

Item No.	Project Description	Database ID No.	BES	Previous Expenditures			2022			2023			2024			2025			2026			2027			Total																							
				Phase	Amount	Source	Phase	Amount	Source	Phase	Amount	Source	Phase	Amount	Source	Phase	Amount	Source	Phase	Amount	Source	Phase	Amount	Source																								
RIVER & FLOOD																																																
19	Marietta Acquisition: Acquire properties in repetitive flood loss area and remove structures	07-002	79.6	RW/CN	\$ 662,000	FCZD	RW			RW			RW			RW			RW			RW			Total through '21																							
				RW/CN	\$ 1,044,000	FEMA Fed/State grant	RW	\$50,000		RW	\$100,000		RW	\$100,000		RW	\$100,000		RW	\$100,000		RW	\$100,000		RW	\$100,000		\$ 1,851,000																				
				RW/CN	\$ 145,000	ESRP grant	CN	\$25,000		CN	\$25,000		CN	\$25,000		CN	\$25,000		CN	\$25,000		CN	\$25,000		CN	\$25,000		FCZD Total:																				
																									\$ 662,000																							
20	Marine Drive Levee 2020 Damage Repair: Repair crest and backslope damage from February 2020 flood	20-001	61.4	PE	\$ 11,000	FCZD	PE	\$ 4,000	FCZD	PE			PE			PE			PE			PE			Project Total:																							
				PE	\$ 32,000	FEMA	PE	\$ 11,000	FEMA	PE			PE			PE			PE			PE			PE	\$ 393,000																						
				CN			CN	\$ 80,000	FCZD	CN	\$ 4,000	FCZD	CN			CN			CN			CN			CN			FCZD Total:																				
																									\$ 99,000																							
21	Abbott Levee Protection and Improvement: Interim erosion protection measures for levee & road (Ph. 1); Extend and realign upstream end of levee (Ph. 2 - SWIF project)	16-007	70.4	PE	\$ 421,000	FCZD/Roads	PE	\$ 310,000	FCZD/Roads (50/50)	PE	\$ 50,000		PE	\$ 50,000	FCZD/Roads (50/50)	PE			PE			PE			Phase 1 Total:																							
				CN	\$ 609,000	FCZD/Roads	PE			RW	\$ 75,000	FCZD/Roads (50/50)	CN	\$ 1,000,000	FCZD	CN			CN			Phase 1 Total:	\$ 1,030,000																									
				CN			CN			CN	\$ 1,300,000	Roads	CN			CN			CN			CN			CN																							
																									\$ 99,000																							
22	Lynden Levee Improvement: Combine drainages and replace two culverts through levee with one larger culvert; repair 2 damaged levee sites (USACE and SWIF project)	16-003	64.5	PE	\$ 55,000	FCZD	PE			PE			PE			PE			PE			PE			Project Total:																							
				PE	\$ 218,000	FbD	PE			PE			PE			PE			PE			PE			PE	\$ 1,766,000																						
				CN	\$ 288,000	FCZD	CN	\$ 19,000	FCZD	CN			CN			CN			CN			CN			CN			(See Note 1)																				
				CN	\$ 308,000	FbD grant	CN	\$ 36,000	FbD grant	CN			CN			CN			CN			CN			CN			FCZD Total:																				
				CN	\$ 842,000	USACE	CN			CN			CN			CN			CN			CN			CN			CN	\$ 362,000																			
23	Jones Creek Debris Flow Protection: Construct deflection berm and address local access	07-105	70.6	PE	\$ 698,000	FCZD	PE	\$ 126,000	FCZD	PE	\$ 40,000		PE	\$ 40,000		PE			PE			PE			Project Total:																							
				RW	\$ 535,000	FCZD	PE	\$ 54,000	Roads	PE			PE			PE			PE			PE			PE	\$ 6,872,000																						
