

CONTRACT

Ordinance Fact Sheet

Construction/Misc. Form



Brief Title
 Authorizing a construction contract, a design professional services Amendment No. 1, and a sole source purchase agreement for the Wastewater SCADA Improvements projects.

Approval Deadline

Reason
 To authorize execution of a construction contract, a design professional services amendment, authorizing an extension of the design professional services amendment's term; and a sole source purchase agreement and expenditures.

Details

Reason for Contract
 Authorizing a construction contract, a design professional services Amendment No. 1, and a sole source purchase agreement for 220 MHz radio frequency for the Wastewater Scada Improvements projects.

Discussion

Project Justification

This project is being done to develop a stand-alone wastewater Supervisory Control and Data Acquisition (SCADA) system including connections and monitoring of various wastewater treatment plants and pump stations. Communications between the sites will be either fiber optic lines or a new 220 MHz wastewater dedicated radio system.

The original design professional services project determined an approach for implementation of a new and separate Wastewater SCADA system. The ideas were developed into construction design documents and the construction project was bid on June 30, 2020. Construction phase engineering and resident phase services will be provided through an amendment to the original design contract.

Construction Project Description

The scope of work for the construction project includes the following: Construction of data communications fiber and radio links, adaptation of existing site PLC's and servers to Rockwell PlantPax technology, and integration of data into the control system including control screen graphics, history, and reporting tools.

Work will be performed at the following WSD facilities:

- Blue River Annex;
- Blue River Primary and Secondary Waste Water Treatment Plants;
- North Oak Tank and Task/Information Server Locations;
- Round Grove Pump Station;
- Rocky Branch Waste Water Treatment Plant;
- Fishing River Waste Water Treatment Plant;
- 87th Street Pump Station;
- Turkey Creek Pump Station;
- Santa Fe Pump Station;
- Westside Waste Water Treatment Plant;
- Line Creek Pump Station; and
- Buckeye Creek Pump Station.

The amount of this construction contract is \$5,504,323.10.

Design Professional Services Contract Summary

City Council approved Ordinance No. 180416 on June 7, 2018, which authorized \$1,370,672.00 for a Design Professional Services contract for the Wastewater SCADA project for development of the conceptual design report, preliminary and final construction bidding documents.

Roles and Responsibilities

Sponsor	Water Services Department
Department or Programs Affected	Water Services Department
Recommended Awardee	Mark One Electric Company, Inc. / Black & Veatch Corporation / NRTC
Contract Compliance Certification Obtained?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes
Opponents	Groups or Individuals None known Reason for Opposition
Responsibilities	Design Engineering: Black & Veatch Corporation Inspections: Black & Veatch Corporation Construction or Project Management: City staff Service Monitoring: City staff

Policy/Program Impact

Policy or Program Emphasis Change	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Operational Impact Assessment	

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