

BID TAB FOR: AWP DCS Improvements

FILE NO. 2010-057-00

BID DATE: May 23, 2012

CODE: 50002-WC0036

REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT	ENGINEER'S ESTIMATE PRICE	ENGINEER'S ESTIMATE AMOUNT	1. North Bay Construction Inc. PRICE	1. North Bay Construction Inc. AMOUNT	2. Enertech Electrical Inc. PRICE	2. Enertech Electrical Inc. AMOUNT	*3. Thompson Electric PRICE	*3. Thompson Electric AMOUNT
1	103.05	Contract Performance Bond	1	LS	\$10,000.00	\$10,000.00	\$2,504.00	\$2,504.00	\$13,791.00	\$13,791.00	\$4,400.00	\$4,400.00
2	624	Mobilization	1	LS	\$15,000.00	\$15,000.00	\$1,018.00	\$1,018.00	\$10,000.00	\$10,000.00	\$20,000.00	\$20,000.00
3	Spec	Filter Consoles - Procure replacement Filter Console interior PLC panels with all IO, power and wiring terminations, and replacement console top plates, 5 of which have touchscreens units.	1	LS	\$220,907.00	\$220,907.00	\$174,542.00	\$174,542.00	\$110,000.00	\$110,000.00	\$135,000.00	\$135,000.00
4	Spec	Filter Consoles - Demo all instrumentation and valve actuator electrical conduits in basement below individual filter consoles, and conduits supported on trapeze, and all wiring within.	1440	EA	\$7.80	\$11,232.00	\$10.00	\$14,400.00	\$8.00	\$11,520.00	\$6.00	\$8,640.00
5	Spec	Filter Consoles - Disconnect and label existing wiring in filter consoles prior to removal, required since all filters will not be demolished at once.	25	EA	\$210.00	\$5,250.00	\$503.00	\$12,575.00	\$160.00	\$4,000.00	\$1,200.00	\$30,000.00
6	Spec	Filter Consoles - Install new Filter Console interiors PLC panels and and tops. Some disassembly/reassembly of console structure necessary.	25	EA	\$390.00	\$9,750.00	\$654.00	\$16,350.00	\$260.00	\$6,500.00	\$1,000.00	\$25,000.00
7	Spec	Reinstall Flow and LOH instruments, install new inst stands, 3/4" piping, fittings, etc.	25	EA	\$2,306.00	\$57,650.00	\$700.00	\$17,500.00	\$3,000.00	\$75,000.00	\$3,200.00	\$80,000.00
8	Spec	Install Turbidimeter and Sample Pump, install pump mount, 3/4" piping, fittings, 1/4" tubing, flow switch, valving, etc.	25	EA	\$2,197.00	\$54,925.00	\$126.00	\$3,150.00	\$2,500.00	\$62,500.00	\$2,500.00	\$62,500.00
9	Spec	Filter Consoles (Electrical - Basement to Console) - Install plastic conduits and drain fittings, for all basement instruments, valves, turbidimeters, flow switches, routed up into filter console. Install all 120vac, 90vdc, and signal wiring from devices to filter console.	25	EA	\$4,462.00	\$111,550.00	\$100.00	\$2,500.00	\$2,000.00	\$50,000.00	\$2,500.00	\$62,500.00
10	Spec	Filter Consoles (Electrical - Consoles to Office) - Install all lateral plastic conduits, reusing existing trapeze, and new hangers, etc to central filter area per drawings.	1800	EA	\$9.00	\$16,200.00	\$10.00	\$18,000.00	\$20.00	\$36,000.00	\$16.00	\$28,800.00

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11	Spec	Filter Consoles (Electrical - Consoles to Office) - Install rigid aluminum riser conduits through floor into upper filter area, required core drillings, to the filter building central control room.	580	EA	\$26.85	\$15,573.00	\$40.00	\$23,200.00	\$30.00	\$17,400.00	\$30.00	\$17,400.00
12	Spec	Filter Consoles (Electrical - Consoles to Office) - Install all 120vac power, 90VDC and network wiring and cabling from central office to consoles.	25	EA	\$921.00	\$23,025.00	\$300.00	\$7,500.00	\$1,000.00	\$25,000.00	\$500.00	\$12,500.00
13	Spec	New Lighting Over Filters - Demo existing light fixtures, switches, and wiring from handrails, capping handrail holes.	1	LS	\$3,289.00	\$3,289.00	\$25,000.00	\$25,000.00	\$10,000.00	\$10,000.00	\$7,700.00	\$7,700.00
14	Spec	New Lighting Over Filters - Fabricate light and conduit mounts per details, install by welding to handrail, repaint handrail.	50	EA	\$188.28	\$9,414.00	\$70.00	\$3,500.00	\$300.00	\$15,000.00	\$450.00	\$22,500.00
15	Spec	New Lighting Over Filters - Install conduit along filter curb, fittings per dwgs, lights, switches, wiring.	25	EA	\$1,060.00	\$26,500.00	\$450.00	\$11,250.00	\$800.00	\$20,000.00	\$1,000.00	\$25,000.00
16	Spec	New Lighting Over Filters - Replace Circuit Breaker panels: Replace panels FBLP-A and FBLP-B, all breakers, and reconnect all existing plus new circuits.	2	EA	\$5,702.00	\$11,404.00	\$526.00	\$1,052.00	\$5,000.00	\$10,000.00	\$2,500.00	\$5,000.00
17	Spec	Service Receptacles in Basement - Replace all circuit breakers in MCC-FB1 Ltg panel D, reconnect all circuits plus new wiring.	36	EA	\$93.50	\$3,366.00	\$140.00	\$5,040.00	\$100.00	\$3,600.00	\$100.00	\$3,600.00
18	Spec	Service Receptacles in Basement - Install plastic conduit per dwgs, from filters to Ltg Panel D at the central filter floor.	1240	LF	\$7.60	\$9,424.00	\$5.00	\$6,200.00	\$10.00	\$12,400.00	\$12.50	\$15,500.00
19	Spec	Service Receptacles in Basement - Install all receptacles and wiring per dwgs.	36	EA	\$358.00	\$12,888.00	\$75.00	\$2,700.00	\$555.00	\$19,980.00	\$300.00	\$10,800.00

