

AGENDA REPORT

To: Mayor Pat Humphrey and the Clare City Commission
From: Jeremy Howard, City Manager
Date: April 12, 2023
Regarding: Approval of Sole Source SCADA Contract – Purchase and installation of Supervisory Control and Data Acquisition (SCADA) equipment for the City's Michigan Economic Development Corporation (MEDC) Community Development Block Grant (CDBG) Water Resources Infrastructure (WRI) Grant Project

For the Agenda of April 17, 2023

Background. In October of 2022, the City of Clare was awarded a \$2.77 million dollar grant (2 million in grant funds and 770,000 in city matching funds) from the MEDC CDBG WRI program for the construction of a new water well, water treatment facility improvements, new chemical feed system, electrical updates, lab updates, new backwash and retention tanks, new and integrated SCADA system, replacement of high service pumps and other water-related infrastructure improvements.

As an integral part of the city's water infrastructure project, SCADA equipment is used to monitor equipment and processes for emergency conditions as well as normal operations. The City plans to install and integrate new SCADA equipment at the water treatment plant on Maple Street. This work was intentionally not included in the MEDC-funded grant portion of the project as the SCADA technology is quite proprietary in nature and does not integrate well from one provider to another. By not including this equipment directly in that portion of the project it allows the City discretion in awarding the SCADA work on a sole-source basis, thereby eliminating potential issues.

In consultation with the engineering staff of Gourdie-Fraser, the necessary SCADA controls have been designed for the water plant/Towers/Wells/etc. and a quote for the equipment and installation has been received from Perceptive Controls, Inc., who is the City's designated provider of SCADA equipment, controls, and installation. The City currently uses equipment, computer software, and processes designed, installed, and maintained by Perceptive for all of the City's wastewater lift stations as well as monitoring operation controls at the City's wastewater treatment plant, and the north water tower. The new water plant equipment will integrate with our existing monitoring/computer equipment. The quote for the cost of the equipment, design, installation, and integration of the SCADA controls for the water plant came in at \$323,345.00. The City Commission is asked to authorize a Not To Exceed cost of \$325,000.

Our review of the negotiated contract/quote meets all of the City's purchasing policy requirements as a sole source contract approval based on our long-time work and history with Perceptive Controls and also meets the requirements of MEDC. The City Commission is asked to approve the proposed agreement and authorize the Mayor and/or the City Manager to execute any and all documents related to said contractual agreements on behalf of the City of Clare and authorize the City Treasurer/Finance Director to make any and all necessary budget amendments.

Issues & Questions Specified. Should the City Commission approve the sole-source purchase of SCADA equipment, its installation, and integration for the project?

Alternatives.

1. Approve the sole-source equipment and installation purchase.
2. Not approve the sole-source equipment and installation purchase.
3. Defer/delay the decision of this matter to a subsequently scheduled City Commission meeting.

Financial Impact. The total cost for the installation of SCADA equipment for the water plant is \$323,345. The cost of these services will be paid for out of the city's matching funds for the overall grant. We also anticipate that a portion of these costs will be absorbed by the PRPs (Principle Responsible Parties). With the adoption of Resolution 2022-039 on May 2, 2022, the city approved, as part of the application, a commitment to a local match in the amount of \$770,590.

Recommendation. I recommend that the City Commission approve the sole-source design, purchase, installment, and programming of SCADA equipment and software from Perceptive Controls, Inc., authorize the amount not to exceed \$325,000, authorize the City Treasurer to complete all necessary budget amendments, and authorize the Mayor and/or the City Manager to execute any and all documents related to said contractual agreements on behalf of the City of Clare by the adoption of Resolution 2023-025 (*copy att'd*).

Attachments.

