

WQCF North/South WAS & South RAS Pump Replacement Project CIP 22061 & 22063

Engineers Estimate \$2,200,000

October 17, 2023

C. OVERAA & CO. - RICHMOND, CA

ITEM NO.	ITEM DESCRIPTION	BID QTY	UNIT	UNIT PRICE	TOTAL
1	Mobilization, Demobilization, Bonds, Permits, and Insurance on all work (maximum of 4% of total bid amount)	1	LS	\$125,000.00	\$ 125,000.00
2	Additional Cost for Providing All Shoring and Bracing On All Bid Items Above Including But Not Limited to That as Required By Section 6700-6708 of the Labor Code	1	LS	\$8,000.00	\$ 8,000.00
3	Temporary facilities, temporary power, fences roads, and protection of the work	1	LS	\$40,000.00	\$ 40,000.00
4	Temporary pumps and bypass at WAS pump station	1	LS	\$40,000.00	\$ 40,000.00
5	Demolition of existing pumps, piping, supports, concrete and other items at WAS Pump Station.	1	LS	\$20,000.00	\$ 20,000.00
6	Demolition of existing pumps, piping, supports, concrete, and other items at RAS Pump Station.	1	LS	\$30,000.00	\$ 30,000.00
7	Demolition of existing electrical conduits, wires, and items at WAS Pump Station.	1	LS	\$35,000.00	\$ 35,000.00
8	Demolition of existing electrical conduits, wires, and items at RAS Pump Station.	1	LS	\$10,000.00	\$ 10,000.00
9	Demolition of existing electrical panels, wires, and conduits, at WAS MCC room.	1	LS	\$20,000.00	\$ 20,000.00
10	Installation of new concrete at WAS Pump Station and repair of concrete floor at WAS Pump Station	1	LS	\$5,000.00	\$ 5,000.00
11	Installation of new concrete at RAS Pump Station	1	LS	\$30,000.00	\$ 30,000.00
12	Purchase of WAS pumps including tax and shipping	1	LS	\$150,000.00	\$ 150,000.00
13	Installation of WAS pumps	1	LS	\$15,000.00	\$ 15,000.00
14	Purchase of RAS pumps including tax and shipping	1	LS	\$335,000.00	\$ 335,000.00
15	Installation of RAS pumps	1	LS	\$15,000.00	\$ 15,000.00
16	Installation of all piping, valves, and supports at WAS pump station	1	LS	\$400,000.00	\$ 400,000.00
17	Installation of all piping, valves, and supports at RAS pump station	1	LS	\$130,000.00	\$ 130,000.00
18	Excavation, and installation of all yard piping and valves	1	LS	\$130,000.00	\$ 130,000.00
18A	Purchase and Installation of 3 Sewage Air Relief Valves on buried 8" WAS Line	1	LS	\$9,000.00	\$ 9,000.00
19	Purchase and installation of HVAC equipment for WAS MCC room	1	LS	\$20,000.00	\$ 20,000.00
20	Testing of all pumps and HVAC equipment	1	LS	\$5,000.00	\$ 5,000.00
21	Coatings for all new equipment, piping, supports and all other miscellaneous coatings	1	LS	\$140,000.00	\$ 140,000.00
22	Modification of MCC-F, installation of new VFDs and panels, and other electrical modifications in WAS pumpstation MCC room	1	LS	\$340,000.00	\$ 340,000.00
23	Installation of conduit, wire, and supports at MCC-F, the WAS MCC room, and the WAS Pump Station	1	LS	\$215,000.00	\$ 215,000.00
24	Modification of MCC-07-01, installation of new VFDs and panels, and other electrical modifications in RAS pumpstation MCC room	1	LS	\$310,000.00	\$ 310,000.00
25	Installation of conduit, wire, and supports at MCC-07-01, the RAS MCC room, and the RAS Pump Station	1	LS	\$115,000.00	\$ 115,000.00
26	Installation of new PLC panel Nwas-PNL-04-012 and modifications to MCC-F PLC NRASPNL-04-010	1	LS	\$175,000.00	\$ 175,000.00
27	Programming of all new, existing, and replaced PLCs	1	LS	\$50,000.00	\$ 50,000.00
28	Installation of all SCADA programming.	1	LS	\$35,000.00	\$ 35,000.00
29	Relocation of existing instruments, installation of all new instruments, preparation of Interconnect and Loop Drawings, and As-built Drawings.	1	LS	\$120,000.00	\$ 120,000.00
30	Electrical equipment testing, wire testing, and other specified tests.	1	LS	\$25,000.00	\$ 25,000.00
31	Phased startup of all, equipment, and systems and Training of City Staff	1	LS	\$40,000.00	\$ 40,000.00
32	Final O&M Manuals	1	LS	\$20,000.00	\$ 20,000.00
33	Record Drawings	1	LS	\$10,000.00	\$ 10,000.00
34	Demobilization, Warranty paper work, and Project Closeout (minimum of 1%).	1	LS	\$35,000.00	\$ 35,000.00
35	Miscellaneous Items Specified or Indicated Elsewhere But Not Listed Above.	1	LS	\$3,000.00	\$ 3,000.00
BID TOTAL:					\$ 3,205,000.00
36	Panel modifications to PLC-06-01 (SAB-PLC-03-061) indicated on the drawings and specifications as Bid Alternate No. 1 work	1	LS	\$99,000.00	\$ 99,000.00
37	Panel modifications to PLC-04-01 (SPSB-PLC-02-041) indicated on the drawings and specifications as Bid Alternate No. 1 work	1	LS	\$100,000.00	\$ 100,000.00
38	PLC programming changes to PLC-06-01 indicated on the drawings and specifications as Bid Alternate No. 1 work.	1	LS	\$19,000.00	\$ 19,000.00

39	PLC programming changes to PLC-04-01 indicated on the drawings and specifications as Bid Alternate No. 1 work	1	LS	\$76,000.00	\$ 76,000.00
40	Modifications to SCADA programming to pick up all changes to PLC programming, data tags and data addresses	1	LS	\$42,000.00	\$ 42,000.00
41	Preparation of complete as built control panel drawings for PLC-06-01(SAB-PLC-03-061) and PLC-04-01 (SPSB-PLC-02-041) showing final configuration of panels	1	LS	\$20,000.00	\$ 20,000.00
42	Preparation of as built loop drawings for PLC-06-01 (SAB-PLC-03-061) and PLC-04-01(SPSB-PLC-02-041) panels and terminals for all panel wiring	1	LS	\$20,000.00	\$ 20,000.00
BID ALTERNATE 1 TOTAL:					\$ 376,000.00
BASE + ALTERNATE 1 BID TOTAL:					\$ 3,581,000.00