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20	Spec	Filter Lighting in Basement - Purchase and install motion sensing light fixtures, program according to drawing notes.	66	EA	\$210.00	\$13,860.00	\$200.00	\$13,200.00	\$185.00	\$12,210.00	\$450.00	\$29,700.00
21	Spec	Filter Lighting in Basement - Install plastic conduit, boxes, centralized wall switches, and all wiring per dwgs.	1240	LF	\$13.75	\$17,050.00	\$75.00	\$93,000.00	\$6.50	\$8,060.00	\$16.00	\$19,840.00
22	Spec	Filter Lighting in Basement - Terminate all lighting wiring circuits at MCC-FB1 Ltg panel D.	36	EA	\$18.50	\$666.00	\$20.00	\$720.00	\$555.00	\$19,980.00	\$30.00	\$1,080.00
23	Spec	Telephone / PA conduits to Basement - Install for future use, 3 rigid aluminum conduit risers, from filter floor into basement, core drilling, wall boxes for future use.	90	LF	\$29.40	\$2,646.00	\$10.00	\$900.00	\$22.00	\$1,980.00	\$25.00	\$2,250.00
24	Spec	Furnish DP Transmitters as spare parts to the Water Plant (10 Each) As Directed by the City of Akron.	1	ALLOW	\$15,600.00	\$15,600.00	\$15,600.00	\$15,600.00	\$15,600.00	\$15,600.00	\$15,600.00	\$15,600.00
25	Spec	Furnish spare Allen Bradley PLCs for Filters and Supervisory system, processors and IO cards for Water Plant stock (2 Each) As Directed by the City of Akron.	1	ALLOW	\$16,479.00	\$16,479.00	\$16,479.00	\$16,479.00	\$16,479.00	\$16,479.00	\$16,479.00	\$16,479.00
26	SPEC	Architectural Finishes Re-Work & Miscellaneous Work - Bidders shall presume that any architectural finishes re-work necessitated by the removal of existing piping, equipment, or work of this project shall be considered incidental to the item necessitating the work. This bid item shall include an additional Architectural Finishes Re-Work Allowance of \$15,500 to be used at the discretion of the City of Akron for additional Architectural Finishes Re-Work above and beyond what is necessitated by the project.	1	ALLOW	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00	\$15,500.00
TOTAL CONSTRUCTION COSTS						\$709,148.00		\$503,380.00		\$602,500.00		\$677,289.00
+/- ENGINEER'S ESTIMATE								-29.0%		-15.0%		-4.5%

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<u>ALTERNATE #1</u>												
Alt 1	Spec	Filter Level Transmitters	25	EA	\$1,501.00	\$37,525.00	\$1,600.00	\$40,000.00	\$1,684.00	\$42,100.00	\$1,700.00	\$42,500.00
<u>ALTERNATE #2</u>												
Alt 2	Spec	Filter Underhang Lighting	25	EA	\$4,074.36	\$101,859.00	\$1,520.00	\$38,000.00	\$2,200.00	\$55,000.00	\$2,600.00	\$65,000.00
TOTAL CONSTRUCTION COSTS						\$709,148.00		\$503,380.00		\$602,500.00		\$677,289.00
+/- ENGINEER'S ESTIMATE								-29.0%		-15.0%		-4.5%
<u>ALTERNATE #1</u>												
TOTAL CONSTRUCTION COSTS						\$37,525.00		\$40,000.00		\$42,100.00		\$42,500.00
+/- ENGINEER'S ESTIMATE								+6.6%		+12.2%		+13.3%
<u>ALTERNATE #2</u>												
TOTAL CONSTRUCTION COSTS						\$101,859.00		\$38,000.00		\$55,000.00		\$65,000.00
+/- ENGINEER'S ESTIMATE								-62.7%		-46.0%		-36.2%

* Ref #21 changed initialed but not dated