				RW	\$ 350,000	FEMA/State grant	PE	\$ 50,000	Roads	PE			PE			PE			PE			PE			PE			Project Total:																				
				RW	\$ 1,485,000	FbD grant	CN	\$ 31,000	FCZD	CN	\$ 1,300,000		CN	\$ 2,000,000		CN			CN			CN			CN			PE	\$ 6,872,000																			
				CN	\$ 26,000	FCZD	CN	\$ 124,000	FbD grant	CN			CN			CN			CN			CN			CN			CN																				
24	Cougar Creek Early Action Project/Neevel Levee Bank Stabilization: Stabilize oversteepened section of levee (SWIF project) with new flood gate and restoration (FLIP project)	16-008	59.4	PE	\$ 70,000	FCZD	PE	\$ 19,000	FCZD	PE	\$ 25,000		PE			PE			PE			PE			Project Total:																							
				PE	\$ 105,000	NOAA grant	PE	\$ 76,000	FbD grant	PE			PE			PE			PE			PE			PE	\$ 1,660,000																						
				CN			CN			CN	\$ 1,350,000		CN	\$ 15,000		CN			CN			CN			CN																							
25	Everson Overflow Pipeline Bank Stabilization: Stabilize bank at erosion site from 2020 flood downstream of pipeline crossing	20-002	66.3	PE	\$ 35,000	FCZD	PE	\$ 45,000	FCZD	PE	\$ 40,000		PE			PE			PE			PE			Project Total:																							
				PE	\$ 104,000	FEMA	PE	\$ 135,000	FEMA	PE			PE			PE			PE			PE			PE	\$ 235,000																						
				CN			CN			CN			CN	\$ 1,000,000		CN			CN			CN			CN																							
26	Truck Road 2020 Flood Damage: Evaluate alternatives for road relocation and bank stabilization	20-003	59.4	PE	\$ 22,000	FCZD	PE	\$ 36,000	FCZD	PE	\$ 50,000		PE			PE			PE			PE			Project Total:																							
				PE	\$ 22,000	Roads	PE	\$ 36,000	Roads	PE			PE			PE			PE			PE			PE	\$ 6,872,000																						
				PE	\$ 132,000	FEMA	PE	\$ 218,000	FEMA	PE			PE			PE			PE			PE			PE			Project Total:																				
				RW	\$ 40,000	FCZD	RW			CN	\$ 3,000,000		CN			CN			CN			CN			CN			PE	\$ 6,872,000																			
				RW	\$ 40,000	Roads	RW			CN			CN			CN			CN			CN			CN			CN																				
27	Bertrand Creek Levee Stabilization: Restore right and left levee prisms and install bank protection (SWIF project)	16-005	54.4	PE	\$ 20,000	FCZD	PE	\$ 35,000	FCZD	PE			PE			PE			PE			PE			Project Total:																							
							CN	\$ 225,000	FCZD	CN			CN			CN			CN			CN			CN	\$ 320,000																						
				CN			CN	\$ 25,000	DD#4?	CN	\$ 15,000		CN			CN			CN			CN			CN																							
28	Devries Levee Improvements: Widen and establish full crest width and backslope levee (SWIF project)	19-001	49.3	PE			PE			PE	\$ 10,000		PE	\$ 10,000		PE	\$ 25,000		PE	\$ 25,000		PE			Project Total:																							
				CN			CN			CN			CN			CN	\$ 200,000		CN	\$ 200,000		CN			CN	\$ 235,000																						
29	Upper Hampton Levee Improvements: Widen levee crest and flatten backslope at two sites and address seepage at a third site (SWIF project)	16-006	70.4	PE	\$ 1,000	LE Subzone	PE			PE			PE	\$ 5,000		PE	\$ 5,000		PE	\$ 25,000		PE	\$ 5,000		Project Total:																							
				CN		Under Lynden project	RW			RW			RW			RW			RW			RW			RW	\$ 262,000																						
				CN	\$ 6,000	USACE	CN			CN			CN	\$ 20,000		CN			CN			CN	\$ 200,000		CN																							
