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To: Chairman Greg Dannecker and Members of the Utilities Committee

From: Chris Stempa, Utilities Deputy Director

cc: Chris Shaw, Utilities Director

Date: March 7, 2018

Re: *Approval of an Engineering contract for the Briarcliff and Midway Road Lift Station Improvements Projects to McMahon in the amount of \$37,375 plus a 15% contingency of \$5,606 for a total cost of \$42,981*

BACKGROUND:

The Briarcliff and Midway Road Lift Station Project formulated as part of the 2018 budget process to address reliability issues and long-term site specific needs with the Briarcliff and Midway Road sewage lift stations. For reasons of economy these projects are being bundled with a single contract for engineering services. A description of each lift station project site is found below.

Briarcliff Lift Station: The Briarcliff Lift Station is located within the terrace at 1710 North Briarcliff Drive and was originally constructed in 1969. It is the smallest lift station within the Appleton sanitary sewer service area. Escalating occurrences of electrical system failure, sewage pump blockages, and various wetwell and drywell component deterioration has increased the potential for sanitary sewer bypasses and basement backups. The Briarcliff lift station below grade "can" system design is intended to be replaced with a submersible pump station similar to other recent lift station improvement projects (e.g. 2016 Scarlet Oak Improvements Project). This upgrade will eliminate the need for non-permit confined space entry into an existing drywell to access pumping equipment. The planned Briarcliff upgrades are further intended to improve response during emergency and planned maintenance events. The project will require Wisconsin Department of Natural Resources authorization.

Midway Road Lift Station: The Midway Road Lift Station is located within the terrace between the 1200 and 1300 block of Midway Road within the City of Appleton. Constructed in the early 1990's, it remains the fifth largest raw sewage lift station system in the Appleton Sewer Service Area. While the only one of these five that is not equipped with permanent on-site secondary power generation capabilities, it is equipped with the necessary electrical connections to facilitate portable emergency back-up power. There is no designated parking along the four lane Midway Road. Therefore, Utility service trucks are required to park on Midway Road with

necessary signage while performing routine and unscheduled emergency response maintenance work. This includes circumstances when the temporary deployment of a portable generator is required to maintain continuity of sanitary lift station conveyance for the surrounding commercial and residential customers.

RFP PROCESS:

The request for proposal was distributed to three engineering firms. Representatives from each firm attended a pre-proposal meeting that defined the project, scope, and held a question and answer session. A site tour was held to orient the engineering firms to the project location. The following table identifies the engineering firms along with their proposal score and proposal pricing:

Company	Total Score ⁽¹⁾	Quote Pricing	Points Value Factor	Final Ranking
Applied Technologies	122	\$44,776	2.7	3
Donohue	244	\$43,369	5.6	2
McMahon	234	\$37,375	6.3	1

Notes:

1. “Total Score” represents the combined total from each of the three evaluation team members.
2. Point Value Factor Method = (Qualitative Proposal Score/ Quote Price) x 1,000. The highest point value factor derived is considered the best value proposal.

An evaluation team completed their review of the submitted proposals. Firm proposals were evaluated and scored. The evaluation team found that McMahon provided a proposal with the best value which met the City’s needs. The McMahon project team is experienced with municipal lift stations of similar size and complexity. Their proposal demonstrated a comprehensive approach that delivered construction and improvement alternatives that address the current lift station needs and deficiencies.

RECOMMENDATION:

Approval of an Engineering contract for the Briarcliff and Midway Road Lift Station Improvement Projects to McMahon in the amount of \$37,375 plus a 15% contingency of \$5,606 for a total cost of \$42,981.

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