

CRESCENTA VALLEY WATER DISTRICT

Title: Rehabilitation of Goss Canyon No. 1 Reservoir

E-Job No: E-1053

Engineer's Estimate: \$610,000

Project Manager: Christina Kopelman

BID LOCATION: 2700 Foothill Blvd. La Crescenta, CA 91214

TIME: 2:00 PM

DATE: 12/6/2022

BY: CK CHECKED By: BY

ITEM	DESCRIPTION	QUANTITY		Engineers Estimate		J. Colon Coatings Inc.		Crosno Construction		Spiess Construction Co.		AIS, Inc.	
				UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT	UNIT	AMOUNT
1	Interior Coating: Furnish all labor, materials, and equipment to remove coal tar enamel from bottom surfaces and lower 1-foot of the shell, prepare all surfaces, and coat interior with 100% solids epoxy coatings, in accordance with the specifications.	1	LS	\$185,800.00	\$185,800.00	\$187,300.00	\$187,300.00	\$381,300.00	\$381,300.00	\$316,200.00	\$316,200.00	\$426,900.00	\$426,900.00
2	Disinfection: Furnish all labor, materials, and equipment to prepare surfaces and disinfect interior.	1	LS	\$3,000.00	\$3,000.00	\$2,500.00	\$2,500.00	\$6,640.00	\$6,640.00	\$3,600.00	\$3,600.00	\$5,500.00	\$5,500.00
3	Exterior Painting: Furnish all labor, materials, and equipment to prepare all exterior surfaces and paint all exterior surfaces with an epoxy/urethane paint system, in accordance with the specifications.	1	LS	\$102,800.00	\$102,800.00	\$128,600.00	\$128,600.00	\$64,760.00	\$64,760.00	\$140,450.00	\$140,450.00	\$250,000.00	\$250,000.00
4	Interior Caulking: Furnish all labor, materials, and equipment to caulk all designated voids on the interior surfaces, in accordance with the specifications.	1	LS	\$4,500.00	\$4,500.00	\$2,500.00	\$2,500.00	\$3,640.00	\$3,640.00	\$3,600.00	\$3,600.00	\$5,500.00	\$5,500.00
5	Center Vent Screen: Furnish all labor, materials, and equipment to remove and dispose of existing vent screen and install new aluminum screen, including removing and reinstalling the vent cover, in accordance with the specifications.	1	LS	\$4,000.00	\$4,000.00	\$1,450.00	\$1,450.00	\$8,740.00	\$8,740.00	\$1,750.00	\$1,750.00	\$3,500.00	\$3,500.00
6	Existing Auxiliary Vent: Furnish all labor, materials, and equipment to remove and dispose of the existing upper section of the vent neck above the flange and the vent cover, furnish and install a new neck section and cover, and install new aluminum screen, in accordance with the plans and specifications.	1	LS	\$9,800.00	\$9,800.00	\$2,200.00	\$2,200.00	\$5,930.00	\$5,930.00	\$6,675.00	\$6,675.00	\$4,900.00	\$4,900.00
7	Auxiliary Vents: Furnish all labor, materials, and equipment to furnish and install two (2) new auxiliary vents, in accordance with the plans and specifications.	2	LS	\$12,000.00	\$24,000.00	\$4,600.00	\$9,200.00	\$6,835.00	\$13,670.00	\$5,625.00	\$11,250.00	\$6,000.00	\$12,000.00
8	Auxiliary Vent Fans: Furnish all labor, materials, and equipment to furnish and install vent fans, solar panels, conduit, junction box, and wiring on existing and new vents including modifying the existing vent, in accordance with the plans.	3	LS	\$12,000.00	\$36,000.00	\$2,400.00	\$7,200.00	\$2,259.00	\$6,777.00	\$4,300.00	\$12,900.00	\$6,000.00	\$18,000.00
9	Roof Hatch: Furnish all labor, materials, and equipment to remove the existing roof hatch and furnish and install a new 36" x 36" roof hatch, in accordance with the specifications and plans.	1	LS	\$5,400.00	\$5,400.00	\$4,600.00	\$4,600.00	\$3,500.00	\$3,500.00	\$8,600.0	\$8,600.00	\$6,500.00	\$6,500.00
10	Interior Ladder: Furnish all labor, materials, and equipment to relocate the interior ladder to the center of the new hatch and replace the interior ladder brackets, in accordance with the plans and specifications.	1	LS	\$4,200.00	\$4,200.00	\$3,500.00	\$3,500.00	\$5,070.00	\$5,070.00	\$8,150.00	\$8,150.00	\$6,500.00	\$6,500.00
11	Interior Saf-T-Climb: Furnish all labor, materials, and equipment to remove and dispose of the existing Saf-T-Climb and furnish and install a new Saf-T-Climb, including a dismount section and dismount section brackets on the existing guardrails, in accordance with the plans.	1	LS	\$8,000.00	\$8,000.00	\$3,200.00	\$3,200.00	\$4,570.00	\$4,570.00	\$6,400.00	\$6,400.00	\$5,900.00	\$5,900.00

