

## **Appendix 5C**

### **FMEs Recommended by the RFPG**

Table 5C. Flood Management Evaluations Recommended by the RFPG

FME ID	FME Name	Description	Associated Goals	Counties	HUC8s	FME Area (sqmi)	Flood Risk Type	Sponsor	Entities with Oversight	Emergency Need	Estimated Study Cost	RFPG Recommendation (Y/N)	Reason for Recommendation
141000001	Develop a plan for a Sediment and Vegetation Control Program in the Rio Grande at El Paso	Assess Rio Grande capacity in El Paso County considering updated hydrology, sediment, and vegetation conditions. Establish maintenance program with minimum risk-based channel capacity. Address maintenance agreements between U.S. and Mexico.	14007003, 14004001	El Paso	13030102, 13040100	110.7	Riverine	El Paso Water, El Paso County, EPCWID1	USIBWC, El Paso Water, El Paso County, Doña Ana County, Hudspeth County, EPCWID1	No	\$ 107,000	Yes	Aligns with RFPG and stakeholder goals
141000002	Develop H&H Models for Cibolo Creek and arroyos through the City of Presidio, and develop an FMP for flood reduction of buildings and emergency access roadways.	Develop H&H models for Cibolo Creek and the City of Presidio arroyos to evaluate flood risk. Develop FMPs, an interior drainage analysis for east Cibolo Creek levee, and a coincident storm analysis for Cibolo Creek, the Rio Conchos, and the Rio Grande.	14007003, 14014002, 14009002, 14009004	Presidio	13040201	10.2	Riverine	Presidio city, Presidio County	Presidio city, Presidio County, USIBWC, USACE	No	\$ 183,000	Yes	Aligns with RFPG and stakeholder goals
141000003	Arroyo Siphon at SH20 near Tornillo	Coordinate with TXDOT to install siphon at SH20 to prevent road from overtopping and stormwater from entering EPCWID1 canal system.	14010001, 14010002	El Paso	13040100	0.1	Riverine	El Paso County, EPCWID1, TXDOT	El Paso County, EPCWID1, TXDOT	No	\$ 38,000	Yes	Aligns with RFPG and stakeholder goals
141000004	Lower Mesa Drain Improvements at El Paso	Assess capacity of upstream reservoirs; develop detailed hydraulic model of Lower Mesa Drain to design 30+ culvert improvements; assess capacity of Mesa Drain to accept runoff without impacting downstream agricultural property.	14007003, 14009001, 14009003	El Paso	13040100	5.6	Urban/Local	El Paso Water, El Paso County, EPCWID1	El Paso Water, El Paso County, EPCWID1	No	\$ 689,000	Yes	Aligns with RFPG and stakeholder goals
141000005	Develop solution for flooding of San Elizario historic district, and localized flooding in San Elizario and adjacent communities	Develop Stormwater Master Plan for San Elizario, including drainage swales to convey runoff into the River Drain and relieve localized ponding, as well as plantings along flowpaths for butterfly habitat.	14009001, 14009003	El Paso	13040100	7.3	Urban/Local	San Elizario city, El Paso County	San Elizario city, El Paso County	No	\$ 73,000	Yes	Aligns with RFPG and stakeholder goals
141000006	Increase Storage Capacity of Fort Bliss Sump	Excavate Fort Bliss Sump while avoiding newly delineated wetland to increase storage capacity of sump. Requires continued coordination with U.S. Army due to project location on Fort Bliss.	14009001, 14009003	El Paso	13040100	0.7	Urban/Local	El Paso Water	U.S. Army, El Paso Water	No	\$ 30,000	Yes	Aligns with RFPG and stakeholder goals
141000008	Sediment Control at Alamito and Ternereros Creek	Design sediment control structures on Alamito Creek and Ternereros Creek upstream of confluence with the Rio Grande to reduce sediment in the Rio Grande and reduce USIBWC maintenance burden.	14004002, 14011001	Presidio	13040201, 13040202, 13040203, 13040204, 13070005, 13070006, 13050004	1621.9	Riverine	Presidio County	USIBWC, Presidio County	No	\$ 111,000	Yes	Aligns with RFPG and stakeholder goals
