

Bid Date: March 27, 2018

Project Manager: Can Xiao, P.E.

Project No WS8505005-1 - 64th Street Reservoir No. 3 (1-ES1-3) Rehabilitation

No.	Description	Unit	Quantity	Engineer's Estimate		Quest Civil Contractors, LLC	
				Unit Price	Extension	Unit Price	Extension
1	Mobilization and Demobilization.	LS	1	\$232,026.72	\$232,026.72	\$155,000.00	\$155,000.00
2	Remove and dispose existing roof system, eave/soffit support, and hardware and associated miscellaneous items.	LS	1	\$184,480.58	\$184,480.58	\$516,152.00	\$516,152.00
3	Pressure wash interior framing, columns, and interior ringwall to remove staining or calcium deposits.	SY	18881	\$4.34	\$82,036.21	\$5.00	\$94,405.00
4	Install access roadway along with curbing modification	LS	1	\$59,494.99	\$59,494.99	\$75,000.00	\$75,000.00
5	Drain vault modification including replacing vault lid, valve replacement, and bollard addition.	LS	1	\$25,965.64	\$25,965.64	\$45,000.00	\$45,000.00
6	Miscellaneous civil and site improvements including erosion repair, northeast and southeast swale modification and repair.	LS	1	\$18,436.53	\$18,436.53	\$75,000.00	\$75,000.00
7	Reservoir perimeter gutter cleaning, removal and curb replacement.	LF	1400	\$65.06	\$91,087.29	\$155.00	\$217,000.00
8	Landscape removal, soil scarification, rodent hole repairs, and rock armor addition along south eastern embankment	SY	3600	\$49.45	\$178,023.76	\$15.00	\$54,000.00
9	Install new standing seam aluminum roof with SST sliding clips, mixer access hatches, large equipment hatch, fall restraint, ridge vent, eave vent, removable roof openings with fall protection, pipe and conduit supports, entry way paneling, walkways, and new signage.	SF	145220	\$16.03	\$2,327,799.08	\$11.50	\$1,670,030.00
10	Install membrane liner and underliner with new Type 316 stainless steel batten strips and anchors and coat column bases	SF	165881	\$5.48	\$909,143.38	\$5.50	\$912,345.50
11	Remove and replace ultrasonic level sensor, remove, door, blast frame and replace reservoir door and hardware	LS	1	\$22,252.97	\$22,252.97	\$65,000.00	\$65,000.00
12	Powerwash reservoir ringwall, overflow grills, and pipe stubouts. Paint overflow grills and pipe stubouts with protective coating.	LS	1	\$40,009.23	\$40,009.23	\$95,000.00	\$95,000.00
13	Install new N-S support beam with end connections and bracing	LF	430	\$215.18	\$92,528.54	\$500.00	\$215,000.00
14	Shore, chip, repack and recoat girder supports at columns and ringwall	EA	21	\$4,364.94	\$91,663.79	\$3,500.00	\$73,500.00
15	Clean and coat all purlin to ringwall welds	EA	144	\$440.38	\$63,415.20	\$600.00	\$86,400.00
16	Clean and repair four main girder connections at ringwall	EA	4	\$3,459.01	\$13,836.04	\$8,000.00	\$32,000.00
17	Repair exposed rebar on columns	EA	80	\$576.50	\$46,120.15	\$550.00	\$44,000.00
18	Repair concrete spalls on columns	SF	65	\$576.50	\$37,472.62	\$750.00	\$48,750.00
19	Repair concrete cracks on columns	LF	46	\$288.25	\$13,259.54	\$800.00	\$36,800.00
20	Sawcut, remove and replace sections of shotcrete embankment and seal perimeter	SY	560	\$191.48	\$107,229.34	\$550.00	\$308,000.00
21	Repair previously sealed cracks in sideslope and floor	LF	2750	\$9.22	\$25,366.08	\$30.00	\$82,500.00