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12	Stairway: Furnish all labor, materials, and equipment to remove the existing exterior ladder and furnish and install a new stairway with concrete pad, in accordance with the plans and specifications.	1	LS	\$60,000.00	\$60,000.00	\$87,400.00	\$87,400.00	\$65,870.00	\$65,870.00	\$53,250.00	\$53,250.00	\$76,000.00	\$76,000.00
13	Fall Restraint System: Furnish all labor, materials, and equipment to furnish and install fall restraint stainless steel cables, attachments, and necessary mounting hardware on the roof, in accordance with the plans.	1	LS	\$4,200.00	\$4,200.00	\$2,900.00	\$2,900.00	\$2,730.00	\$2,730.00	\$7,425.00	\$7,425.00	\$4,000.00	\$4,000.00
14	Liquid Level Indicator: Furnish all labor, materials, and equipment to remove and dispose of the existing liquid level indicator assembly, plate over the openings, and furnish and install new half travel liquid level indicator assembly including gauge board at grade level, in accordance with the plans.	1	LS	\$6,000.00	\$6,000.00	\$7,700.00	\$7,700.00	\$6,970.00	\$6,970.00	\$10,425.00	\$10,425.00	\$6,500.00	\$6,500.00
15	Overflow: Furnish all labor, materials, and equipment to remove the existing passive check valve and reinstall the passive check valve after completion of the exterior painting, in accordance with the specifications.	1	LS	\$2,000.00	\$2,000.00	\$600.00	\$600.00	\$900.00	\$900.00	\$750.00	\$750.00	\$13,900.00	\$13,900.00
16	Sample Ports: Furnish all labor, materials, and equipment to furnish and install a 1 ¼" sample port, in accordance with the plans.	3	EA	\$2,200.00	\$6,600.00	\$1,000.00	\$3,000.00	\$460.00	\$1,380.00	\$1,450.00	\$4,350.00	\$4,500.00	\$13,500.00
17	8" Roof Port: Furnish all labor, materials, and equipment to remove the existing 8" diameter pipe port and plate over the opening, in accordance with the specifications.	1	LS	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$2,300.00	\$2,300.00	\$1,500.00	\$1,500.00
18	1 ½" Roof Port: Furnish all labor, materials, and equipment to furnish and install a 1 ½" port with threaded cap, in accordance with the plans.	1	LS	\$2,200.00	\$2,200.00	\$650.00	\$650.00	\$840.00	\$840.00	\$1,125.00	\$1,125.00	\$3,600.00	\$3,600.00
19	4" Shell Ports: Furnish all labor, materials, and equipment to remove two (2) existing 4" diameter pipe ports and plate over the openings, in accordance with the specifications.	1	LS	\$3,900.00	\$3,900.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$2,100.00	\$2,100.00	\$2,000.00	\$2,000.00
20	12" Shell Nozzle: Furnish all labor, materials, and equipment to remove the existing 12" diameter shell nozzle and plate over the opening, in accordance with the specifications.	1	LS	\$4,800.00	\$4,800.00	\$1,000.00	\$1,000.00	\$900.00	\$900.00	\$4,550.00	\$4,550.00	\$1,500.00	\$1,500.00
21	Lateral Braces: Furnish all labor, materials, and equipment to remove the existing tie-rods and furnish and install new lateral braces, in accordance with the plans and specifications.	1	LS	\$26,000.00	\$26,000.00	\$17,500.00	\$17,500.00	\$18,800.00	\$18,800.00	\$25,800.00	\$25,800.00	\$25,000.00	\$25,000.00
22	Grade Band: Furnish and install all labor and equipment to remove grade band.	1	LS	\$18,800.00	\$18,800.00	\$8,900.00	\$8,900.00	\$19,530.00	\$19,530.00	\$13,400.00	\$13,400.00	\$9,000.00	\$9,000.00
23	Cathodic Protection: Furnish all labor, materials, and equipment to remove the existing 12" diameter shell nozzle and plate over the opening, in accordance with the specifications.	1	LS	\$20,000.00	\$20,000.00	\$12,500.00	\$12,500.00	\$12,890.00	\$12,890.00	\$13,000.00	\$13,000.00	\$30,900.00	\$30,900.00
24	New 36" Manway: Furnish all labor, materials, and equipment to remove the existing manhole and install a new 36” diameter manhole, in accordance with the plans and specifications.	1	LS	\$14,800.00	\$14,800.00	\$16,300.00	\$16,300.00	\$6,500.00	\$6,500.00	\$8,800.00	\$8,800.00	\$12,500.00	\$12,500.00
25	Conduit Supports: 16-inch long Unistrut supports on the shell for future conduits, in accordance with the plans and specifications.	1	LS	\$6,000.00	\$6,000.00	\$3,900.00	\$3,900.00	\$750.00	\$750.00	\$5,175.00	\$5,175.00	\$5,000.00	\$5,000.00
Goss Canyon No. 2 Reservoir - Total - Bid Items 1 - 25					\$565,800.00		\$516,600.00		\$644,457.00		\$672,025.00		\$950,100.00