141000010	Develop city-wide drainage study and stormwater master plan for Pecos	Develop city-wide drainage study and stormwater master plan for City of Pecos and adjacent Lindsay Census Designated Place. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	14014001, 14009002, 14009004, 14010001, 14010002	Reeves	13070003, 13070001	23.1	Urban/Local, Playa, Riverine	Pecos city, Lindsay CDP, Reeves County, TXDOT	Pecos city, Lindsay CDP, Reeves County, TXDOT	No	\$ 92,000	Yes	Aligns with RFPG and stakeholder goals
141000012	Dam Improvements at Comanche Creek Reservoir at Fort Stockton	Inspect and evaluate rehabilitation improvements for Comanche Creek Reservoir to protect Fort Stockton from similar flooding to that which occurred on April 4, 2004.	14014001, 14009002, 14009004, 14010001, 14010002	Pecos	13070007	6.1	Urban/Local, Riverine	Fort Stockton city, Pecos County	Fort Stockton city, Pecos County	Yes	\$ 68,000	Yes	Aligns with RFPG and stakeholder goals
141000014	Develop a Colonia-wide Drainage System at Fort Hancock	Conduct surveys and drainage study to define flood areas, size 5th St crossing structures, develop H&H models, and propose FMPs. Address flooding at Hwy 20, Mustang Rd, and complete Supplemental Watershed Plans for Camp Rice Dam 1, Alamo Dam 3.	14014001, 14009002, 14009004, 14010001, 14010002	Hudspeth	13040100	22.0	Urban/Local, Riverine	Hudspeth County	Fort Hancock CDP, Hudspeth County	Yes	\$ 795,000	Yes	Aligns with RFPG and stakeholder goals
141000015	Prioritize arroyos on their likelihood of producing sediment/ debris flows	Investigate uncontrolled arroyos that have created flood damages and high maintenance costs. Develop method to estimate relative production of sediment for uncontrolled arroyos and estimate added flood risk associated with drainage conveyance blockage.	14009001, 14009003, 14010001, 14010002	El Paso	13030102, 13040100, 13050003	1011.0	Riverine	El Paso Water, El Paso County, EPCWID1	El Paso Water, El Paso County, EPCWID1	No	\$ 70,000	Yes	Aligns with RFPG and stakeholder goals
141000018	Conduct flood risk assessment at El Paso locations where drainage is controlled by river stage, and there are significant flood risks on the non-river side of the levee.	Identify the Rio Grande outfalls that are most susceptible to blockage, and most likely to allow flood damage during periods of high river stage.	14009001, 14009003, 14004001	El Paso	13030102, 13040100	110.7	Urban/Local, Riverine	El Paso Water, El Paso County	El Paso Water, El Paso County	No	\$ 70,000	Yes	Aligns with RFPG and stakeholder goals
141000019	Plan for mitigation of drainage controls where ground water reduces storm water conveyance capacity in the Montoya Drain	Perform H&H modeling to develop a FMP for increasing the capacity of Montoya Drain through measures to control groundwater intrusion into the drain.	14007003	El Paso	13030102	0.3	Urban/Local	El Paso Water, EPCWID1	El Paso Water, EPCWID1, Doña Ana County, EBID	No	\$ 130,000	Yes	Aligns with RFPG and stakeholder goals
141000021	Develop city-wide drainage study and stormwater master plan for the City of Kermit.	Develop city-wide drainage study and stormwater master plan for Kermit. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	14014001, 14009002, 14009004, 14010001, 14010002	Winkler	13070007	2.5	Urban/Local, Playa	Kermit city, Winkler County	Kermit city, Winkler County	No	\$ 75,000	Yes	Aligns with RFPG and stakeholder goals
141000022	Develop solutions for flooding near Sierra Blanca	Develop drainage study and stormwater master plan for Sierra Blanca and surrounding ranches with access issues during floods. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	14014001, 14009002, 14009004, 14010001, 14010002	Hudspeth	13040201	4.8	Riverine	Hudspeth County	Hudspeth County	No	\$ 76,000	Yes	Aligns with RFPG and stakeholder goals