22	Repair hairline cracks in sideslope and floor	LF	4000	\$9.22	\$36,896.12	\$25.00	\$100,000.00
23	Route and fill cracks in ringwall exterior surface	LF	218	\$21.16	\$4,612.01	\$250.00	\$54,500.00
24	Patch spalling on ringwall exterior surface	SF	308	\$36.22	\$11,155.31	\$225.00	\$69,300.00
25	Repair exposed rebar areas on ringwall exterior surface	EA	7	\$98.83	\$691.80	\$3,500.00	\$24,500.00
26	Sandblast tops of all girders and purlins and paint with galvanized coating	SF	11000	\$28.83	\$317,076.00	\$25.00	\$275,000.00
27	Brushblast the sides of selected girders and purlins and paint with galvanized coating	SF	5900	\$18.45	\$108,843.54	\$22.00	\$129,800.00
28	Modify roof structure for new equipment hatch	EA	1	\$20,293.00	\$20,292.86	\$55,000.00	\$55,000.00
29	Modify roof structure for new ventilator and mixer access hatches	EA	6	\$2,536.61	\$15,219.65	\$15,000.00	\$90,000.00
30	Purchase and install two mixers (#1 & #2) along with control panels and disconnects (but not wires & conduits)	EA	2	\$73,792.23	\$147,584.47	\$75,000.00	\$150,000.00
31	Purchase and install chlorine analyzer panel, sample pump, piping, stilling well and framework	LS	1	\$16,718.55	\$16,718.55	\$165,000.00	\$165,000.00
32	Remove PVC Gauge, paint new depth gauge on column, paint column labels on top & bottom of all columns	LS	1	\$38,395.02	\$38,395.02	\$65,000.00	\$65,000.00
33	Miscellaneous electrical and instrumentation improvements including concrete pad, shade structure, transformer, duct banks and trenching, conduit installation, and trench surveys.	LS	1	\$262,693.43	\$262,693.43	\$325,000.00	\$325,000.00
34	Miscellaneous reservoir modifications including rehabilitating existing vent screens, cleaning 8" drain line, installing new handrail and new ladders for roof, and removal of blow-off piping	LS	1	\$44,967.14	\$44,967.14	\$65,000.00	\$65,000.00
35	Remove plugs, cleaning reservoir, filling, leak testing, and disinfection.	LS	1	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
36	Owner's allowance for special inspection of roof structure after removal of roof.	LS	1	\$50,000.00	\$50,000.00	\$50,000.00	\$50,000.00
37	Owner's allowance for repair of roof structure following inspection.	LS	1	\$100,000.00	\$100,000.00	\$100,000.00	\$100,000.00
38	Owner's allowance for additional concrete and subgrade repairs.	LS	1	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00
<b>TOTAL - BASE BID</b>					<b>\$5,986,794.00</b>		<b>\$6,768,982.50</b>
1	BID ALTERNATE #1: INSTALLING FOUR MIXERS: Purchase and install two additional mixers (#3 & #4) along with control panels and disconnects, but not wiring and conduits which are included in Bid Item 33	EA	2	\$45,000.00	\$90,000.00	\$48,000.00	\$96,000.00
<b>TOTAL - ALTERNATE 1</b>					<b>\$90,000.00</b>		<b>\$96,000.00</b>
1	BID ALTERNATE #2: REPLACING ALL BOLTS: Clean area around all bolts for girder and beam connections. Remove and replace all bolts and hardware and recoat with galvanized paint	LS	1	\$94,000.00	\$94,000.00	\$242,125.00	\$242,125.00
<b>TOTAL - ALTERNATE 2</b>					<b>\$94,000.00</b>		<b>\$242,125.00</b>
<b>TOTAL BASE BID + ALTERNATE 1 + ALTERNATE 2</b>					<b>\$6,170,794.00</b>		<b>\$7,107,107.50</b>