



General Project Data														
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-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status
Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	143000009	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.	Region 14	Other	Category 1	Upper Rio Grande	N	\$50,000.00		N/A	N/A	N/A	N/A	Planning
HAC3	143000025	Sediment/Retention Basin	Region 14	Detention Pond	Category 2	Upper Rio Grande	N	\$4,619,000.00	0	\$461,900	N/A	100	10	Planning
EA10A	143000105	Build sediment/detention basin upstream of Paseo del Este Drive	Region 14	Detention Pond	Category 2	Upper Rio Grande	N	\$9,647,000.00	0	\$9,647,000	N/A	500	17	Preliminary Design
SOC4	143000021	Sediment/Detention Basin at "Mankato Arroyo"	Region 14	Detention Pond	Category 2	Upper Rio Grande	N	\$2,383,000.00	0.1	\$238,300	N/A	100	10	Planning
NW16	143000097	Expand channel from Village Ct to Doniphan Dr	Region 14	Channel	Category 2	Upper Rio Grande	N	\$1,570,000.00	0	\$523,333	N/A	100	3	Planning
Small pond at San Elizario	143000003	Construct a new 0.34 ac-ft to relieve roadway flooding. Described as Alternative 3 from 12/5/2018 City of San Elizario "Drainage Feasibility Study".	Region 14	Detention Pond	Category 2	Upper Rio Grande	N	\$224,000.00	0	N/A	N/A	100	0	Planning
NW3	143000111	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.	Region 14	Storm Drain	Category 2	Upper Rio Grande	N	\$7,810,000.00	0	\$2,688,667	N/A	100	6	Planning



Project Name	FMP ID	Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)				Score 2: Severity - Community Need (% Population)						Score 3: Flood Risk Reduction				
		Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1	Communities Served by Project	Community Population Served	Flood Plain Population	Notes 2	Severity Ranking: Community Need (% Population)	Score 2	# of Structures Removed from 1% Annual Chance FP	Notes 3	Flood Risk Reduction	Score 3	
Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	143000009	N/A			0	Hudspeth County					<25% of project community affected		N/A			0
HAC3	143000025	0.150		Baseline average flood depth < 0.5ft	2	El Paso County	753577	23	0.31%	<25% of project community affected		10.00	100.00%	Reduced risk to >75% of structures in floodplain		
EA10A	143000105	1.147		Baseline average flood depth > 1ft	6	El Paso City, Sorroco City	753577	287	0.04%	<25% of project community affected		1.00	5.88%	Reduced risk to <10% of structures in floodplain		
SOC4	143000021	0.598		Baseline average flood depth > 0.5ft	4	El Paso County	753577	26	0.00%	<25% of project community affected		10.00	100.00%	Reduced risk to >75% of structures in floodplain		
NW16	143000097	1.316		Baseline average flood depth > 1ft	6	El Paso City	753577	12	0.00%	<25% of project community affected		3.00	100.00%	Reduced risk to >75% of structures in floodplain		
Small pond at San Elizario	143000003		No Depth Available	Baseline average flood depth < 0.5ft	2				#DIV/0!	<25% of project community affected		0.00	100.00%	Reduced risk to 0 structures in floodplain		
NW3	143000111	0.618		Baseline average flood depth > 0.5ft	4	El Paso City	753577	37	0.00%	<25% of project community affected		6.00	100.00%	Reduced risk to >75% of structures in floodplain		



Project Name	FMP ID	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction			
		# of Structures with Reduced 1% Annual Chance Flood Risk	Pre-Project Damage \$	Post-Project Damage \$	Notes 4	Flood Damage Reduction	Score 4	# of Critical Facilities Removed from 1% Annual Chance FP	Notes 5	Reduction in Critical Facilities Flood Risk	Score 5
Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	143000009	N/A					0	N/A			0
HAC3	143000025	10	\$104,578.94	\$0.00		100.00%	10	0		Reduced risk for 0 structures in floodplain	0
EA10A	143000105	8.00	\$214,923.32	\$121,861.34		43.30%	4	0		Reduced risk for 0 structures in floodplain	0
SOC4	143000021	10	\$432,110.24	\$0.00		100.00%	10	0		Reduced risk for 0 structures in floodplain	0
NW16	143000097	11	\$225,771.33	\$0.00		100.00%	10	0		Reduced risk for 0 structures in floodplain	0
Small pond at San Elizario	143000003	0	\$0.00	\$0.00			0	0			0
NW3	143000111	6	\$230,709.40	\$0.00		100.00%	10	1		Reduced risk for 1 structure in floodplain	10



