

Project Ranking	Project Description	Project Score	Project Number
1	Containment Structure upstream of I-19 Bridge	8.50	1
2	Install downstream erosion protection at Country Club Rd	8.00	7
3	Install outlet protection at RCBC under Alvernon, near Los Reales	7.80	10
4	Upgrade channel upstream of UPRR Bridge	7.75	4
5	Upgrade Fontana Ave Crossing	7.50	2
6	Lower Sanitary Sewer Main near UPRR Bridge	7.40	5
7	Install scour protection for HPNG Line near Old Vail Connection Rd	7.25	18
8	Install scour protection on Country Club Rd, North of Corona	7.15	9
9	Construct RCBC and collector channel at Country Club Rd dip crossing	7.00	8
10	Upgrade Alvernon Way pipe culvert	6.80	11
10	Upgrade Alvernon Way RCBC	6.80	12
12	Exposed Utility at Airport Wash and Morris Blvd	6.75	22
13	Upgrade Nogales Hwy Bridge	6.50	3
13	Reconstruct utility road near Rita Rd and install erosion protection	6.50	20
15	Klafter Rd drainage improvements	6.00	13
16	Construct RCBC at northern Wilmot Rd dip crossing	5.15	14
16	Construct RCBC at southern Wilmot Rd dip crossing	5.15	15
18	Upgrade Plumer Ave RCBC	5.00	6
18	Upgrade Kolb Rd pipe culvert	5.00	16
18	Upgrade Kolb Rd RCBC	5.00	17
21	Improve erosion protection on utility roads south of Old Vail Connection Rd	4.75	19
22	Upgrade Rita Rd pipe culvert and install erosion protection	4.50	21

Key		
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Project within FEMA Mapped reach	assign	Yes = 1, No = 0
Project prevents # of Habitable Structures from Flooding	if FEMA Mapped then assign if non-FEMA mapped then assign	# of Structures>5 = 3, # of Structures>2 = 2, # of Structures>1 = 1 # of Structures>10 = 3, # of Structures>4 = 2, # of Structures>2 = 1
Project addresses Erosion Issues	assign	Low = 0.5, Moderate = 1, High = 2
Project improves Airport Drainage	assign	Yes = 1, No = 0
Major Utility Conflicts anticipated	assign	Yes = 0, No = 1
R/W available (%)	normalized	100% = 1
Project Construction Disrupts Operation / Commerce	assign	Major = 0, Minor = 0.5, None = 1
Project provides All-Weather Access where currently none	if Yes then assign	Utility Road = 0, Local = 0.5, Collector = 1, Arterial = 2
Project Identified or Designed in Other Study	assign	N/A = 0, Identified = 0.5, Designed = 1
Project can be Stand Alone or Dependant on other Project	assign	Dependant = 0, Stand Alone = 1
Traffic Counts	used only for Arterials	Normalize with Highest = 0.5
Cost	assign	Low = 2, Medium = 1, High = 0

Maintenance at Project 7/8 recently completed, thus project not included in Top 4

Project Number	Project Description	W Road Classification Impacted	Y/N FEMA mapped	W Habitable Structures Prevented from Flooding	W Addresses Erosion Issue	Y/N Improves Airport Drainage	Y/N Major utility conflicts	W, % R/W available	Y/N Construction Disruptions to Operations/ Commerce	W Provides All Weather Access	W Identified/D esigned in other Study	Y/N Stand Alone or Dependent	W Arterial Traffic Counts	W Cost
1	Containment Structure upstream of I-19 Bridge	Local	Y	4	N	N	N	100	None	Y	N/A	Stand Alone		Medium
2	Upgrade Fontana Ave Crossing	Local	Y	2	High	N	N	100	Minor	N	N/A	Stand Alone		High
3	Upgrade Nogales Hwy Bridge	Arterial	Y	3	Moderate	N	Y	100	Major	N	N/A	Stand Alone	14065	High
4	Upgrade channel upstream of UPRR Bridge	Local	Y	3	N	N	N	75	None	Y	Identified	Stand Alone		High
5	Lower Sanitary Sewer Main near UPRR Bridge	Local	Y	0	High	N	N	90	None	N	Identified	Stand Alone		High
6	Upgrade Plumer Ave RCBC	Local	Y	0	N	Y	N	0	Major	N	N/A	Stand Alone		Medium
7	Install downstream erosion protection at Country Club Rd	Local	Y	0	High	Y	N	0	None	N	N/A	Stand Alone		Medium
8	Construct RCBC and collector channel at Country Club Rd dip crossing	Local	Y	0	High	Y	N	0	Minor	Y	N/A	Stand Alone		High
9	Install scour protection on Country Club Rd, North of Corona	Arterial	N	0	High	N	N	50	Minor	N	N/A	Stand Alone	4334	Low
10	Install outlet protection at RCBC under Alvernon, near Los Reales	Arterial	Y	0	Moderate	N	N	100	Minor	N	N/A	Stand Alone	8444	Low
11	Upgrade Alvernon Way pipe culvert	Arterial	Y	0	Low	N	N	100	Major	Y	N/A	Dependent	8444	Medium
12	Upgrade Alvernon Way RCBC	Arterial	Y	0	Low	N	N	100	Major	Y	N/A	Stand Alone	8444	High
13	Klafter Rd drainage improvements	Local	N	18	N	N	N	0	Minor	Y	N/A	Stand Alone		High
14	Construct RCBC at northern Wilmot Rd dip crossing	Arterial	N	0	N	N	N	100	Major	Y	N/A	Stand Alone	4147	High
15	Construct RCBC at southern Wilmot Rd dip crossing	Arterial	N	0	N	N	N	100	Major	Y	N/A	Stand Alone	4147	High
16	Upgrade Kolb Rd pipe culvert	Arterial	N	3	N	N	N	100	Major	N	N/A	Stand Alone		Medium
17	Upgrade Kolb Rd RCBC	Arterial	N	4	N	N	N	100	Major	N	N/A	Stand Alone		Medium
18	Install scour protection for HPNG Line near Old Vail Connection Rd	Utility	N	0	High	N	N	25	None	N	N/A	Stand Alone		Low
19	Improve erosion protection on utility roads south of Old Vail Connection Rd	Utility	N	0	Low	N	N	25	None	N	N/A	Stand Alone		Medium
20	Reconstruct utility road near Rita Rd and install erosion protection	Utility	N	0	Low	N	N	100	None	N	N/A	Stand Alone		Low
21	Upgrade Rita Rd pipe culvert and install erosion protection	Local	N	0	Low	N	N	0	Minor	Y	N/A	Stand Alone		Medium
22	Exposed Utility at Airport Wash and Morris Blvd	Local	Y	0	Moderate	N	N	75	None	N	N/A	Stand Alone		Medium

