

## **Appendix 1C**

### **Proposed or Ongoing Flood Mitigation Projects Summary**

Appendix Table 1C: Proposed or Ongoing Flood Mitigation Projects Summary

Existing Project ID	Existing Project Name	Description	Counties	Project Status	Project Cost (\$)	Dedicated Funding for Construction	Planned Funding Source	Expected Completion Year	Anticipated Benefit
14000001	SOC1 & SOC2	Sediment/Detention Basin - SOC1; Sediment/Detention Basin - SOC2 (design not yet started); 51% will be a 0% interest loan; 49% will be a Flood Infrastructure Fund (FIF) grant	El Paso	Proposed	\$4,960,000	No	TWDB FIF, El Paso County – Pending (invited for submission of full FIF application)	2025	Mitigate downstream flooding and sediment load due to uncontrolled flows from Stream 4 through the breached El Paso Hills Dam
14000002	SSA1	Detention Basin SSA1 (design not yet started)	El Paso	Proposed	\$34,530,000	Yes	TWDB FIF, El Paso County	2024	Mitigate uncontrolled flows from arroyos A1, A2, and A3 causing flooding problems in downstream communities
14000003	HAC7	Sediment/Detention Basin at Location A; Sediment/Detention Basin at Location B (design currently ongoing)	El Paso	Proposed	\$5,990,000	Yes	TWDB FIF, El Paso County, City of El Paso	2025	Mitigate downstream flooding and sediment load due to uncontrolled flows from Stream 13.5
14000004	EA6A	Sam Snead Storm Drain System (Pico Norte to Lee Trevino) (currently under construction)	El Paso	Ongoing	\$4,532,000	Yes	El Paso Water CIP	2022	Mitigate street flows that travel too far over flat slopes causing flooding, street closures, and damage from Pico Norte St. to Lee Trevino Blvd
14000005	Keystone Dam Seepage Improvements	At Keystone Dam, install a toe drain, a toe berm, and a seepage collection system consisting of concrete lined ditch with a weir (in design by USACE)	El Paso	Proposed	\$1,500,000	Yes	USACE, El Paso Water	2024	Prevention of surficial erosion issues on Keystone Dam protecting urban area along Doniphan Drive
14000006	CAN1	Reconstruction of the channel with concrete lining	El Paso	Proposed	\$1,960,000	No	TWDB FIF, El Paso County – Pending (invited for submission of full FIF application)	2025	Stabilizes the existing channel and adds sufficient capacity to relieve flooding residences adjacent to the channel.
14000008	SSA6	Constructing 2 retention basins west of Sparks Arroyo. North basin ~8 ac-ft w/ 940-ft concrete channel from north and 390-ft concrete channel from south. South basin ~13 ac-ft w/ 980-ft concrete channel from north and 250-fot concrete channel from south	El Paso	Proposed	\$2,700,000	Yes	Design and Construction of project to be funded by El Paso County for \$1,210,000 through CIP fund.	2024	Mitigate downstream flooding and sediment load due to runoff from the Sparks Community downstream of the Sparks Arroyo.
14000009	VIN12	Adding three more 9-foot by 5-foot culverts to the existing battery of culverts.	El Paso	Proposed	\$270,000	Yes	Design and Construction of project to be funded by El Paso County for \$70,000 through CIP fund.	2024	Stabilizes the crossing and adds sufficient capacity equal to the upstream end to relieve flooding.
140000010	SSA3	Constructing a 21 ft deep w/106 acre-ft of excavation for flood and sediment pool storage. detention basin near the lower end of Arroyos 5 and 6 at a location owned by the County. The outlet structure for this basin consists of a 2-foot RCP.	El Paso	Proposed	\$1,510,000	No	Project has been approved for design documents through County CIP fund for \$151,000. Committed funding for construction has not been identified.	2024	Mitigate flooding problems for downstream communities from the uncontrolled flows from Arroyos A5 and A6
140000011	FAB3	Constructing 1,165 ft of 4-ft-high parapet wall along the crest of Fabens Dam. East auxiliary spillway will be widened 100 feet to a total width of 150 feet.	El Paso	Proposed	\$1,750,000	No	Project has been approved for design documents through County CIP fund for \$175,000. Committed funding for construction has not been identified.	2024	Mitigate the issue that the dam will not pass the 75% PMP