Project Name	FMP ID	Score 6: Life and Safety				Score 7: Water Supply						Score 8: Social Vulnerability			
		Adjusted Injury Risk (%)	Notes 6	Life and Safety Ranking (Injury/ Loss of Life)	Score 6	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8
Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	143000009	N/A			0	N/A					0	N/A			0
HAC3	143000025	2.036		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.985		SVI between 0.75-1.00 (high vulnerability)	
EA10A	143000105	2.632		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.644		SVI between 0.5-0.75 (moderate to high vulnerability)	
SOC4	143000021	2.737		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.943		SVI between 0.75-1.00 (high vulnerability)	
NW16	143000097	5.920		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.889		SVI between 0.75-1.00 (high vulnerability)	
Small pond at San Elizario	143000003	0.000		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0	No Option for 0	SVI between 0.01-0.25 (low vulnerability)	0
NW3	143000111	12.691		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.786		SVI between 0.75-1.00 (high vulnerability)	



Project Name	FMP ID	Score 9: Nature-Based Solution				Score 10: Multiple Benefites				Score 11: O&M			
		% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefites Description	Notes 10	Multiple Benefit Ranking	Score 10	O&M Cost (Annual)	Notes 11	Operations and Maintenance Ranking	Score 11
Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	143000009	N/A			0	N/A			0	N/A			0
HAC3	143000025	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7
EA10A	143000105	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7
SOC4	143000021	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7
NW16	143000097	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7
Small pond at San Elizario	143000003	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7
NW3	143000111	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		0		0	0



Project Name	FMP ID	Score 12: Admin, Regulatory Obstacles			Score 13: Environmental Benefit			Score 14: Environmental Impact		
		Notes 12	Administrative, Regulatory and Other Obstacle Ranking	Score 12	Notes 13	Environmental Benefit Ranking	Score 13	Notes 14	Environmental Impact Ranking	Score 14
Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	14300009	Project dependent. Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats; cultural resources may be affected based on project soil disturbance.		6	Expected to increase Section 404 permitting/regulatory compliance		6	Project dependent. Potential occurrence of T&E species, cultural resources.		6
HAC3	14300025	Potential for impacts to protected species and stream channels. National Register district compliance.		6	Captures sediment coming down the arroyos		6	The state threatened Texas horned lizard may be present in open habitats		3
EA10A	143000105	Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats.		6	Captures sediment coming down the arroyos		6	Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats.		3
SOC4	143000021	Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats. National Register district compliance.		3	Uncontrolled flows within Mankato Arroyo can lead to flooding in nearby residences and agricultural land. Detention basin will capture sediment and reduce deposition downstream and detain flows, slowly releasing the water downstream.		6	Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats.		3
NW16	143000097	Low potential for impacts to protected species. National Register district compliance.		10	Captures sediment coming down the arroyos		3	Low potential for impacts to protected species.		6
Small pond at San Elizario	143000003	Potential steam and cultural resources impacts. National Register district compliance.		6	Mitigate flooding events and keep trash from accumulating downstream from flood waters.		6	Low potential for impacts to protected species.		6
NW3	143000111	Low bird nesting potential along proposed new force main.		6	Catch screen will filter out trash and debris from drainage.		3	Low bird nesting potential along proposed new force main.		3



Project Name	FMP ID	Score 15: Mobility				Score 16: Regional		
		Traffic Count for LWC Project	Notes 15	Mobility Ranking	Score 15	Project Count	Regional Ranking	Score 16
Develop and Implement Floodplain Ordinance to Regulate Development at Hudspeth County	143000009	N/A			0			
HAC3	143000025	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			
EA10A	143000105	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			
SOC4	143000021	0		Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10			
NW16	143000097	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			
Small pond at San Elizario	143000003	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			
NW3	143000111	0		Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10			



