

Table 5D. Flood Mitigation Projects Recommended by RFPG

FMP ID	FMP Name	Description	Associated Goals (ID)	Counties	HUC12s	Project Type	Project Area (sqmi)	Flood Risk Type (Riverine, Coastal, Urban, Playa, Other)	Sponsor	Entities with Oversight	Emergency Need (Y/N)	Estimated Project Cost (\$)	Potential Funding Sources and Amount	Cost/Structure removed	Percent Nature-based Solution (by cost)	Negative Impact (Y/N)	Negative Impact Mitigation (Y/N)	How No Negative Impact was Determined	Social Vulnerability Index (SVI)	Water Supply Benefit (Y/N)	Benefit-Cost Ratio	RFPG Recommendation (Y/N)	Reason for Recommendation
14300003	Small pond at San Elizario	Construct a new 0.34 ac-ft pond to relieve roadway flooding. Described as Alternative 3 from City of San Elizario "Drainage Feasibility Study" (2018).	14009001, 14009003	El Paso	130401000307	Detention Pond	0.001	Detention Pond	0.000788	Urban/Local	San Elizario city	San Elizario city	No	N/A	0	No	No	Engineering Judgment (Append. 5B, Section 5B-5)	0	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300005	SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	Improvements to inlet and culvert capacities at 8 crossings, with cost estimates and prioritizations available.	14010001, 14010002	El Paso	130401000107	Storm Drain	0.1	Storm Drain	0.059019	Urban/Local	TXDOT, El Paso Water	OT, El Paso Water	No	N/A	0	No	No	Engineering Judgment (Append. 5B, Section 5B-6)	0.29	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300007	Install Flood Gates in Marfa and Monitoring Gage on North Alamo Creek and Highway 17	Add flood gates to roadways at 4 LWCs on Alamo Creek, and a monitoring gage/early detection on North Alamo Creek at Hwy 17 Bridge upstream of Marfa. This provides early warning for Emergency Management to deploy before imminent road flooding.	14005001, 14006001	Presidio County	130402020105	Preparedness	0.02	Preparedness	0.022346	Riverine	Marfa city	Marfa city, Presidio County	Yes	N/A	0	No	No	Engineering Judgment (Append. 5B, Section 5B-7)	0.00	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300009	Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	Coordinate with Hudspeth County Commissioners, Road & Bridge Departments, Safety & Inspection Departments, & County Attorney to draft a floodplain ordinance (or modify existing subdivision ordinance) to regulate development standards in Hudspeth County.	14001001, 14002001	Hudspeth County		Other	4552.1	Other	4552.1105	Riverine, Playa, Urban/Local	Hudspeth County	Hudspeth County	No	N/A	0	No	No	Engineering Judgment (Append. 5B, Section 5B-7)	0.56	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300011	SSA4	Detention Basin SSA4	14009003, 14009001, 14011001	El Paso	130401000204	Detention Pond	0.1	Detention Pond	0.068949	Riverine	El Paso County	El Paso County	No	\$148,929	0	No	No	Model IDs: 140000000016 and 140000000015	0.902	No	0.1	Yes	In alignment with RFPG and Stakeholder Goals
14300021	SOC4	Sediment/Detention Basin at "Mankato Arroyo"	14009003, 14009001, 14011001	El Paso	130401000307	Detention Pond	0.04	Detention Pond	0.040184	Riverine	El Paso County, EPCWID1	El Paso County, EPCWID1, Socorro city	No	\$238,300	0	No	No	Model IDs: 140000000021 and 140000000018	0.943	No	0.1	Yes	In alignment with RFPG and Stakeholder Goals
14300024	MON3	Sediment/Retention Basin	14009003, 14009001, 14011001	El Paso	130401000203	Detention Pond	1.3	Detention Pond	1.271493	Playa	El Paso County	El Paso County	No	\$82,670	0	No	No	Model IDs: 140000000019 and 140000000020	0.739	No	0.2	Yes	In alignment with RFPG and Stakeholder Goals
14300025	HAC3	Sediment/Retention Basin	14009003, 14009001, 14011001	El Paso	130401000307	Detention Pond	0.1	Detention Pond	0.073635	Riverine	El Paso County	El Paso County	No	\$461,900	0	No	No	Model IDs: 140000000021 and 140000000022	0.985	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300097	NW16	Expand channel from Village Ct to Doniphan Dr	14009003, 14009001	El Paso	130301020906	Channel	0.0	Channel	0.007918	Urban/Local	El Paso Water	El Paso Water	No	\$523,333	0	No	No	Model IDs: 140000000002 and 140000000001	0.889	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300100	NE38	Alcan Pond: new catch basin to capture FP15 upstream	14009003, 14009001, 14011001	El Paso	130401000103	Detention Pond	0.1	Detention Pond	0.054265	Urban/Local	El Paso Water	El Paso Water	No	\$393,222	0	No	No	Model IDs: 140000000031 and 140000000030	0.779	No	0.1	Yes	In alignment with RFPG and Stakeholder Goals
