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Department of Utilities
Wastewater Treatment Plant
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TO: Chairperson Joe Martin and Members of the Utilities Committee

FROM: Dean Fox, Information Technology Director
Chris Shaw, Utilities Director

DATE: July 18, 2013

RE: *Award Spectralink Phone System Cabling to Faith Technologies in the amount of \$122,916 and a 10% contingency of \$12,290 for a project total not to exceed \$135,206*

BACKGROUND:

For safety, security, and efficiency reasons, the Utilities Department has maintained 100% wireless phone coverage throughout the interior and exterior areas of the water and wastewater facilities. The original system that was installed at the wastewater plant utilizes a now obsolete analog technology to connect with the wireless phones. The company that completed the programming and installation no longer supports this technology and the computer that manages it is also obsolete. Should a failure occur with any critical portion of the current system, the wastewater plant would no longer have full communication coverage. Other available options, such as cell phones do not operate within the utilities plants due to the depth of concrete and construction materials in the facility.

A survey was completed to determine the scope of work that would be required to replace the current system. That survey indicated 154 access points would need to be installed throughout the wastewater plant to obtain the 100% coverage needed.

This project includes cabling of the 18 wastewater buildings, connecting tunnels in the lower and upper plant, as well as the external facilities including the hauled waste station, digester complex and chemical off-loading facilities. The water plant cabling is less complex as the square footage of the facility is confined to one building and it's exterior. To ensure competition, a request for quotation was sent out for the cabling portion of this project. The results are listed in the Table 1 below.

Company	Quote
Faith Technologies	\$122,916
Reliable Cable	\$164,722
Suburban Electric	DNP

The cabling is but one component of the larger phone project at the Utilities. Other project components that will be brought forward include software purchases, phones, and access points. Access points are system hardware that transmit and receive phone signals. The water treatment facility will be included in a later request to have access points upgraded. These other components were not brought forward at this time as they are currently being developed or will require sole source approvals.

QUOTE RESULTS:

The quote received from Faith Technologies was the least cost quote. The Information Technologies Department completed their review and recommends the cabling project to Faith Technologies. The project funding is from both the Water Treatment Facility and Wastewater Treatment Plant. The water plant portion of the quote is \$23,872 while wastewater treatment plant is \$99,044.

RECOMMENDATION:

Award Spectralink Phone System Cabling to Faith Technologies in the amount of \$122,916 and a 10% contingency of \$12,290 for a project total not to exceed \$135,206. If you have any questions regarding this project please contact Chris Shaw at ph: 832-5945 or Dean Fox at ph: 832-5892.

NOTE:

The correct name for Wastewater is: Appleton Wastewater Treatment Plant (AWWTP)

The correct name for Water is: Appleton Water Treatment Facility (AWTF)