



“Meeting community needs...enhancing quality of life.”

Department of Utilities
Wastewater Treatment Plant
2006 E Newberry Street
Appleton, WI 54915-3128
920-832-5945 tel.
920-832-5949 fax

To: Chairperson William Siebers and Members of the Finance Committee

From: Chris Stempa, Utilities Deputy Director

CC: Chris Shaw, Utilities Director
Kelli Rindt, Enterprise Fund Accounting Manager

Date: March 1, 2022

Re: *Approve: Change Order #7 to Staab Construction contract as part of the 2019 AWWTP Improvements Projects totaling \$57,614 resulting in a decrease in contingency from \$216,845 to \$159,231*

BACKGROUND:

On December 2, 2020 Common Council approved contract for the 2019 Appleton Wastewater Treatment Plant (AWWTP) Improvements Project to Staab Construction in the amount of \$2,689,000 plus a 12.5% contingency of \$336,125 for a total cost not to exceed \$3,025,125. The change order tasks (#1 through #6) summarized within Table 1 represents 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 and/or completion date.

CHANGE ORDER #7 PROPOSAL

During the Return Activated Sludge (RAS) pump replacement work, it was discovered that the 12-inch diameter tank drainage valves did not to effectively seat/close. These valves are manually opened as required to pump down select secondary clarifiers for maintenance activities. The internal seats of some of these valves have deteriorated over time and prohibited effective isolation from the tank drainage wetwell. Staab was asked to provide a proposal to replace all six of the existing tank drainage valves with stainless steel knife gate valves which are more resistant to corrosion. The new style valves will also come with extended actuating stems. This feature eliminates the need for staff to enter the pits (classified as a confined space) where these valves are housed. The replacement valve would have an extended stem that could be actuated without entering the confined space.

Table 1: Change Order Summary

Change Order #	Cost	Description
CO#1	\$2,152	Provide three (3) 12"x16" eccentric flex connectors on H-Building effluent pumps in lieu of concentric connectors
	\$15,122	Upsize primary clarifier drives from C31s to C42s
	\$12,818	Provide two (2) new 18 ft filtrate access locations.
	\$16,367	Replace and modify RFE lines to channel aeration blower and iron salt room with SS 316L
	\$2,123	Demo RFE line to #1 and #4 PD blowers
	(\$15,300)	Provide ceramic epoxy lined DI pipe for blended sludge pipe in lieu of glass-lined
	\$33,282	Total (remaining contingency = \$302,843)
CO#2	\$10,659	Modify K-Building L2 filtrate pipe access to correct leaking, replace 10" filtrate check valve (<i>remaining contingency = \$292,184</i>)
CO#3	\$1,260	Install flame trap assembly on east flare (\$1,260)
	\$2,300	Provide explosion proof flex connectors at flares (\$2,300)
	\$904	Provide disconnects at air compressors (\$904)
	\$3,766	Modify 4-inch RFE drain line in H-Building (\$3,766)
	\$3,165	Misc. painting at flares (\$3,165)
	\$4,485	Heat trace flame trap assemblies (\$4,485)
	\$15,880	Total (remaining contingency = \$276,304)
CO#4	\$20,582	Primary Clarifier #5 & 6 drain pump and rail system replacement
	\$1,046	Pull separate circuits for Primary Clarifier #5 & 6
	\$408	Provide new SST slide plates for Primary Clarifier #5 & 6
	\$2,850	Provide new SST ladders Primary Clarifier #5 & 6
	\$308	Provide new SST Local Control Station for Primary Clarifier #6
	\$25,194	Total (remaining contingency = \$251,110)
CO#5	\$5,553	Remove and replace section of 10-inch (offset) filtrate line in elevator chase
	\$3,039	New SST blow-off valves and PVC drain lines on RAS pumps
	\$11,828	New aluminum grating / tread plates over primary clarifier drives
	(\$5,310)	Credit for not painting RAS pumps
	\$15,110	Total (remaining contingency = \$236,000)
CO#6	\$5,590	Cost to provide temporary pumping system in H-Build effluent wetwell
	\$2,917	Provide two 10-in SS spools on filtrate line
	\$6,661	Coat additional 16-in and 24-inch diameter H-Build effluent piping
	\$351	Direct wire air compressor pressure tank automatic drain valves
	\$1,734	Install three Y-strainers on RFE lines (ML channel blowers, Hach analyzer)
	\$1,902	Install non-slip coating within outside secondary chemical containment.
	\$19,155	Total (remaining contingency = \$216,845)
TOTAL	\$119,280	

RECOMMENDATION

The associated tasks and materials are summarized in the attached Change Order #7 form totals \$57,614. The cost of materials represents 71% of the overall cost (minus bonding and contractor margins). The cost for materials and labor is in line with the tasks involved and reflective of similar work performed by Staab and other contractors at the AWWTP over the past year.

Approve Change Order #7 to Staab Construction contract as part of the 2019 AWWTP Improvements Projects totaling \$57,614 resulting in a decrease in contingency from \$216,845 to \$159,231

If you have any questions regarding the project or the associated change order please contact Chris Stempa at 832-2353.