



AGENDA MEMORANDUM

Action Item for the City Council Meeting of September 17, 2019

DATE: September 9, 2019

TO: Peter Zaroni, City Manager

THRU: Mark Van Vleck, Assistant City Manager
markvv@cctexas.com
(361) 826-3082

FROM: Jeff H. Edmonds, P.E., Director of Engineering Services
jeffrey@cctexas.com
(361) 826-3851

Dan Grimsbo, Executive Director of Water Utilities
dang@cctexas.com
(361) 826-1718

Master Services Agreement
Wastewater Treatment Plants and Lift Stations SCADA Improvements

CAPTION:

Motion awarding a three-year Master Services Agreement (MSA) to develop the master plan for a centralized wastewater control and monitoring system to allow operation of the City's six Wastewater Treatment Plants and 102 Lift Stations from one location, to Signature Automation, LLC of Addison, Texas, for a total amount not to exceed \$600,000.00, effective upon issuance of notice to proceed, with funding available from the Wastewater Capital Reserve Fund

SUMMARY:

This motion authorizes a three-year MSA with Signature Automation, LLC for a total amount not to exceed \$600,000. This MSA is to develop a master plan for a centralized control and monitoring system of the City's six Wastewater Treatment Plants and 102 Lift Stations from one location.

BACKGROUND AND FINDINGS:

The City has six Wastewater Treatment Plants and 102 Lift Stations. The current system is not installed in every wastewater facility, not integrated to a centralized location, and relies on outdated technology that is no longer manufactured, which makes system repairs very difficult.

This MSA will be used to develop a master plan for a centralized control and monitoring system of the City's six Wastewater Treatment Plants and 102 Lift Stations, with goals of saving money by reducing manning requirements at the Plants and earlier response to wastewater collection system issues through remote control and monitoring. The initial focus area will be the Oso WWTP and associated basin, which accounts for nearly 50% of the City's daily wastewater treatment. This MSA also provides capability for tasks such as design and construction oversight

of stand-alone SCADA instrumentation projects, preparation of cost estimates for future planned projects, design of electrical and communication system improvements, and other related technical support.

Signature Automation, LLC was selected for this project in May 2019 under RFQ 2018-01. This is a new contract, and there were 16 bidders in the wastewater project category. The selection committee with two representatives from Water Utilities and two from Engineering Services recommended Signature Automation, LLC as most qualified based on five factors: 1) experience of the firm, 2) experience of key personnel with specific experience with SCADA operating systems, 3) project approach and management plan, 4) capacity to meet the project requirements and timelines, and 5) past performance.

ALTERNATIVES:

The wastewater system can continue to operate without centralized control, however there will be higher labor costs and lower reliability.

FISCAL IMPACT:

Funds for this three-year Master Services Agreement to Signature Automation, LLC of Addison, Texas, for a total amount not to exceed \$600,000.00, for development of a centralized Wastewater Supervisory Control and Data Acquisition (SCADA) system for the City's six Wastewater Treatment Plants and 102 Lift Stations are available in the "Pay as you go" Wastewater Capital Reserve Fund 4510. This MSA is to develop a master plan for a centralized control and monitoring system of the City's Wastewater Treatment Plants (WWTPs) and Lift Stations, with goals of saving money by reducing manning requirements at the Plants and earlier response to wastewater collection system issues through remote control and monitoring of the Lift Stations. The initial focus area will be the Oso WWTP and associated basin, which stretches from Ocean Drive across the Southside of the City and accounts for nearly 50% of the City's daily wastewater treatment. This MSA can also address other design and construction requirements to either install or upgrade SCADA equipment in the City's wastewater system to improve operations and/or reduce maintenance and repair costs.

Funding Detail:

Fund: 4510 Wastewater Capital Reserve Fund (Pay-as-you-go Fund)
Project: 18082A
Account: 550950 Professional Services
Activity: 18082-A-4510-EXP
Terms: Base three-year contract up to an amount of \$600,000

RECOMMENDATION:

Staff recommends awarding the three-year Master Services Agreement contract to Signature Automation, LLC of Addison, Texas.

LIST OF SUPPORTING DOCUMENTS:

Agreement