

WQCF BAR SCREEN PROJECT

Engineers Estimate \$704,000

August 31, 2021

GSE CONSTRUCTION COMPANY, INC. - LIVERMORE, CA

ITEM NO.	ITEM DESCRIPTION	ESTIMATED QUANTITIES	UNIT	UNIT PRICE	TOTAL
1	Mobilization, submittals, bonds, licenses, permits, fees, and insurance (maximum of 4% of total bid amount)	LS	1	\$ 37,500.00	\$ 37,500.00
2	Temporary facilities, temporary power, ventilation of headworks spaces, and protection of the work	LS	1	\$ 15,000.00	\$ 15,000.00
3	Demolition of existing concrete wall in lower level channel	EA	1	\$ 5,000.00	\$ 5,000.00
4	Demolition of HVAC vent hood and tread plate at uppder deck area	EA	1	\$ 3,000.00	\$ 3,000.00
5	Demolition of handrail at lower channel area	LS	1	\$ 3,000.00	\$ 3,000.00
6	Installation of new grating and tread plate at upper bar screen opening	LS	1	\$ 10,000.00	\$ 10,000.00
7	Installation of new PVC liner and repair of existing PVC liner at miscellaneous lower channel locations	LS	1	\$ 15,800.00	\$ 15,800.00
8	Removal of stop plates at lower channel	EA	2	\$ 1,000.00	\$ 2,000.00
9	Repair of damaged concrete 6" x 6" by width of lower manway, drawing M-312	LS	1	\$ 5,000.00	\$ 5,000.00
10	Modifications to existing channel grating and new channel grating at lower level channel	LS	1	\$ 10,000.00	\$ 10,000.00
11	Purchase of new slide gates	EA	2	\$ 15,700.00	\$ 31,400.00
12	Markup, assembly, installation, and testing of new slide gates	EA	2	\$ 15,000.00	\$ 30,000.00
13	Purchase of new Link Driven Mechanical Bar Screen. Pre-negotiated price with manufacturer. Includes shipping and tax. (No alternative allowed)	EA	1	\$ 373,427.62	\$ 373,427.62
14	Markup, assembly, installation, and testing of Link Driven Mechanical Bar Screen	EA	1	\$ 120,809.38	\$ 120,809.38
15	Modifications to existing MCC-03-02	LS	1	\$ 16,300.00	\$ 16,300.00
16	Installation of exposed electrical conduit, pull boxes, and supports	LS	1	\$ 36,100.00	\$ 36,100.00
17	Installation of all electrical wiring, terminations, and labeling	LS	1	\$ 6,600.00	\$ 6,600.00
18	Hardware, network, PLC, programming modifications, and updated drawings to existing PLC control panel CPNL-03-01, per section 13411	LS	1	\$ 89,800.00	\$ 89,800.00
19	Installation of bar screen control panel and instruments	LS	1	\$ 10,700.00	\$ 10,700.00
20	Preparation of interconnects and loop drawings, and as-built drawings for all new work	LS	1	\$ 18,500.00	\$ 18,500.00
21	Programming of PLC CPNL-03-01 to support the bar screen	LS	1	\$ 27,900.00	\$ 27,900.00
22	Installation of all IFIX SCADA programming to support the bar screen	LS	1	\$ 14,500.00	\$ 14,500.00
23	Electrical equipment testing, wire testing, and other specified tests for all new or modified equipment	LS	1	\$ 10,000.00	\$ 10,000.00
24	Not Used				
25	Miscellaneous items specified or indicated elsewhere but not listed above	LS	1	\$ 1,000.00	\$ 1,000.00
26	Demobilization, warranty paper work, and project closeout (minimum of 1%)	LS	1	\$ 15,000.00	\$ 15,000.00
BID ALTERNATE - ADDITIONAL WORK AT MANWAY					
27	Remove and reinstall manway door. Provide FRP fin to direct water away from door seal. Drawing M-312	LS	1	\$ 5,000.00	\$ 5,000.00
28	Provide additional ventilation in influent well to allow safely working on the manway doorway. There is very high H2S in the influent well. Drawing M-312	LS	1	\$ 10,000.00	\$ 10,000.00
29	Remove and replace 12 inch deep strip of PVC liner for the entire width of the manway door. Drawing M-312	LS	1	\$ 11,000.00	\$ 11,000.00
30	Repair additional 6 inch deep concrete for the entire width of the manway door with specified concrete repair product. Drawing M-312	LS	1	\$ 5,000.00	\$ 5,000.00
TOTAL BID AMOUNT ITEMS 1 - 30:					\$ 939,337.00