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Department of Utilities
Wastewater Treatment Plant
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TO: Chairperson Vered Meltzer and Members of the Utilities Committee

FROM: Chris Shaw, Utilities Director

DATE: November 6, 2019

RE: *Award AWWTP Primary Clarifier #3 and #4 Cured-in-Place Pipe lining contract to Visu-Sewer in the amount not to exceed \$51,250*

This memorandum is regarding the request for contract award to perform operationally critical pipe repair work at Appleton Wastewater Treatment Plant (AWWTP). Background and quotation results are provided below.

BACKGROUND:

There are six primary settling clarifiers at the AWWTP. These tanks are the second stage of the wastewater treatment plant process following screening and grit removal. The primary clarifiers were constructed in pairs starting with the original plant construction in 1936 (#1 and #2). Four additional tanks were constructed during subsequent upgrade projects in 1964 (#3 and #4) and 1994 (#5 and #6).

The buried suction pipe associated with Primary Clarifier #3 was found to be in need of repair or replacement earlier this year following a televising inspection. Cured-in-place pipe (CIPP) was identified as the method of rehabilitation because of the length of existing pipe buried beneath concrete or tank infrastructure. CIPP lining was preferred to wholesale pipe replacement because it was anticipated to be more cost effective and less invasive than wholesale pipe replacement. It should be noted that Primary Clarifier #3 remains offline until necessary repairs are completed.

To facilitate the CIPP, the contractor could be required to excavate a small section of the existing suction pipe to facilitate the lining process. That excavation would also expose the suction line of Primary Clarifier #4 because of their close proximity to one another. Primary Clarifier #4 was included as part of this RFQ because the pipes are of the same vintage, are located in close proximity to each other, and there was potential for savings realized as part of a single mobilization and excavation.

RFQ RESULTS

A Request for Quotation (RFQ) was submitted to four firms that specialize in CIPP lining services. The contractors were required to provide a quote that met or exceeded the RFP lining specifications and took into account their professional opinion to line these pipes either with or without performing an excavation. Two of the four firms provided a formal response. A summary of the quotes received is found below.

COMPANY	QUOTE
Visu-Sewer	\$51,250
Michel's	\$188,253
InsituForm	DNP
Terra Construction	DNP

DNP: Did not propose

Visu-Sewer was the least cost quote and has provided pipe lining services in the past for the City of Appleton.

RECOMMENDATION:

Approval of AWWTP Primary Clarifier #3 and #4 Cured-in-Place Pipe lining contract to Visu-Sewer in the amount not to exceed \$51,250. The contract will be funded by available 2019 AWWTP O&M budget dollars.

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