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Alternaive Bid Items				Engineers Estimate		J. Colon Coatings Inc.		Crosno Construction		Spiess Construction Co.		Crosno Construction	
26	Dehumidification: Furnish all labor, materials, and equipment to use dehumidification system for interior work, including curing of coatings, in accordance with the specifications.	5	wks	\$3,000.00	\$15,000.00	\$1,600.00	\$8,000.00	\$2,500.00	\$12,500.00	\$1,800.00	\$9,000.00	\$5,000.00	\$25,000.00
27	Pit/Perforation Treatment: Furnish all labor, materials, and equipment to fill pits or weld plates over pitted or corroded areas, as determined necessary by the Engineer	16	Crew Hour	\$450.00	\$7,200.00	\$425.00	\$6,800.00	\$375.00	\$6,000.00	\$250.00	\$4,000.00	\$350.00	\$5,600.00
28	Grinding: Furnish all labor, materials, and equipment to grind smooth sharp edges of the rafter flanges and structural members, as determined necessary by the Engineer	16	Crew Hour	\$350.00	\$5,600.00	\$400.00	\$6,400.00	\$375.00	\$6,000.00	\$425.00	\$6,800.00	\$300.00	\$4,800.00
29	Inspection Spot Blasting: Furnish all labor, materials, and equipment to abrasively blast clean severely corroded surfaces, as determined necessary by the Engineer.	8	Crew hrs.	\$800.00	\$6,400.00	\$500.00	\$4,000.00	\$725.00	\$5,800.00	\$675.00	\$5,400.00	\$800.00	\$6,400.00
30	Nuts and Bolts: Furnish all labor, materials, and equipment to replace existing nuts and bolts at the structural connections, as determined necessary by the Engineer. Each is based on a set of two bolts per connection.	100	EA	\$100.00	\$10,000.00	\$78.00	\$7,800.00	\$105.00	\$10,500.00	\$50.50	\$5,050.00	\$90.00	\$9,000.00
Total - Alternative Bid Items 26- 30					\$44,200.00		\$33,000.0		\$40,800.00		\$30,250.00		\$50,800.00
Total - Bid Items 1 - 30				EE	\$610,000	LOW	\$549,600		\$685,257	2ND	\$702,275	3RD	\$1,000,900