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Department of Utilities
Wastewater Treatment Plant
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To: Chairperson Kathy Plank and Members of the Finance Committee

From: Utilities Deputy Director, Chris Stempa

cc: Chris Shaw, Utilities Director; Robert Kennedy Wastewater Plant Operations Supervisor; Kelli Rindt, Enterprise Fund Accounting Manager

Date: November 16, 2017

Re: *Award Appleton Wastewater Treatment Iron Salt Room Rehabilitation Project to August Winter & Sons Inc. Construction in the amount of \$398,575 with a 15% contingency of \$59,786 for a project total not to exceed \$458,361*

BACKGROUND:

Phosphorus treatment is a requirement to meet Wisconsin Pollution Discharge Elimination System (WPDES) permit limits for phosphorus. The Appleton Wastewater Treatment Plant (AWWTP) relies upon metal salts (e.g. iron salts) to remove phosphorus from wastewater at strategic points of application within the treatment train. Iron salts in the form of ferric chloride and spent pickle liquor (diluted ferrous sulfate) are the primary chemicals used at this time. These chemicals are corrosive in nature (i.e., acidic) and stored in four 5,000 gallon fiberglass reinforced plastic (FRP) tanks inside the existing F2-Building. The mechanical, electrical, and structural components within the existing chemical storage room were constructed as part of the early 1990's AWWTP upgrades project.

Evidence of significant deterioration has been observed in the FRP tanks, conveyance pipe fittings, and isolated areas of the underlying secondary containment pit liner. This project will rehabilitate the existing chemical storage room after 22 years of continuous use. It will also incorporate improvements to the chemical feed system that will allow for precision chemical dosing necessary to consistently achieve future low-level phosphorus limits.

PROPOSALS:

On November 16, 2017 the City reviewed contractor quotes and verified that that all three contractors met submittal requirements. The following table identifies the contractor bids:

Company	Bid Price
August Winter & Sons Inc.	\$398,575
J.F. Ahern	\$406,888
Reeke-Marold-Company	\$430,000

The bid received from August Winter & Sons Inc. was the least cost and within the capital improvement project construction budget (\$500,0000). August Winter & Sons has satisfactorily completed project work for the City of Appleton in the past.

RECOMMENDATION:

I am requesting award of the Appleton Wastewater Treatment Iron Salt Room Rehabilitation Project to August Winter & Sons Inc. in the amount of \$398,575 with a 15% contingency of \$59,786 for a project total not to exceed \$458,361.

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