



**CITY OF WASHINGTON, ILLINOIS**  
**City Council Agenda Communication**

**Meeting Date:** Monday June 5<sup>th</sup>, 2023

**Prepared By:** Brian Rittenhouse – Public Works Director

**Agenda Item:** Central SCADA System Improvements Purchase Authorization.

**Explanation:** The City has three independent Supervisory control and data acquisition/Human Machine Interface (SCADA/HMI) systems utilizing two different software platforms. Carefully combining the three systems into one platform would create efficiencies in operational and licensing/support costs. Also, the implementation of a more modern software platform will provide the City with some new and significant features, such as secure mobile access, historical datalogging, redundancy, and improved alarm management. The transition to one SCADA/HMI system will take several phases to implement, and the Liftstation SCADA/HMI system, which will be the base of the Central SCADA System, should be the first to be modernized.

Concentric Quoted \$109,960.00 for the following recommendations.

**Recommendations**

The City migrates & modernizes the Lift Station SCADA System to become the base of a new Central SCADA System:

- Setup a Central SCADA network between the City's Admin and existing SCADA networks
- Replace the existing Lift Station SCADA computer with new server-grade hardware
- Replace the FactoryTalk View SE/WIN-911 platform with the Ignition software
- Migrate the Lift Station SCADA application from FTViewSE / WIN-911 to Ignition

**Fiscal Impact:** Request \$109,960.00. \$110,000.00 was budgeted for the Central SCADA System Improvements.

**Recommendation:** Staff recommends contracting Concentric Integration to complete the Central SCADA System Improvements. This was an identified project in the SCADA Master Plan that was brought before Committee of the Whole in December of 2022. It was Recommended as a CIP Project. Lead times on some components are estimated to be 6 months.

**Action Requested:** Authorization to contract Concentric Integration to complete the Central SCADA System Improvements in a not-to-exceed amount of \$109,960.00.