

**Gilboa Dam: East and West Overlook, Wall Cladding Repairs
Estimate**

Description	Qty	Unit	Unit Cost Material and Equipment	Unit Cost Labor	Total Unit Price	Total Item Cost
GENERAL CONDITIONS						
10% of all associate costs of the project	1	LS	N/A	N/A	\$ 255,000.00	\$ 255,000
Not Included: Temporary site utilities, trailer(s) or storage facilities, preperation of temporary work areas for stone fabrication and staging, toilets, perimeter fencing, security, surveying, scaffolding or lifts to access areas above 8 feet above grade.	1	LS	N/A	N/A	\$ -	\$ -
Not Included: General Contractors costs / O& P or CM costs.	1	LS	N/A	N/A	\$ -	\$ -
Temporary pole building with tarp roof and sides for stone working	1	EA	\$ 7,500.00	\$ 6,400.00	\$ 13,900.00	\$ 13,900
DEMOLITIONS / REMOVALS / EXCAVATION / GRADING / SITEWORK / REMOVALS						
Not included: Demolitions, removals, excavation, fill, backfill, tamping, grading, sitework, removals, road paving, curbs, parking lines and text, parking signs unless otherwise specifically noted.	1	LS	\$ -	\$ -	\$ -	\$ -
CONCRETE						
Not Included: Footings, Pylons, Retaining Walls, and Core of Interpretative Center Wall	1	LS	\$ -	\$ -	\$ -	\$ -
Sidewalk Paving	3,120	SF	\$ 1.38	\$ 2.46	\$ 3.84	\$ 11,981
Sidewalk Paving, Tinting, Premium Custom	5,200	LB	\$ 3.52	\$ -	\$ 3.52	\$ 18,304
Curb at East Training Wall	19	CY	\$ 91.80	\$ 77.72	\$ 169.52	\$ 3,202
Curb, Tinting, Premium Custom	3,400	LB	\$ 3.20	\$ -	\$ 3.20	\$ 10,880
6 inch gravel fill and tamping under sidewalk paving	116	SY	\$ 11.13	\$ 1.76	\$ 12.89	\$ 1,490
MASONRY AND STONE						
Rake and point joints (other than overlooks)	61,615	SF	\$ 1.00	\$ 9.38	\$ 10.38	\$ 639,256
Mortaring Repair Compounds (Materials, mixing, delivery to working face)	235	CF	\$ 40.00	\$ 7.50	\$ 47.50	\$ 11,178
Salvage Stone: Existing Stone accumulated at site or debries created from removals from work being performed at site. Includes labor only, trucks and lifts assumed provided from other projects at site (Assumed 1 CF per SF of face stone required or CF of stone required plus 20% for wastage).	596	CF	\$ -	\$ 240.00	\$ 240.00	\$ 142,923
Cleaning Salvaged Stone	596	CF	\$ 1.00	\$ 0.94	\$ 1.94	\$ 1,154
Sawcut joints at areas of tie backs	2,820	LF	\$ 0.90	\$ 7.28	\$ 8.18	\$ 23,068

Sawcut joints at areas of tie backs Min Setup Per Location and Allowance for short irregular cuts, working on scaffolding and other site conditions	47	EA	\$ -	\$ 300.00	\$ 300.00	\$ 14,100
Demolish with hand power tools, stone blocks to facilitate removal of adjacent blocks.	141	CF	\$ 2.00	\$ 45.00	\$ 47.00	\$ 6,627
Cut and remove min. 4 inch thick stone facing from in situ blocks	1,175	SF	\$ 2.00	\$ 45.00	\$ 47.00	\$ 55,225
Face Stone 4 inch thick at tie back caps	1,175	SF	\$ 14.01	\$ 26.62	\$ 40.63	\$ 47,745
Mortaring Repair Compounds (Materials, mixing, delivery to working face)	212	CF	\$ 40.00	\$ 7.50	\$ 47.50	\$ 10,072
Stone pins and anchors	588	EA	\$ 8.50	\$ 7.50	\$ 16.00	\$ 9,400
Face Stone 4 inch thick at existing wall areas (other than overlooks)	9,940	SF	\$ 14.01	\$ 26.62	\$ 40.63	\$ 403,902
Mortaring Repair Compounds (Materials, mixing, delivery to working face)	1,794	CF	\$ 40.00	\$ 7.50	\$ 47.50	\$ 85,208
Stone pins and anchors	4,970	EA	\$ 8.50	\$ 7.50	\$ 16.00	\$ 79,520
Overlooks						
Coping Stone, 8 inch thick, 1'2" wide	470	LF	\$ 208.62	\$ 103.60	\$ 312.22	\$ 146,745
Face Stone 4 inch thick	700	SF	\$ 14.01	\$ 26.62	\$ 40.63	\$ 28,444
Face Stone 18 inch thick	1,050	SF	\$ 51.53	\$ 66.84	\$ 118.37	\$ 124,289
Stone blocks approximately 18 inches square, sizes to vary from plus or minus 50%	64	CF	\$ 45.86	\$ 59.48	\$ 105.34	\$ 6,742
Mortaring Repair Compounds (Materials, mixing, delivery to working face)	541	CF	\$ 40.00	\$ 15.00	\$ 55.00	\$ 29,741
Stone pins and anchors	1,150	EA	\$ 8.50	\$ 7.50	\$ 16.00	\$ 18,400
CMU app. 8 x 16 x 14 wide	2,025	SF	\$ 9.53	\$ 8.48	\$ 18.01	\$ 36,470
CMU Face Brick app. 8 x 16	1,040	SF	\$ 0.68	\$ 3.84	\$ 4.52	\$ 4,701
Rebar each core	2,047	LB	\$ 0.80	\$ 2.44	\$ 3.24	\$ 6,632
Grout solid all CMU masonry, insert continuous #4 rebar in each cell.	56	CY	\$ 91.80	\$ 77.72	\$ 169.52	\$ 9,493
Crushed Bluestone	256	SF	\$ 1.10	\$ 2.81	\$ 3.91	\$ 1,000
Landscape fabric under crushed bluestone	768	SF	\$ 1.00	\$ 1.00	\$ 2.00	\$ 1,536
SS Cap along wall at lifting points	65	LF	\$ 7.50	\$ 10.00	\$ 17.50	\$ 1,138
SS Cap at Interperative Center Wall	32	LF	\$ 6.50	\$ 10.00	\$ 16.50	\$ 528
Base Flashing in wall app. 12 inch wide	140	LF	\$ 10.00	\$ 10.00	\$ 20.00	\$ 2,800
Salvage, remove, restore, and reset historic plaques, app. 3' x 2'	4	EA	\$ 300.00	\$ 900.00	\$ 1,200.00	\$ 4,800
Eye bolts at lifting points	24	EA	\$ 25.00	\$ 12.50	\$ 37.50	\$ 900
Trash Receptacle	1	EA	\$ 1,250.00	\$ 360.00	\$ 1,610.00	\$ 1,610
SS Lettering app 18" high set on pins	9	EA	\$ 95.00	\$ 75.00	\$ 170.00	\$ 1,530
Caulking at SS caps	194	LF	\$ 1.00	\$ 1.00	\$ 2.00	\$ 388
Total Architecturals						\$ 2,272,019
METALS						
Not Included: Footings, Pylons, Retaining Walls, or Crane for unloading or placement of steel structure and fabrications.	NA	NA	NA	NA	NA	NA