1. Perceptive Controls, Inc. SCADA quotes for equipment and installation.
2. Resolution 2023-025.



Subject: Quote, Water Control Panel Upgrades, Clare

Quote: 20230327LW01

Date: 3/27/2023

Perceptive Controls, Inc

Scope

- Replace current SCADA panels using GROOV epic controls and touch screen.
 - All Water SCADA panels to be replaced with GROOV Epic control system.
 - 6" touch screen (Except Water treatment plant).
 - Add UPS battery back-up system.
 - Adequate spacing for future I/O expansion.
 - Cell modem installed for each control panel.
- (1) main SCADA Water Treatment Plant control panel.
 - 23.8" Hope industrial panel mounted touch screen to replace small touch screen.
 - Centralized SCADA information from remote sites.
- (8) Remote SCADA control panels at the following locations (1 for each location):
 - 300,000 Gallon Water Tower.
 - 500,000 Gallon Water Tower.
 - McEwan Booster Station.
 - Wells, #6, #7, #8, #9, #10.

Deliverables

- (1) main PCP panel at Water Treatment Plant
- (8) remote control panels as described above.

Services

- Engineering and submittals.
- Design and Cadd schematics.
- Build and Testing.
- Onsite Start-up.

Terms

- Schedule of Values.

Notes

- Number of control panels required based on schematic below.

Exceptions

- Installation and field wiring not included.
- Conduit and field consumables not included.

