



DEPARTMENT OF
UTILITIES

Department of Utilities
Wastewater Treatment Plant
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MEMORANDUM

Date: June 21, 2024
To: Chairperson Brad Firkus and Members of the Finance Committee
From: Chris Stempa, Utilities Director
CC: Ryan Rice, Utilities Deputy Director
Kelli Rindt, Enterprise Fund Accounting Manager
Subject: **Finance Committee Action: Approve Change Order #8 to Staab Construction contract as part of the AWWTP Phase I Belt Filter Press Equipment Upgrades Project totaling \$66,293 resulting in a decrease in contingency from \$675,538 to \$609,245**

BACKGROUND:

On December 7, 2022, Common Council approved a contract for the Appleton Wastewater Treatment Plant (AWWTP) Phase I Belt Filter Press Equipment Upgrades Project to Staab Construction in the amount of \$5,063,000 with 15% contingency of \$759,450 for a project total not to exceed \$5,822,450. The change order tasks summarized within Table 1 represent work added to the original contract scope of work (per Section IV P of the Procurement and Contract Management Policy) or deleted from, which alters the original contract amount.

CHANGE ORDER #8

Change Order #8 reflects the labor and material costs pertaining to the replacement of an existing non-potable water (NPW) booster pump. The booster pump is critical to sustaining adequate system pressures on the second floor of V-Building. NPW is utilized by the BFP polymer system on the second floor to dilute neat polymer which is then fed to the BFPs. The change order work includes all associated demolition (e.g. existing piping, pump, and concrete equipment pad) and installation of new piping, pipe accessories, pipe insulation, electrical, centrifugal booster pump, pump pad, and painting.

Table 1: Change Order (CO) Summary

CO#	Cost	Description
CO#1	-\$22,725	Cost for filtrate pipe, credits for reusing aluminum grating, elimination of 4 plug valves, and drainpipe material change
CO#2	\$6,625	Costs for Martin tensioner, temperature control module, relocation of BFP control panels, and credit for elimination of conveyor pan.
CO#3	\$20,253	Costs for hoist removal, installation of seven lintels to support new HVAC ductwork, demo of waste pipe and flow meter, reclaimed final effluent (RFE) line extension and installation of nine flush connections for new BFP pumps. Deducts provided for the elimination of the 1-inch diameter flush connection copper piping and electrical feeder panel.
CO#4	\$15,629	Demo grinder pump, concrete base, ductile iron pipe, and electrical. Credit (\$1,782) to forgo heater/piping removal in former truck scale room
CO#5	\$36,593	Part 1: Provide additional grating along east side of AHU plus two (2) fall protection beams (\$28,595). Part 2: provide additional grating and railing on east side of Air Handling Unit (\$7,998).
CO#6	\$17,392	Forgo duct pressure test and provide ball valve in lieu of triple duty valve (\$2,070 credit); remove 100 feet deteriorated cast iron drainpipe and replace with PVC (\$6,365); reroute hot water piping in former scale room (\$2,686); provide additional BFP drain pain supports (\$1,563); provide 16 feet of temporary handrail on west side of BFP #3 (\$2,325); add PVC vent to new filtrate drain lines (\$6,523)
CO#7	\$10,145	Eliminate Part 1 of CO5 (-\$28,595 credit); provide additional grating and railing on east side of AHU (\$19,663); provide additional hand rail and checkered plate at BFPs (\$11,344); provide temporary I beam to replace existing platform support (conflict with new conveyor, \$2,001); demo SST Vent Pipe that originates in V-Building Generator Room (\$1,926); add 120VAC power for polymer pumps and VFD's from 2nd Floor Panel L-8. Add ethernet cables between Polymer Pumps and VFD's and Solids Remote I/O Panel. Includes credit for removal of control wire provision between Existing BFP Control Panel and Solids Remote I/O Panel (net total \$1,407); fabricate and install SST guards for top rollers of new BFP's (\$607); and provide additional checkered plate on west end of BFP #5 (\$1,792)
CO#8	\$66,293	Replace failed Non-potable water (NPW) booster pipe.

Total \$150,205

RECOMMENDATION:

I am requesting approval of Change Order #8 to Staab Construction in the amount of \$66,293

If you have any questions or require additional information regarding this project, please contact Chris Stempa at 920-832-5945.