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

From: Chris Stempa, Utilities Deputy Director

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

Date: October 3, 2022

Re: Information: *Change Orders #8 and #9 to Staab Construction contract as part of the 2019 AWWTP Improvements Projects totaling \$24,320 resulting in a decrease in contingency from \$159,231 to \$134,911*

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 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 #8

Staab was asked to provide a proposal to remove two degraded 8-inch diameter Victaulic Tees and provide new flanged tees in the lower level of the primary digesters. The work was deemed critical given the impaired condition of the pipe and location. Staab was mobilized and familiar with the piping arrangement having replaced the upstream blended sludge piping. The location of degraded pipe did not allow for isolation of the anaerobic digester gas or sludge to safely perform the necessary repairs. Therefore, as part of the change order proposal Staab subcontracted with a company that was experienced with freezing the contents within a pipe which allowed for the installation of new isolation valves. That in turn allowed for the replacement of the impaired pipe fittings previously described.

CHANGE ORDER #9

Staab was asked to provide a proposal to remove six electrically actuated slide "Hydro Gates" located at the inlet flumes of each of final clarifiers. These slide gates were constructed of aluminum and since their installation in the late 1990s had deteriorated because of chloride exposure. As a result of the deterioration, the gates did not effectively seal and limited the

ability to effectively take final clarifiers offline to perform tasks within Staab’s existing scope of work including various preventative maintenance activities conducted by AWWTP staff. The ability to isolate a secondary clarifier would still be possible with the use of existing manual slide gates.

Table 1: Change Order Summary

Change Order #	Cost	Description
CO#8	\$10,388	Pipe Freezing, remove two 8" GE tees and install new FL tees
CO#9	\$13,992	Hydro Gate Removal

The associated materials and labor expenses represented in each change order (minus bonding and contractor margins) are in line with the tasks involved and reflective of similar work performed by Staab and by other contractors at the AWWTP during 2022.

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