14300105	EA10A	Build sediment/detention basin upstream of Paseo del Este Drive	14009003, 14009001, 14011001	El Paso	130401000204	Detention Pond	0.02	Detention Pond	0.020387	Riverine	El Paso Water	Water, El Paso	No	\$9,647,000	0	No	No	Model IDs: 140000000029 and 140000000028	0.644	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300111	NW3	Construction of new larger capacity Doniphan Pump Station to replace PS1, with new force main directly to the Rio Grande. Install new catch basin with mechanical bar screen upstream of PS2.	14009003, 14009001	El Paso	130401000107	Storm Drain	0.3	Detention Pond	0.341811	Urban/Local	El Paso Water	El Paso Water	No	\$2,688,667	0	No	No	Engineering Judgment (Append. 5B, Section 5B-3)	0.786	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300113	NW26	Acquire land, construct a permanent wetland, install a storm drain system to Doniphan Drive, construct pipeline to Doniphan Pump Station and build new pump station to control flood levels.	14009003, 14009001	El Paso	130401000107	Detention Pond	0.2	Detention Pond	0.158172	Urban/Local	El Paso Water	El Paso Water	No	N/A	1	No	No	Engineering Judgment (Append. 5B, Section 5B-3)	0	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300116	EA9A	Build sediment/detention basin upstream of Paseo del Este Drive	14009003, 14009001, 14011001	El Paso	130401000204	Detention Pond	0.04	Detention Pond	0.043552	Riverine	El Paso Water	El Paso Water	No	\$915,154	0	No	No	Model IDs: 140000000029 and 140000000028	0.644	No	0	Yes	In alignment with RFPG and Stakeholder Goals
14300123	WC4	Construct a new 37.59 ac-ft pond to relieve roadway flooding on Mesa Street.	14009003, 14009001, 14011001	El Paso	130301020906	Detention Pond		Detention Pond	0.00940866	Urban/Local, Riverine	El Paso Water	El Paso Water	No	\$679,894	0	N	N	Engineering Judgment (Append. 5B, Section 5B-3)	0.767	N	0	Yes	In alignment with RFPG and Stakeholder Goals
14300118	VIN1	Construction of a diversion channel and two combination of sediment/detention basins.	14009003, 14009001, 14011001	El Paso	130301020804	Detention Pond/Channel		Detention Pond/Channel	0.0679	Riverine	El Paso County	El Paso County	No	\$151,496	0	N	N	Engineering Judgment (Append. 5B, Section 5B-3)	0.838	N	0	Yes	In alignment with RFPG and Stakeholder Goals
14300117	Gateway Ponds	Acquire land, expand the existing detention basin north of I-10. Construction of new larger capacity Pump Station with capacity of 350 cfs in the north pond, with new force main directly to the Rio Grande.	14009003, 14009001, 14011001	El Paso	130401000103, 130401000107	Detention Pond & Pump Station		Detention Pond & Pump Station	0.009515	Urban/Local, Riverine	El Paso Water	El Paso Water	No	\$525,364	0	N	N	Engineering Judgment (Append. 5B, Section 5B-3)	0.93478	N	0	Yes	In alignment with RFPG and Stakeholder Goals
14300121	Dallas Ponds	Acquire land, build new detention basin north of IH-10. Construction of new larger capacity Pump Station with capacity of 250 cfs in the basin with new force main directly to the Rio Grande.	14009003, 14009001, 14011001	El Paso	130401000103, 130401000107	Detention Pond & Pump Station		Detention Pond & Pump Station	0.010538	Urban/Local, Riverine	El Paso Water	El Paso Water	No	\$949,895	0	N	N	Engineering Judgment (Append. 5B, Section 5B-3)	0.983	N	0	Yes	In alignment with RFPG and Stakeholder Goals
14300120	Presidio	Retention & Detention Basin	14004002, 14009004, 14009002	Presidio	130402011406	Detention Pond		Detention Pond	0.003687	Urban/Local	RGCOG, Presidio County, TXDOT, USIBWC, USACE	Presidio County, TXDOT, USIBWC, USACE	N	\$513,437	0	N	N	Engineering Judgment (Append. 5B, Section 5B-3)	0.9512	N	0	Yes	In alignment with RFPG and Stakeholder Goals
14300122	WC1	Sediment Retention Basin	14004001, 14009003, 14009001	El Paso	130301020906	Detention Pond		Sediment Retention Pond	0.00176947	Urban/Local	El Paso Water, El Paso County	El Paso Water, El Paso County	N	\$43,740	0	N	N	Engineering Judgment (Append. 5B, Section 5B-3)	0.592	N	0	Yes	In alignment with RFPG and Stakeholder Goals
14300119	City of Pecos	Retention Basin	14004002	Reeves	13070010903	Detention Pond		Detention Pond	0.05	Urban/Local, Playa, Riverine	Pecos City, Lindsay CDP, Reeves County, TXDOT	Pecos City, Lindsay CDP, Reeves County, TXDOT	N	\$218,843	0	N	N	Engineering Judgment (Append. 5B, Section 5B-3)	0.512864475	N	0	Yes	In alignment with RFPG and Stakeholder Goals