General Project Data														
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-Service	Post-Project Level-of-Service	# of Structures in 1% Annual Chance FP (Pre-Project)	Project Status
SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	143000005	Improvements to inlet and culvert capacities at 14 crossings, with cost estimates and prioritizations available.	Region 14	Storm Drain	Category 4	Upper Rio Grande	N	\$3,745,000.00		N/A	<5	10		Planning
MON3	143000024	Sediment/Retention Basin	14	Detention Pond	Category 2	Upper Rio Grande	N	\$27,033,000.00	0.2	\$83,693	N/A	100	756	Planning
NW26	143000113	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.	14	Storm Drain	Category 2	Upper Rio Grande	N	\$35,568,000.00	0	N/A	N/A	100	0	Planning
SSA4	143000011	Detention Basin SSA4	14	Detention Pond	Category 2	Upper Rio Grande	N	\$14,744,000.00	0	\$148,929	N/A	100	185	Planning
NE3B	143000100	Alcan Pond: new catch basin to capture FP15 upstream	14	Detention Pond	Category 2	Upper Rio Grande	N	\$21,234,000.00	0.1	\$393,222	N/A	100	136	Planning
Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	143000007	Add flood gates to Alamito Creek low water crossings in Marfa, and a monitoring gage/early detection on North Alamito Creek under Hwy 17 Bridge (between Marfa and the airport). This would provide 5-10 minutes early warning to allow Presidio County Office of Emergency Management to deploy before imminent road flooding.	14	Low Water Crossing	Category 4	Upper Rio Grande	Y	\$358,000		N/A	<5	<5		Planning
EA9A	143000116	Build sediment/detention basin upstream of Paseo del Este Drive	14	Detention Pond	Category 2	Upper Rio Grande	N	\$11,897,000.00	0	\$915,154	N/A	500	17	Preliminary Design



Project Name	FMP ID	Score 1: Severity - Pre-Project Average Depth of Flooding (100-year)				Score 2: Severity - Community Need (% Population)						Score 3: Flood Risk Reduction			
		Average Flood Depth (100yr)	Notes	Severity Ranking: Pre-Project Average Depth of Flooding (100-year)	Score 1	Communities Served by Project	Community Population Served	Flood Plain Population	Notes 2	Severity Ranking: Community Need (% Population)	Score 2	# of Structures Removed from 1% Annual Chance FP	Notes 3	Flood Risk Reduction	Score 3
SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	143000005					El Paso City	753577		0.00%	<25% of project community affected					
MON3	143000024	1.373		Baseline average flood depth > 1ft	6	Homestead Meadows CDP, Homestead Meadows South CDP, Butterfield CDP	13892	1977	14.23%	<25% of project community affected		323.00	42.72%	Reduced risk to <50% of structures in floodplain	
NW26	143000113	0	No Structure Inundated	Baseline average flood depth < 0.5ft		El Paso City	753577		0.00%	<25% of project community affected		0.00	100.00%	Reduced risk to 0 structures in floodplain	
SSA4	143000011	0.727		Baseline average flood depth > 0.5ft	4	Sorroco City, Sparks CDP	38954	564	1.45%	<25% of project community affected		99.00	53.51%	Reduced risk to <75% of structures in floodplain	7
NE3B	143000100	0.704		Baseline average flood depth > 0.5ft	4	El Paso City	753577	615	0.08%	<25% of project community affected		54.00	39.71%	Reduced risk to <50% of structures in floodplain	
Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	143000007	N/A			0	Hudspeth County			0.00%	<25% of project community affected		N/A			0
EA9A	143000116	1.147		Baseline average flood depth > 1ft	6	Homestead Meadows CDP, Homestead Meadows South CDP, Butterfield CDP	753577	287	0.04%	<25% of project community affected		13.00	16.67%	Reduced risk to <50% of structures in floodplain	



Project Name	FMP ID	Score 4: Flood Damage Reduction						Score 5: Critical Facilities Damage Reduction			
		# of Structures with Reduced 1% Annual Chance Flood Risk	Pre-Project Damage \$	Post-Project Damage \$	Notes 4	Flood Damage Reduction	Score 4	# of Critical Facilities Removed from 1% Annual Chance FP	Notes 5	Reduction in Critical Facilities Flood Risk	Score 5
SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	143000005							0			0
MON3	143000024	655	\$30,463,281.10	\$14,206,208.46		53.37%	6	0		Reduced risk for 0 structures in floodplain	0
NW26	143000113	0						0		Reduced risk for 0 structures in floodplain	0
SSA4	143000011	185	\$8,172,542.49	\$2,996,393.30		63.34%	6	0		Reduced risk for 0 structures in floodplain	0
NE3B	143000100	98	\$7,162,934.59	\$3,198,310.01		55.35%	4	0		Reduced risk for 0 structures in floodplain	0
Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	143000007	N/A					0				0
EA9A	143000116	17	\$856,242.65	\$86,909.50		89.85%	8	0		Reduced risk for 0 structures in floodplain	0