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140000012	VIN6	Removing the existing 16-foot by 5-foot culvert and replacing it with three 9-foot by 8-foot culverts.	El Paso	Proposed	\$880,000	No	Project has been approved for design documents through County CIP fund for \$88,000. Committed funding for construction has not been identified.	2024	Stabilizes the crossing and adds sufficient capacity equal to the upstream end to relieve flooding.
140000013	FAB1	Constructing a sediment/retention basin at the base of Fabens North 1. Basin embankment will be 15 feet high with 18-inch riprap on the interior face, and a box culvert principal outlet. Embankment height includes 5 feet of freeboard for PMP event.	El Paso	Proposed	\$3,310,000	No	Project has been approved for design documents through County CIP fund for \$331,000. Committed funding for construction has not been identified.	2024	Mitigate downstream flooding and sediment load due to uncontrolled flows from Fabens North 1.
140000014	CE Dam 2	Upgrade Dam to meet TCEQ requirements	El Paso	Proposed	\$2,000,000	No	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year '22-'23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2023	Upgrade Dam to meet TCEQ requirements
140000015	NW9	Construction of new debris and volume Dam to prevent breach of existing channel.	El Paso	Proposed	\$3,000,000	Yes	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year '22-'23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2024	Mitigate breach of existing channel
140000016	CE Dam 10	Upgrade Dam to meet TCEQ requirements	El Paso	Proposed	\$600,000	No	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year '22-'23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2023	Upgrade Dam to meet TCEQ requirements

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140000017	CE Dam 4	Upgrade Dam to meet TCEQ requirements	El Paso	Proposed	\$1,750,000	Yes	There is a request for City Council to authorize \$25M within the next 9 months to pay-off a line of credit for CIP drainage projects for Fiscal Year ‘22-‘23. Other sources of funding are FIF, bonds, grants, and pay as you go funding estimated at \$8.7M.	2022	Upgrade Dam to meet TCEQ requirements
140000018	NE3A	New Will Ruth Pond to catch FP 15 midstream	El Paso	Proposed	\$26,300,000	Yes	TWDB FIF, EPWater Municipal Drainage Utility Revenue Bonds Series 2022	2025	The project will remove about 600 homes from the floodplain, prevent private property damage, reduce flooding of major streets, and increase safe traffic flow through Northeast El Paso
140000019	WC6A	Improve existing dam, build new basin	El Paso	Proposed	\$5,600,000	Yes	EPWater CIP	2024	Reduce risk of sediment blockage of culverts under streets (Campbell, Kansas, Stanton, Mesa) and associated flooding
140000020	MidV1	Add pumps in empty bays and upgrade electrical service of Clardy Fox PS	El Paso	Proposed	\$5,100,000	Yes	\$3,825,000 USACE; \$1,275,000 EPWater CIP	2024-2025	storm sewer system is being improved in the Clardy Fox neighborhood and current PS capacity is not enough to handle
140000021	MV7	Increase existing culvert capacity to two 5-ft x 5-ft concrete box culverts	El Paso	Ongoing	\$200,000	Yes	EPWater CIP	2022	The following crossing on Playa Drain is undersized: Just Downstream of Yarbrough Drive (one 36-inch RCP).
140000022	NE9	Placing RCP culverts to divert Flowpath from Northgate Diversion Channel to Northgate Dam	El Paso	Proposed	\$5,400,000	Yes	EPWater paying 25%, USACE paying 75%, \$5.4M total for design and construction, EPWater funding \$1.35M, Expected to complete by 2025	2025	Relieves flooding and erosion issues at intersection of Hondo Pass Ave. and Hondo Pass Dr. due to flow from Northgate Diversion Channel