30	Ferndale Levee Improvement: Reconstruct and realign Ferndale and Treatment Plant Levees to improve level of protection and address deficiencies	07-104	68.9	PE	\$ 74,000	FCZD	PE	\$ 116,000	FCZD	PE	\$ 31,000	FCZD	PE	\$ 255,000		PE	\$ 50,000		PE	\$ 50,000		PE	\$ 50,000		Construction																							
				PE	\$ 298,000	FbD grant	PE	\$ 462,000	FbD grant	PE	\$ 124,000	FbD grant	RW	\$ 100,000		RW			RW			RW			RW	\$ 50,000	Expected																					
				RW			CN									CN	\$ 2,000,000		CN	\$ 5,000,000		CN	\$ 1,000,000		CN			in 2025-27																				
31	Glacier-Gallup Alluvial Fan Restoration: Remove all or part of Glacier Creek levee and construct setback levee along Gallup Creek	18-006	88.9	PE	\$ 63,000	FCZD	PE	\$ 105,000	FCZD	PE	\$ 100,000		PE	\$ 100,000		PE	\$ 100,000		PE	\$ 100,000		PE			Construction																							
				PE	\$ 254,000	FbD grant	PE	\$ 220,000	FbD grant	PE			PE			PE			PE			PE			PE	\$ 50,000	Expected																					
				RW			RW	\$ 500,000		RW	\$ 100,000		RW			RW			RW			RW			RW			in 2026																				
32	Dahlberg Wetland Mitigation Site: Develop advance mitigation site for future impacts from Flood and Road projects	20-004	66.3	PE	\$ 18,000	FCZD	PE	\$ 160,000	FCZD	PE	\$ 100,000		PE	\$ 100,000		PE	\$ 100,000		PE	\$ 100,000		PE	\$ 100,000		Project Total:																							
				RW	\$ 814,000	FCZD	CN			CN			CN	\$ 1,000,000		CN			CN	\$ 500,000		CN			CN	\$ 100,000																						
				CN	\$ 17,000	FCZD	CN			CN			CN			CN			CN			CN			CN																							
33	Floodplain Acquisition: Acquire key properties for future levee reconfiguration to reduce risk and improve habitat (may include land for Glacier-Gallup depending on timing of purchase)	07-002	79.6	RW	\$ 300,000	FCZD	RW	\$ 212,000	FCZD	RW	\$ 300,000	FCZD	RW			RW	\$ 1,000,000		RW			RW			Project Total:																							
				RW	\$ 828,000	FbD grant	RW	\$ 848,000	FbD grant	RW	\$ 1,200,000	FbD grant	RW			RW			RW			RW			RW																							
34	Emergency/New Projects: Typically repair projects that result from new damage, as needed	08-003	Varies	PE	\$ 25,000	FCZD	PE	\$ 25,000		PE	\$ 25,000		PE	\$ 25,000		PE	\$ 25,000		PE	\$ 25,000		PE	\$ 25,000		Project Total:																							
				RW			RW			RW			RW			RW			RW			RW			RW			Total/year:																				
				CN	\$ 50,000	Local sponsor	CN	\$ 50,000		CN	\$ 50,000		CN	\$ 50,000		CN	\$ 50,000		CN	\$ 50,000		CN	\$ 50,000		CN	\$ 50,000		\$ 425,000																				
				NOTES			KEY																																									
				Numbers in <i>italics</i> are placeholders for projects still being conceived.			BES = Benefit Evaluation Score (from CWIRP database)																																									
				Previous expenditures includes work contracted in 2020 that will continually appropriate into 2021.			RW = right-of-way or property acquisition																																									
				Note 1: Estimated total project cost includes work done by U.S. Army Corps of Engineers (USACE) and funded directly by USACE.			PE = engineering design																																									
							CN = construction																																									