Project Number	Project Description	FEMA mapped	Habitable Structures Prevented from Flooding	Addresses Erosion Issue	Improves Airport Drainage	Major utility conflicts	R/W available	Construction Disruptions to Operations/ Commerce	Provides All Weather Access	Identified/ Designed in other Study	Stand Alone or Dependent	Arterial Traffic Counts	Cost	Project Score	Project Ranking
1	Containment Structure upstream of I-19 Bridge	1	2	0	0	1	1	1	0.5	0	1	0.00	1	8.50	1
2	Upgrade Fontana Ave Crossing	1	1	2	0	1	1	0.5	0	0	1	0.00	0	7.50	5
3	Upgrade Nogales Hwy Bridge	1	2	1	0	0	1	0	0	0	1	0.50	0	6.50	13
4	Upgrade channel upstream of UPRR Bridge	1	2	0	0	1	0.75	1	0.5	0.5	1	0.00	0	7.75	4
5	Lower Sanitary Sewer Main near UPRR Bridge	1	0	2	0	1	0.9	1	0	0.5	1	0.00	0	7.40	6
6	Upgrade Plumer Ave RCBC	1	0	0	1	1	0	0	0	0	1	0.00	1	5.00	18
7	Install downstream erosion protection at Country Club Rd	1	0	2	1	1	0	1	0	0	1	0.00	1	8.00	2
8	Construct RCBC and collector channel at Country Club Rd dip crossing	1	0	2	1	1	0	0.5	0.5	0	1	0.00	0	7.00	9
9	Install scour protection on Country Club Rd, North of Corona	0	0	2	0	1	0.5	0.5	0	0	1	0.15	2	7.15	8
10	Install outlet protection at RCBC under Alvernon, near Los Reales	1	0	1	0	1	1	0.5	0	0	1	0.30	2	7.80	3
11	Upgrade Alvernon Way pipe culvert	1	0	0.5	0	1	1	0	2	0	0	0.30	1	6.80	10
12	Upgrade Alvernon Way RCBC	1	0	0.5	0	1	1	0	2	0	1	0.30	0	6.80	10
13	Klafter Rd drainage improvements	0	3	0	0	1	0	0.5	0.5	0	1	0.00	0	6.00	15
14	Construct RCBC at northern Wilmot Rd dip crossing	0	0	0	0	1	1	0	2	0	1	0.15	0	5.15	16
15	Construct RCBC at southern Wilmot Rd dip crossing	0	0	0	0	1	1	0	2	0	1	0.15	0	5.15	16
16	Upgrade Kolb Rd pipe culvert	0	1	0	0	1	1	0	0	0	1	0.00	1	5.00	18
17	Upgrade Kolb Rd RCBC	0	1	0	0	1	1	0	0	0	1	0.00	1	5.00	18
18	Install scour protection for HPNG Line near Old Vail Connection Rd	0	0	2	0	1	0.25	1	0	0	1	0.00	2	7.25	7
19	Improve erosion protection on utility roads south of Old Vail Connection Rd	0	0	0.5	0	1	0.25	1	0	0	1	0.00	1	4.75	21
20	Reconstruct utility road near Rita Rd and install erosion protection	0	0	0.5	0	1	1	1	0	0	1	0.00	2	6.50	13
21	Upgrade Rita Rd pipe culvert and install erosion protection	0	0	0.5	0	1	0	0.5	0.5	0	1	0.00	1	4.50	22
22	Exposed Utility at Airport Wash and Morris Blvd	1	0	1	0	1	0.75	1	0	0	1	0.00	1	6.75	12