

Legislation Text

File #: BILL NO. 19-198, **Version:** 1

An Ordinance awarding Bid No. 1553161, for the Water Utilities SCADA Improvements Phase 2, to Integrated Controls, Inc., in the amount of \$653,182.00 and authorizing the City Manager to execute an agreement for the same. (PWC 8/27/19)

Issue/Request:

Approval of a construction and implementation contract for the equipment, software, and programming for the SCADA control system for Lee's Summit Water Utilities.

Key Issues:

- Lee's Summit uses a Supervisory Control and Data Acquisition (SCADA) system to monitor and control the pump stations, water towers, valves and miscellaneous remote sites to operate the water and sewer system.
- The SCADA system is included in the Utility's Equipment Replacement Program (ERP) and has been undergoing upgrades as specified by the SCADA Masterplan and funded by the ERP.
- Currently the SCADA system is receiving a communications upgrade moving the system from leased copper lines to radio and fiber optic communication.
- This phase of the SCADA upgrade will be to replace the existing base equipment and software or Human Machine Interface (HMI) with a newer version as specified in the SCADA Masterplan.
- The attached contract will hire Integrates Controls Inc. to replace the servers and computers at our Operations SCADA Center, upgrade select controls in our remote facilities, and program the new SCADA controls software in order to finish the upgrade of our SCADA system as per the ERP and the SCADA Masterplan.
- The City advertised and bid this project and received 4 bids.
- Integrated Controls Inc. has been determined to be the lowest responsive and responsible bidder.

Proposed City Council Motion:

FIRST MOTION: I move for a second reading of an Ordinance awarding Bid No. 1553161, for the Water Utilities SCADA Improvements Phase 2, to Integrated Controls, Inc., in the amount of \$653,182.00 and authorizing the City Manager to execute an agreement for the same.

SECOND MOTION: I move for adoption of an Ordinance awarding Bid No. 1553161, for the Water Utilities SCADA Improvements Phase 2, to Integrated Controls, Inc., in the amount of \$653,182.00 and authorizing the City Manager to execute an agreement for the same.

Background:

The SCADA System has been undergoing upgrades as part of the Utility's Equipment Replacement Program (ERP) and as

recommended in the SCADA Master Plan. The first component has been the upgrade of the SCADA communications system. The next phase of this upgrade will be the replacement of the computers and software which control the various remote Water Utilities sites.

The SCADA Master plan reviewed various vendors and Human Machine Interface (HMI) programs for the control of this system and made recommendations based on a weighted matrix of components and needs set by the Utility. This project will replace the servers and computers at our Operations SCADA Center, upgrade select controls in our remote facilities, and program the new SCADA controls software in order to finish the upgrade of our SCADA system.

Mark Schauffler, Director of Water Utilities

Recommendation: Staff recommends approval of an Ordinance awarding Bid No. 1553161, for the Water Utilities SCADA Improvements Phase 2, to Integrated Controls, Inc., in the amount of \$653,182.00 and authorizing the City Manager to execute an agreement for the same

Committee Recommendation: The Public Works Committee voted 4-0 to recommend to City Council approval of an Ordinance awarding Bid No. 1553161, for the Water Utilities SCADA Improvements Phase 2, to Integrated Controls, Inc., in the amount of \$653,182.00 and authorizing the City Manager to execute an agreement for the same.