000	1.7	107813.9535	5	50	1032	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	3096	1.629	<25% of project community	1	86	10.57	Reduced risk to <10% of structures in floodplain	1	0				
Precinct 4 MDP - Risk Area B at Mile 6 & North Ware Rd.	153000022	Regional Detention Facilities with a pond footprint of 25 acres along the Existing HCDD1 West Main Drain. Storm Drain and Local Drainage Improvements. Channel	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	10459500	1.3	193694.4444	5	50	336	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	1008	0.531	<25% of project community	1	54	5.476	Reduced risk to <50% of structures in floodplain	4	0				
Precinct 4 MDP - Risk Area C at FM 2812 & FM 493	153000023	Channel Improvements (Widening & Regrading) to Existing J-01 Drain with approximately 1.5 miles of proposed improvements. Channel Improvements (Channel	Lower Rio Grande	Drainage Improvements	Category 2	West Main Drain-Laguna Madre	N	6807120	0.4	166027.3171	5	50	388	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	1164	0.613	<25% of project community	1	41	12.94	Reduced risk to <50% of structures in floodplain	4	0				
Precinct 4 MDP - Risk Area D at S. McColl & Canton Rd.	153000024	Channel Improvements (Widening & Regrading) to Existing McAllen Lateral & North Main Drain with approximately 2.25 miles of proposed improvements from S McColl St. to	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	3097000	1.4	25385.2459	5	50	2228	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	6684	3.518	<25% of project community	1	122	7.75	Reduced risk to <10% of structures in floodplain	1	0				
Precinct 4 MDP - Risk Area E at Hwy 107 & Val Verde Rd.	153000025	Channel Improvements with approximately 0.3 miles of proposed improvements. Proposed detention pond north of Tex-Mex Rd. and east of S 87th St. has an approximate	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	4300730	1.3	42164.01961	10	10	788	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	2364	1.244	<25% of project community	1	102	4.484	Reduced risk to <10% of structures in floodplain	1	0				
Precinct 4 MDP - Risk Area F at Texas Rd. & Cesar Chavez Rd.	153000026	Channel Improvements with approximately 0.6 miles of proposed improvements. Grate Inlets and Proposed Storm Drain with grate inlets in sag spaced along every 500' tying	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	4721500	2.45	51884.61538	10	10	1174	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	3522	1.854	<25% of project community	1	91	20.26	Reduced risk to <10% of structures in floodplain	1	0				
Precinct 4 MDP - Risk Area G at Hoehn Rd. & Mile 11 Rd.	153000027	Channel Improvements with approximately 0.75 miles of proposed improvements. Proposed Pond north of County Road 3424 and west of County Road 3421 has an	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	5231130	0.5	52311.3	10	10	223	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	669	0.352	<25% of project community	1	10	19.66	Reduced risk to <10% of structures in floodplain	1	0				
Precinct 4 MDP - Risk Area I at Sharp Rd. & E Monte Cristo Rd.	153000028	Inlets and proposed storm drain with approximately 1,100' of 4' x 4' RCB storm drain with curb inlets to be installed along Hendrix Dr. and Gaston Cr. with approximately	Lower Rio Grande	Drainage Improvements	Category 2	West Main Drain-Laguna Madre	N	5174170	0.63	65495.82278	10	10	390	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	1170	0.616	<25% of project community	1	79	0	Reduced risk to <10% of structures in floodplain	1	0				
Precinct 4 MDP - Risk Area J at SH107 & FM 907	153000029	Channel Improvements (Widening & Regrading) to Existing HCDD1 "Y" drain with approximately 0.75 miles of proposed channel improvements beginning at Fresno Dr.	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	3116000	1.07	53724.13793	10	10	295	Design	0.5	Baseline average flood depth < 0.5ft	2	1	190000	885	0.466	<25% of project community	1	58	53.51	Reduced risk to <10% of structures in floodplain	1	0				
Risk Area 12 Fox Borough Drive	153000031	Project includes bypassing flow from inlet at PointLoma Drive and North Point Drive to the detention pond with 1 - 8'x4' RCB and installing additional curb inlets on N. Point	Lower Rio Grande	Drainage Improvements	Category 2	Seco Creek-Rio Grande	N	1185000	0	0	10	10	11	Design	0.5	Baseline average flood depth < 0.5ft	2	1	28130	33	0.117	<25% of project community	1	0	91.67	Reduced risk to 0 structures in floodplain	0	0				
Risk Area 15 Trib 3 Detention at Main Street	153000033	Project includes constructing 10 acre detention pond (29 ac-ft volume) along East Channel north of Highway 277 and installing flap-gates at flume outfalls on Omar Drive and	Lower Rio Grande	Drainage Improvements	Category 2	Seco Creek-Rio Grande	N	753000	1.62	12344.2623	10	10	114	Design	0.5	Baseline average flood depth < 0.5ft	2	1	28130	342	1.216	<25% of project community	1	61	64.38	Reduced risk to <75% of structures in floodplain	7	0				
