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

Description	Qnty	Unit	Ма	Init Cost aterial and quipment	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				14// (		14/71	Ψ		Ψ	
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			Φ.		•		•		•	
noted.	1	LS	\$	-	\$	-	\$	-	\$	-
CONCRETE										
Not Included: Footings, Pylons, Retaining Walls,										
and Core of Interperative 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	-,		Ť		,		Ť			.,
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
ioi maolago).			1	4.00	\$					
Cleaning Salvaged Stone	506								Œ.	1 1 5 / 1
Cleaning Salvaged Stone	596	CF	\$	1.00	Ф	0.94	\$	1.94	\$	1,154

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		<u> </u>			<u> </u>	.0.00	<u> </u>		*	0,02.
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,	040	0.5	_	40.00		7.50		47.50	•	40.070
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,	1,030	Si	Ψ	31.33	Ψ	00.04	Ψ	110.37	Ψ	124,209
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	2,047	LD	Ψ	0.00	Ψ	2.44	Ψ	3.24	Ψ	0,032
#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	NIA	NIA		NΙΔ		NΙΛ		NIA		NIA
structure and fabrications.	NA	NA		NA		NA		NA		NA

545	LF	\$	30.34	\$	15.84	\$	46.18	\$	25,166
_	+								
1,546	LF	\$	46.00	\$	26.12	\$	72.12	\$	111,461
954	LF	\$	20.25	\$	21.02	\$	41.27	\$	39,361
477	LF	\$	8.80	\$	10.51	\$	19.31	\$	9,208
1,948	LF	\$	7.54	\$	7.01	\$	14.55	\$	28,342
26	LF	\$	51.00	\$	9.11	\$	60.11	\$	1,587
40	LF	\$	28.66	\$	14.01	\$	42.67	\$	1,690
300	LF	\$	142.68	\$	8.30	\$	150.98	\$	45,293
24	LF	\$	50.00	\$	25.00	\$	75.00	\$	1,800
1	EA	\$	1,000.00	\$	200.00	\$	1,200.00	\$	1,200
80	LF	\$	35.67	\$	55.54	\$	91.21	\$	7,297
5								\$	185,196
		No	o. Of Days	Н	rly Rate		Per Day		
1	1 EA 120		\$75			\$600	\$	72,000	
Included	in wor	k ite	ms above						
Included in work items above									
Included in work items above									
t								\$	72,000
*								\$	2,529,215
	954 477 1,948 26 40 300 24 1 80 s	954 LF 477 LF 1,948 LF 26 LF 40 LF 300 LF 24 LF 1 EA 80 LF  I EA Included in wor Included in wor Included in wor	954 LF \$ 477 LF \$ 1,948 LF \$ 26 LF \$ 40 LF \$ 300 LF \$ 24 LF \$ 1 EA \$ 80 LF \$  Included in work ite Included in work ite	954 LF \$ 20.25 477 LF \$ 8.80 1,948 LF \$ 7.54 26 LF \$ 51.00 40 LF \$ 28.66  300 LF \$ 142.68 24 LF \$ 50.00 1 EA \$ 1,000.00 80 LF \$ 35.67   No. Of Days 1 EA 120 Included in work items above Included in work items above Included in work items above	954 LF \$ 20.25 \$ 477 LF \$ 8.80 \$ 1,948 LF \$ 7.54 \$ 26 LF \$ 51.00 \$ 40 LF \$ 28.66 \$  300 LF \$ 142.68 \$ 24 LF \$ 50.00 \$ 1 EA \$ 1,000.00 \$ 80 LF \$ 35.67 \$  No. Of Days H 1 EA 120 Included in work items above Included in work items above Included in work items above	954 LF \$ 20.25 \$ 21.02 477 LF \$ 8.80 \$ 10.51 1,948 LF \$ 7.54 \$ 7.01 26 LF \$ 51.00 \$ 9.11 40 LF \$ 28.66 \$ 14.01  300 LF \$ 142.68 \$ 8.30 24 LF \$ 50.00 \$ 25.00 1 EA \$ 1,000.00 \$ 200.00 80 LF \$ 35.67 \$ 55.54  No. Of Days Hrly Rate 1 EA 120 \$75 Included in work items above	954 LF \$ 20.25 \$ 21.02 \$ 477 LF \$ 8.80 \$ 10.51 \$ 1,948 LF \$ 7.54 \$ 7.01 \$ 26 LF \$ 51.00 \$ 9.11 \$ 40 LF \$ 28.66 \$ 14.01 \$  300 LF \$ 142.68 \$ 8.30 \$ 24 LF \$ 50.00 \$ 25.00 \$ 1 EA \$ 1,000.00 \$ 200.00 \$ 80 LF \$ 35.67 \$ 55.54 \$  No. Of Days Hrly Rate 1 EA 120 \$75 Included in work items above	954 LF \$ 20.25 \$ 21.02 \$ 41.27  477 LF \$ 8.80 \$ 10.51 \$ 19.31  1,948 LF \$ 7.54 \$ 7.01 \$ 14.55  26 LF \$ 51.00 \$ 9.11 \$ 60.11  40 LF \$ 28.66 \$ 14.01 \$ 42.67  300 LF \$ 142.68 \$ 8.30 \$ 150.98  24 LF \$ 50.00 \$ 25.00 \$ 75.00  1 EA \$ 1,000.00 \$ 200.00 \$ 1,200.00  80 LF \$ 35.67 \$ 55.54 \$ 91.21  No. Of Days Hrly Rate Per Day  1 EA 120 \$75 \$600  Included in work items above Included in work items above Included in work items above	954       LF       \$ 20.25       \$ 21.02       \$ 41.27       \$ 477       LF       \$ 8.80       \$ 10.51       \$ 19.31       \$ 1,948       LF       \$ 7.54       \$ 7.01       \$ 14.55       \$ 26       LF       \$ 51.00       \$ 9.11       \$ 60.11       \$

<sup>\*</sup>Cost Estimate does not include labor premiums, overtime, accellerated schedules, utility costs, or housing of workmen. This is meant only as a means to evaluate the base cost of the project. Actual bids from contractors will vary .