



DEPARTMENT OF UTILITIES

Department of Utilities
Wastewater Treatment Plant
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MEMORANDUM

Date: July 16, 2025
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: **Information: Change Orders #5, #6, and #7 to Staab Construction contract as part of the AWWTP Phase 2 Belt Filter Press Equipment Upgrades Project totaling \$74,137 resulting in a decrease in contingency from \$100,811 to \$26,674**

BACKGROUND:

On June 24, 2024 Common Council approved a contract for the Appleton Wastewater Treatment Plant (AWWTP) Phase 2 Belt Filter Press Equipment Upgrades Project to Staab Construction in the amount of \$4,627,000 with 4.65% contingency of \$215,119 for a project total not to exceed \$4,842,119. 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 #5

Change Order #5 reflects the labor and material costs to fabricate and install an additional high pressure spray bar system that will facilitate bidirectional flow through the permeable mesh belt associated with each new Belt Filter Press (BFP). This change is intended to enhance cleaning and promote extended operation requiring less frequent acid wash events which are required to remove calcium carbonate formation. The additional costs are to custom fabricate and install guards and protective bellows at strategic locations on BFP #1 and #2. These equipment additions are intended to mitigate filtrate mist and the subsequent formation of calcium carbonate scale on the outside of the BFPs. The total change order cost was \$42,779.

CHANGE ORDER #6

Change Order #6 reflects the labor and material costs to install four Vega pressure sensors on the polymer injection rings to provide remote monitoring and data logging capabilities. The costs of this change order include rigid conduit, electrical wiring, and system integration. The total change order cost was \$18,778.

CHANGE ORDER #7

Change Order #7 reflects the labor and material costs to install gravity backdraft dampers on two existing exhaust fans that were formally associated with the decommissioned Zimpro Wet Air Oxidation process (\$2,519). The new HVAC equipment pad required the relocation of two drain lines in first floor air handling room (\$5,368). A credit has been applied to the contract for the Owner directed request to not insulate or paint new PVC vent lines (- \$4,873). This change order also includes the costs for masonry repair surrounding an existing drain line (\$669) and the costs to fabricate 316L SST washwater collection pans (\$8,897) on BFP #1 and #2. The total change order cost was \$12,580.

Table 1: Change Order (CO) Summary

CO#	Cost	Description
CO#1	\$29,457	Replace existing beam smoke detector with linear heat wire fire protection system because of conflicts with new HVAC ductwork.
CO#2	\$28,148	Demo unused fiberglass-reinforced plastic bulk chemical storage tanks, concrete tank bases, concrete secondary containment walls, pumps, and nonfunctional HVAC system within the former dewatering chemical room.
CO#3	\$17,946	Install four pressure sensors with local analog pressure indication (\$13,616) on sludge feed pipes; install two stainless steel wash sink in former Operator office rooms (\$3,507); and install fire hose connection on BFP platform for future maintenance cleaning activities.
CO#4	\$38,757	Demo the existing polymer make-down systems and install new Polydyne Inc. manufactured units. Costs also include electrical and controls integration for SCADA connectivity.
CO#5	\$42,779	BFP #1 and #2 custom fabrication of additional high pressure spray bars to facilitate bidirectional flow for belt washing, filtrate mist guards and protective bellows.
CO#6	\$18,778	Install four Vega pressure sensors to polymer injection rings (includes conduit, electrical, and system integration).
CO#7	\$12,580	Provide gravity backdraft dampers for exhaust fans EF-7 & EF-9 (\$2,519). Credit for not Insulating/painting PVC vent lines (- \$4,873). Masonry repair surrounding an existing drain line (\$669). Fabricate 316L SST washwater collection pans (\$8,897). Relocate drain lines in first floor air handling room (\$5,368)

Total \$188,445

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