Risk Area 2 Treasure Hills	153000034	Project includes constructing a 4' deep trapezoidal concrete channel with 8' bottom width and 2:1 side slopes, from	Lower Rio Grande	Drainage Improvements	Category 2	Seco Creek-Rio Grande	N	1078000	0.41	49000	10	10	24	Design	0.5	Baseline average flood depth < 0.5ft	2	1	28130	72	0.256	<25% of project community	1	22	100	Reduced risk to >75% of structures in floodplain	10	0				
Risk Area 6 Trib 2 bypass & detention at Eagle Pass High School fields	153000038	Project includes bypassing flow from Golfcrest Drive to the detention pond with 1-6'x4' RCB Modifying outfall structure from 2-5'x3' RCB to 1-5'x3' RCB, and Lowering existing	Lower Rio Grande	Drainage Improvements	Category 2	Seco Creek-Rio Grande	N	870000	1.08	18510.6383	10	50	73	Design	0.5	Baseline average flood depth < 0.5ft	2	1	28130	219	0.779	<25% of project community	1	47	96.03	Reduced risk to <75% of structures in floodplain	7	0				
Risk Area 8 Tributary 2 channel widening near Alexander Drive	153000039	Project includes constructing a 3' deep trapezoidal channel with a 76' bottom width with 4:1 side slopes from Graves Elementary School to the confluence of existing channels	Lower Rio Grande	Drainage Improvements	Category 2	Seco Creek-Rio Grande	N	73000	1.1	18250	10	50	4	Design	0.5	Baseline average flood depth < 0.5ft	2	1	28130	12	0.043	<25% of project community	1	4	100	Reduced risk to >75% of structures in floodplain	10	0				
Drainage Ditch NM-102 Improvements	153000040	Project includes expansion of HCDD1 Lull Drain and addition of laterals NM-102-01, NM-102-02, and NM-102-03	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	4756150	1.6	32801.03448	10	50	151	Design	1	Baseline average flood depth > 0.5ft	4	1	100243	300	0.299	<25% of project community	1	145	75.18	Reduced risk to >75% of structures in floodplain	10	6				
Drainage Ditch NM-103 Improvements	153000041	Replace culverts on Access Road and Monte Cristo with 10'x6' RCB and relace 36" RCP on Rogers, Utility - Canal and Russell with 8' X 6' RCB for Rogers. 6' x 6' RCB for	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	2047160	6.6	7337.491039	10	100	279	Design	1	Baseline average flood depth > 1ft	6	1	100243	500	0.499	<25% of project community	1	279	100	Reduced risk to >75% of structures in floodplain	10	0				
Drainage Ditch NM-105 Improvements	153000042	Project includes a lateral ditch with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth. Also, replacing existing crossings at McColl (30-in RCP), Monument Mack	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	912279	4.7	8857.07767	25	100	137	Design	0.5	Baseline average flood depth < 0.5ft	2	1	100243	400	0.399	<25% of project community	1	103	####	Reduced risk to >75% of structures in floodplain	10	34				
Drainage Ditch NM-106 Improvements	153000043	Project includes extending west with a 10-foot bottom width, 3:1 (H:V) side slopes, and 8-foot depth as well as replacing existing crossing at McColl (36-in RCP) and	Lower Rio Grande	Drainage Improvements	Category 2	Lake Edinburn-Edinburg North Main Canal	N	693610	0.4	86701.25	10	100	8	Design	0.5	Baseline average flood depth < 0.5ft	2	1	100243	10	0.01	<25% of project community	1	8	100	Reduced risk to >75% of structures in floodplain	10	0				
Drainage Ditch NM-108 Improvements	153000044	Replace 10' x 6' RCB with a 48" RCP along Jackson Road crossing to increase conveyance of the ditch system.	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	4689680	0.1	0	10	25	0	Design	0	Baseline average flood depth < 0.5ft	2	1	100243	0	0	<25% of project community	1	0	100	Reduced risk to 0 structures in floodplain	0	0				
Drainage Ditch NM-109 Improvements	153000045	Project includes replacing existing 36" RCP with 48" RCP and connecting a basin to the existing ditch system.	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	1247580	0	623790	10	100	2	Design	0.5	Baseline average flood depth < 0.5ft	2	1	100243	10	0.01	<25% of project community	1	2	100	Reduced risk to <50% of structures in floodplain	4	0				
Drainage Ditch NM-110 Improvements	153000046	Project includes an extension of 8'x4' RCB upstream to increase conveyance across McColl Road. Also, replacing existing crossings at Utility (30-in RCP), Mon Mack (36-in RCP) and 10'x6' RCB for Rogers. 6' x 6' RCB for	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	906348	0.7	129478.2857	10	100	7	Design	0.5	Baseline average flood depth < 0.5ft	2	1	100243	100	0.1	<25% of project community	1	7	100	Reduced risk to >75% of structures in floodplain	10	0				
Drainage Ditch NM-113 Improvements	153000047	Replace 5' x 4' RCB along Jackson Road with 2 - 5' X 4' RCB and replace the current 5' X 4' RCB along the Railroad with a new 5' X 4' RCB. On Sugar Road increase the size	Lower Rio Grande	Drainage Improvements	Category 2	Upper Pilot Channel-Laguna Madre	N	643285	0.7	160821.25	10	100	4	Design	0.5	Baseline average flood depth >																