



Department of Utilities
Wastewater Treatment Plant
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To: Chairperson Brad Firkus and Members of the Finance Committee

From: Chris Stempa, Interim Utilities Director

CC: Kelli Rindt, Enterprise Fund Accounting Manager

Date: February 1, 2024

Re: **Information: *Change Orders #12, #13, and #14 to Miron Construction contract as part of the AWWTP Sludge Storage Building Addition Construction Project totaling \$10,540.70 resulting in a decrease in contingency from \$532,546 to \$522,005***

BACKGROUND:

On July 20, 2022, Common Council approved a contract for the Appleton Wastewater Treatment Plant (AWWTP) Sludge Storage Building Addition Construction Project to Miron Construction in the amount of \$5,330,989 with 15% contingency of \$799,648 for a project total not to exceed \$6,130,637. The change order tasks summarized within Table 1 on page 2 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.

CHANGE ORDER #12

Change Order #12 reflects the labor and materials cost associated with coating the steel reinforcement that was approved in Change Orders #6 and #8.

CHANGE ORDER #13

Change Order #13 reflects the labor and material cost to modify the new east conveyor structural supports that currently reside within the walkway. The conveyor was designed and installed per the approved submittal. However, there was not sufficient resolution on the finished dimensional clearances between the east end of the conveyor walkway and the C-channel structural supports crossing above (fastened to the concrete roof precast double tees). In recognition of this, the equipment provider, Miron, and their subcontractor absorbed over 60% of the original change order proposal. The revised change order was subsequently formally authorized. Biosolids in storage are currently limiting lift access from below to perform this work. As such, the work will not likely be performed until the spring of 2024 after biosolids land application activities are complete.

CHANGE ORDER #14

Change Order #14 reflects a credit of \$2,028.60 to account for the elimination of the new conveyor drip pans. Appleton operations and maintenance staff requested that the steel pans not be installed due to concerns with adequate clearance between the drip pan and the conveyor belt and rollers above. Under very cold winter conditions, biosolids can accumulate and freeze at specific locations which would have been compounded by a drip pan.

Table 1: Change Order (CO) Summary

CO #	Cost	Description
CO#1	\$28,171.18	Revised face brick from specified manufacturer to match existing
CO#2	\$30,235.78	Changes to stormwater design
CO#3	\$50,910.19	Changes to road pavement from flexible asphalt to concrete.
CO#4	\$15,607.16	Fire access lane extension and revise storage pad configuration.
CO#5	\$43,722.80	Light pole and circuit relocation, lintel support, steel column couplers
CO#6	\$46,436.94	Eight removable precast retaining wall sections and bent plate for removable walls.
CO#7	\$10,875.79	Extend existing height of existing walk plank columns, relocation of conveyor speed switch, louver opening modifications, wall extension, and credit for reusing existing electrical conduit.
CO#8	\$21,496.52	Steel reinforcement of the existing wall plank columns.
CO#9	\$2,942.55	Demolition of lime screw auger assembly and controls, solid trench drain covers, modification to conveyor plow drop chute, and credit for plow hand actuators in lieu of electric actuators.
CO#10	\$9,659.30	Replace existing east overhead door track door with a new coiling door
CO#11	\$7,044.35	Explosion proof coiling door operator and controls.
CO#12	\$7,487.77	Painting/coating for additional steel fabrication associated with CO#6 & #8.
CO#13	\$5,081.53	East conveyor catwalk modifications.
CO#14	+\$2,028.60	Credit to eliminate east conveyor drip pans.

Total \$277,643.26

The \$277,643.26 in costs through Change Order #14 represents 35% of the original \$799,648 of approved contingency. Substantial completion will be obtained later in February with the formal commissioning of the conveyor systems and fire suppression deluge system. Final completion will not occur until May or June 2024.

Please contact me at 920-832-5945 if you have any questions or require additional information regarding this project.