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Department of Utilities

To: Chairman Joe Martin and Members of the Utilities Committee

From: Chris Stempa, Utilities Deputy Director

cc: Chris Shaw, Utilities Director

Date: April 17, 2014

Re: *Approval of an Engineering contract for the Everett Street Lift Station Improvements Project to McMAHON in the amount of \$45,977 plus a 15% contingency of \$6,897 for a total cost of \$52,874*

BACKGROUND:

The Everett Street Lift Station was originally constructed in 1961 and rebuilt with a Gorman-Rupp factory-built system in 1997. The lift station is located on the north side of the 2500 block of Everett Street west of the intersection with Lynndale Drive and is the third largest lift station of the fourteen city lift stations. The lift station has a capacity of 0.60 MGD. The station includes a 7,500 gallon wet well with two, 200 gpm Gorman-Rupp TA43-B pumps. The station pumps have reached their useful life and are stressed to keep up under high flow conditions increasing the potential for sanitary sewer bypasses and basement backups.

The current pumping conditions can create excessive pump run times and cycling which increases electrical costs. The new pumps will be designed to address infiltration and inflow during rain events. The lift station wet well level controls are in usable condition but may be replaced if appropriate. Other station upgrades may include flow monitoring, pump programming, SCADA integration and the installation of a standby generator capable of providing lift station operation during power outages. The generator installation will improve the dependability of the lift station and lessen the demand on the deployment of a portable power generator during active or emergency conditions.

The 1,118 feet long, six inch diameter cast iron forcemain (also 1961 vintage) that services the Everett Street Lift station is planned for replacement in 2014 under a separate project (identified under the same CIP) through the Appleton Department of Public Works. The existing forcemain has failed twice due to corrosion and differential settling, most recently in August 2013. This project will include tying the existing forcemain into the new forcemain which is to be terminated within 10 feet of the existing lift station.

RFP PROCESS:

The request for proposal was distributed to four 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 per Dollar Factor ⁽²⁾
Donohue	168	\$98,915	17
McMAHON	262	\$45,977	57
RA Smith National	132	\$52,752	25
Strand	188	\$44,400	42

Notes:

1. “Total Score” represents the combined total from each of the four evaluation team members.
2. “Points per Dollar Factor” = Quote Pricing divided by Total Score x 10,000. The highest number is considered the greatest value.

An evaluation team completed their review of the submitted proposals. Firm proposals were evaluated and scored. The evaluation team found that McMAHON had provided a proposal that best 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 or improvement alternatives that address current lift station deficiencies.

RECOMMENDATION:

I am requesting approval of an engineering contract to McMAHON for the Everett Street Lift Station Improvements Project in the amount of \$45,977 plus a 15% contingency of \$6,897 for a total cost of \$52,874.

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