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Department of Utilities
Wastewater Treatment Plant
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To: Chairperson Kyle Lobner and Members of the Finance Committee

From: Utilities Deputy Director, Chris Stempa

Date: November 19, 2020

Re: Finance Committee Action: Award "2019 AWWTP Improvements Project" Base Bid with no Alternate Bids to Staab Construction in the amount of \$2,689,000 with 12.5% contingency of \$336,125 for a project total not to exceed \$3,025,125

Finance Committee Action: Approve positive fund balance transfer of \$461,180 from the AWWTP 2017 Improvements Project and \$74,442 from the Phase 2 Midway Lift Station Improvements Project for a total amount of \$535,622

The 2019 Appleton Wastewater Treatment Plant (AWWTP) Improvements Project was originally comprised by five individual projects identified in the 2019 budget that involve the rehabilitation, replacement, or improvements to address immediate needs and long term reliability. Those project elements include Return Activated Sludge (RAS) pump replacement, piping modifications (e.g. filtrate piping and rehabilitation of the waste gas burner system), Primary Clarifiers #1 through #4 concrete recoating, repair of the outside secondary containment for chemical offloading, and replacement of the plant air compressors.

The filtrate tank repairs and piping modification contract was awarded by Common Council in early March 2020 and completed in May to advance the work ahead of the other project elements because of implications to seasonal low-level ammonia effluent discharge limits. There were other critical operation and maintenance (O&M) needs identified during that initial phase of construction that were outside of the original 2019 AWWTP Improvements Project scope. The Utilities Department staff acknowledged synergies with parallel efforts associated with the 2019 AWWTP Improvements Project that would be also required of 2020 Capital Improvement Projects (CIPs) along with the additional O&M work not previously identified within the budget. The list of additional project scope work summarized below was identified for inclusion as part of the 2019 AWWTP Improvements Project.

1. Plant Effluent Pumping Station #2 Pump Replacement (2020 CIP)
2. Primary Clarifier #5 and #6 Drive Replacement (2020 CIP)
3. Blended Sludge Piping Replacement

4. B-Building Headworks Slide Gate Replacement
5. B-Building and D-Building Programmable Logic Controllers (PLC's)

To take advantage of design and construction economies of scale and a potentially favorable bidding climate, McMahan included the additional scope items as part of the 2019 AWWTP Improvements Project bidding documents. Alternate bid items were identified based on the impact to treatment operations, meeting regulatory compliance, and seasonal impacts that could impeded work within one-year contract period. The alternate bid items would also provide flexibility with the contract award in the event the base bids exceeded the available project budget. Alternate bids #1 through #4 are described below for reference.

1. Deduct for removing rehabilitation of Primary Clarifiers #1 through #4
2. Deduct for removing floor and coating of floor and existing steel of Primary Clarifiers #5 through #6.
3. Deduct for removing demolition and replacement of blended sludge shell-in-tube heat exchanger.
4. Deduct for removing B-Building influent slide gate demolition and replacement.

BIDS:

On November 17, 2020 the City opened and reviewed the bids from three contractors which are summarized in the Table 1 below. Each bid met the submittal requirements. The alternate bids or any combination of alternative bids could not be accepted because the base bid exceeded the available budget identified as part of the 2019 AWWTP Improvements Project. As a result, Staab Construction was the least cost responsible bidder. Staab has successfully completed project work for the Department of Utilities in the past.

Table 1: 2019 AWWTP Bid Tab Summary

Company	Ahern	August Winter & Sons	Staab
Base Bid	\$3,582,000	\$3,783,000	\$3,762,000
Alternate #1	\$378,000	\$534,000	\$520,000
Alternate #2	\$176,000	\$266,000	\$365,000
Alternate #3	\$178,000	\$151,000	\$166,000
Alternate #4	\$27,000	\$25,000	\$22,000
Base Bid minus Alternate Bid Items	\$2,823,000	\$2,807,000	\$2,689,000

RECOMMENDATION:

The Utility requests the transfer of \$461,180 in remaining funds from the 2017 AWWTP Improvements Project and \$74,442 from the Phase 2 Midway Lift Station Improvements Project for a total amount of \$535,622 to cover the shortfall between the total bid price and the remaining original budget. The Finance Department was consulted and to help provide this recommendation.

I am requesting an award of the 2019 AWWTP Improvements Project Base Bid and no Alternate Bids to Staab Construction in the amount of \$2,689,000 with 12.5% contingency of \$336,125 for a project total not to exceed \$3,025,125.

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