Project Name	FMP ID	Score 6: Life and Safety				Score 7: Water Supply						Score 8: Social Vulnerability			
		Adjusted Injury Risk (%)	Notes 6	Life and Safety Ranking (Injury/Loss of Life)	Score 6	Water Supply Benefit in Acre-Feet	SourceID	WMS_ID	Notes 7	Water Supply Yield Ranking	Score 7	SVI Score	Notes 8	Social Vulnerability Ranking	Score 8
SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	143000005	0.000				0									
MON3	143000024	13.544		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.739		SVI between 0.5-0.75 (moderate to high vulnerability)	
NW26	143000113	0.000		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0			0
SSA4	143000011	4.032		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.902		SVI between 0.75-1.00 (high vulnerability)	
NE3B	143000100	8.958		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.779		SVI between 0.75-1.00 (high vulnerability)	
Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	143000007	0.000		Life/injury risk percentage <20%	2	0				No impact on water supply	0	N/A			0
EA9A	143000116	2.632		Life/injury risk percentage <20%	2	0				No impact on water supply	0	0.644		SVI between 0.5-0.75 (moderate to high vulnerability)	



Project Name	FMP ID	Score 9: Nature-Based Solution				Score 10: Multiple Benefites				Score 11: O&M			
		% Nature Based Solution by Cost	Notes 9	Nature-Based Solutions Ranking	Score 9	Multiple Benefites Description	Notes 10	Multiple Benefit Ranking	Score 10	O&M Cost (Annual)	Notes 11	Operations and Maintenance Ranking	Score 11
SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	143000005							0	0	0		0	0
MON3	143000024	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7
NW26	143000113	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		0		0	0
SSA4	143000011	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7
NE3B	143000100	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		0		0	0
Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	143000007						0	0	0	0		0	0
EA9A	143000116	0.00%			0		G	Project delivers benefits in only 1 wider benefit category		\$10,000.00		Project requires regular, ongoing operation and maintenance; and/or O&M requirements are well defined (Regular)	7



Project Name	FMP ID	Score 12: Admin, Regulatory Obstacles			Score 13: Environmental Benefit			Score 14: Environmental Impact		
		Notes 12	Administrative, Regulatory and Other Obstacle Ranking	Score 12	Notes 13	Environmental Benefit Ranking	Score 13	Notes 14	Environmental Impact Ranking	Score 14
SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	143000005	Potential for impacts to stream channels.		6	Improvements to inlet and culvert capacities will help facilitate flow of stormwater.		6	Low potential for impacts to protected species.		3
MON3	143000024	High bird nesting, reptile, and mammal habitat potential throughout project area. Low amphibian habitat potential in low, depressional areas. Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats.		6	Prevents flooding, trash accumulation, and ponding of water near residential areas. Project will also confine channel		6	Potential for impacts to protected species and stream channels.		3
NW26	143000113	Moderate bird nesting, mammal, and reptile potential habitat adjacent to Rio Grande River. Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats.		6	Construction of artificial wetland will improve wildlife habitat and water quality in the area. Pump station will prevent future floods.		6	Proposed constructed wetland is directly adjacent to but not connected to Segment 2314 of the Rio Grande River, TCEQ classifies this portion of the river as impaired due to bacteria in water.		3
SSA4	143000011	Moderate bird nesting, mammal, and reptile potential habitat adjacent to arroyo. Federally listed southwestern willow flycatcher and western yellow-billed cuckoo could occur in riparian habitats		3	Mitigate flooding events and keep sediment and/or trash from washing downstream during severe storms.		6	Potential for impacts to protected species and stream channels.		3
NE3B	143000100	No state or federally listed species are likely to occur within or adjacent to the project area.		10	Mitigate flooding events and keep trash from accumulating downstream from flood waters.		6	Low potential for impacts.		6
Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	143000007	Low potential for impacts to protected species.		10			3	Low potential for impacts.		6
EA9A	143000116	Low potential for impacts to protected species; cultural resources due diligence survey recommended		6	Captures sediment coming down the arroyos		6	Low potential for impacts.		6



Project Name	FMP ID	Score 15: Mobility				Score 16: Regional		
		Traffic Count for LWC Project	Notes 15	Mobility Ranking	Score 15	Project Count	Regional Ranking	Score 16
SH20 Drainage Improvements from Doniphan Drive to Texas Avenue	143000005	0						
MON3	143000024	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			
NW26	143000113	0		Project will protect major and minor access routes in floodplain and emergency service access to EMS, police stations, and fire stations. Allows emergency services access to the entire administrative area.	10			
SSA4	143000011	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			
NE3B	143000100	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			
Install Flood Gates in Marfa and Monitoring Gage on North Alamito Creek and Highway 17	143000007	0						
EA9A	143000116	0		Project provides no change to major, minor, or emergency access routes in the project area.	0			