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14100023	Develop city-wide drainage study and stormwater master plan for Alpine	Develop city-wide drainage study and stormwater master plan for Alpine. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	14014001, 14009002, 14009004, 14010001, 14010002	Brewster	13070006	4.8	Urban/Local, Riverine	Alpine city, Brewster County	Alpine city, Brewster County	No	\$ 250,000	Yes	Aligns with RFPG and stakeholder goals
14100024	Develop Supplemental Watershed Plans for flood control dams protecting Sonora	Assess & evaluate rehabilitation improvements for 7 NRCS dams identified by TCEQ as "Hydraulically Inadequate". Define upgrades of dams in Supplemental Watershed Plans for Dry Devils & Lowry Dams 3, 4, 5, 7, 8, 10, & 12.	14014001, 14009002, 14009004, 14010001, 14010002	Sutton	13040301	2.2	Riverine	Sonora city, Sutton County	Sonora city, Sutton County	Yes	\$ 1,456,000	Yes	Aligns with RFPG and stakeholder goals
14100025	Develop Supplemental Watershed Plans for flood control dams protecting Ozona	Assess & evaluate rehabilitation improvements for NRCS dam identified by TCEQ as "Hydraulically Inadequate". Define upgrades of dam in Supplemental Watershed Plans for Johnsons Draw SCS Site 7 Dam.	14014001, 14009002, 14009004, 14010001, 14010002	Crockett	13040301	4.6	Riverine	Ozona CDP, Crockett County	Ozona CDP, Crockett County	Yes	\$ 1,456,000	Yes	Aligns with RFPG and stakeholder goals
14100026	Develop city-wide drainage study and stormwater master plan for Monahans/Southwest Sandhill	Develop drainage study and stormwater master plan for City of Monahans and Southwest Sandhill Census Designated Place. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	14014001, 14009002, 14009004, 14010001, 14010002	Ward, Winkler	13070007	36.1	Urban/Local, Playa	Monahans city, Southwest Sandhill CDP, Ward County	Monahans city, Southwest Sandhill CDP, Ward County	No	\$ 104,000	Yes	Aligns with RFPG and stakeholder goals
14100033	Develop city-wide drainage study and stormwater master plan for City of Socorro	Develop city-wide drainage study and stormwater master plan for Socorro. Develop detailed H&H models and floodplain maps. Evaluate FMP alternatives.	14014001, 14009001, 14009003, 14010001, 14010002	El Paso	13040100	21.9	Urban/Local, Riverine	Socorro city, El Paso County	Socorro city, El Paso County	No	\$ 73,000	Yes	Aligns with RFPG and stakeholder goals
14100034	Develop FMPs for additional projects in City of El Paso/El Paso Water Stormwater Master Plan	Develop all required datasets and models for 52 projects from the City of El Paso/El Paso Water Stormwater Master Plan to be recommended as FMPs in the Regional Flood Plan.	14009001, 14009003, 14010001, 14010002	El Paso	13030102, 13040100, 13050003	298.8	Urban/Local, Riverine	El Paso Water	El Paso Water	No	\$ 1,288,000	Yes	Aligns with RFPG and stakeholder goals
14100035	Develop FMPs for additional projects from the El Paso County Stormwater Master Plan	Develop all required datasets and models for 21 projects from the El Paso County Stormwater Master Plan to be considered as FMPs in the Regional Flood Plan.	14009001, 14009003, 14010001, 14010002	El Paso	13030102, 13040100, 13050003	711.1	Urban/Local, Riverine	El Paso County	El Paso County	No	\$ 276,000	Yes	Aligns with RFPG and stakeholder goals