Price: \$306,226.00



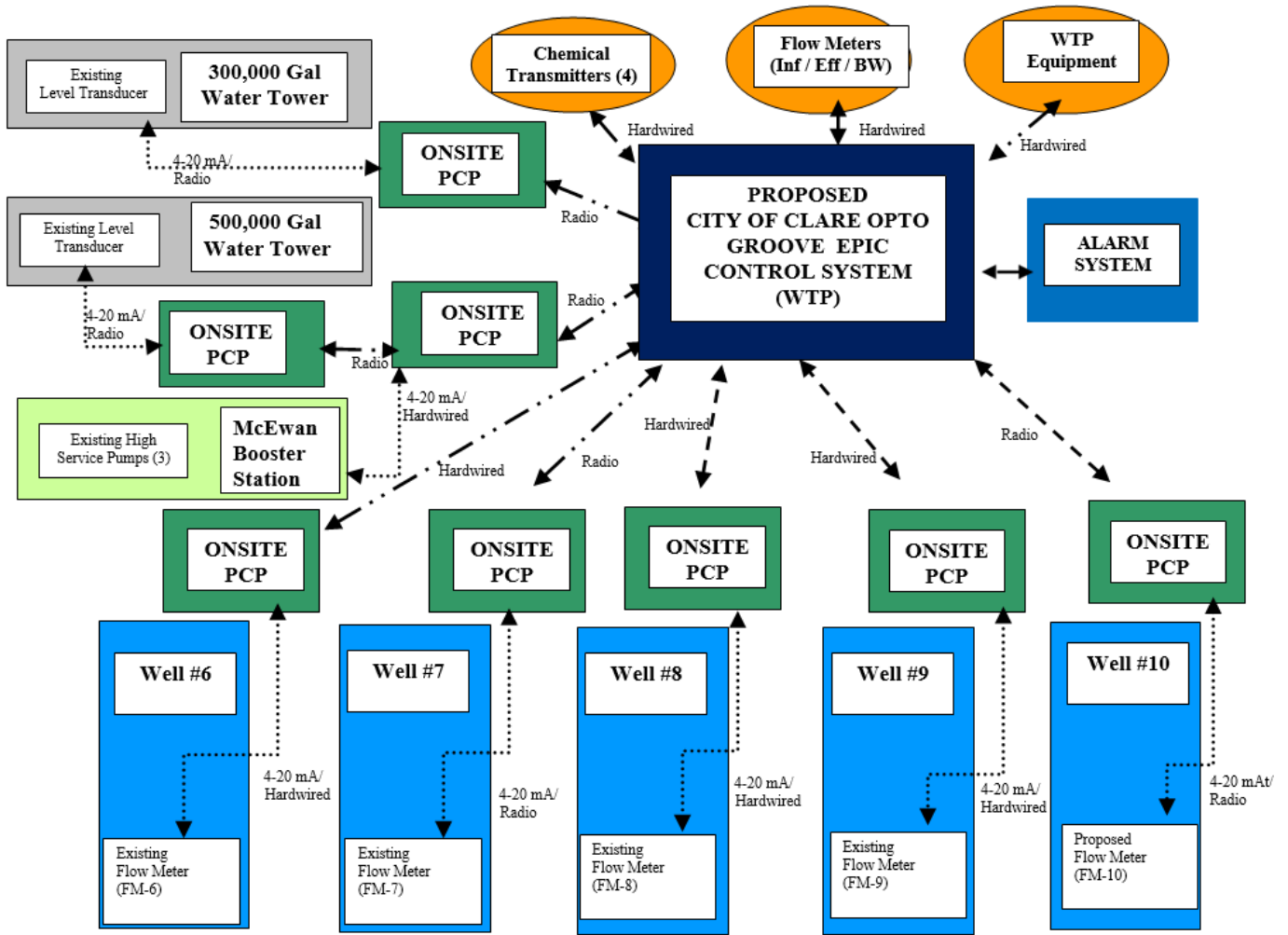
Best Regards,

Lawrence West

Lawrence "Larry" West

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269-275-9358



WTP INSTRUMENTATION & CONTROLS UPGRADES

17000-13



Subject: Quote, Water system controls platform at WWTP, Clare

Quote: 20230327LW02

Date: 3/27/2023

Perceptive Controls, Inc

Scope

- Add water system controls at Waste-Water Treatment Plant.
 - Hope industrial computer 23.8" touch screen.
 - Panel mounted to replace current 12" unit.
 - Mounted in current control panel.
 - Cell modem to communicate with Water Treatment Plant.
 - Misc. wire and mounting hardware.
 - Resize current screens to fit on new, larger touch screen.
 - Add control screens from water system to give SCADA for water system at WWTP.

Deliverables

- (1) Hope Industrial 23.8" touch screen.
- (1) Cell modem.
- Mounting hardware and misc.

Services

- Engineering and submittals.
- Update current drawings.
- HMI Programming
- Installation.
- Onsite Start-up.

Terms

- Schedule of Values.

Notes

- Parts hand carried loose and installed in current control panel.

Price: \$17,119.00

Best Regards,

Lawrence West

Lawrence "Larry" West

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RESOLUTION 2023-025

A RESOLUTION OF THE CLARE CITY COMMISSION APPROVING PROPOSED CONTRACT FOR SCADA EQUIPMENT, INSTALLATION, AND PROGRAMING WITH PERCEPTIVE CONTROLS, INC.

WHEREAS, the City of Clare applied to the Michigan Economic Development Corporation (MEDC) for a \$2.77 million dollar Community Development Block Grant (CDBG) Water Resource Infrastructure (WRI) grant; and

WHEREAS, due to the long-standing history and work between the City of Clare and Perceptive Controls as the city's SCADA contractor, the Clare City Commission has selected Perceptive Controls, Inc. as a sole source option under the City of Clare's purchasing policy to provide design, purchase, installment, and programming of SCADA equipment and software services for the MEDC CDBG WRI grant; and

WHEREAS, the Clare City Staff subsequently negotiated a cost agreement with Perceptive Controls for said services; and

WHEREAS, upon review, said proposed cost agreement meets all the City requirements and stipulations; and

WHEREAS, the City Staff has recommended that the Clare City Commission approve said contractual agreements with Perceptive Controls; and

WHEREAS, the Clare City Commission has considered said recommendation and determined it is in the City's best interests to approve the proposed cost agreement.

NOW THEREFORE BE IT RESOLVED THAT the City Commission of the City of Clare hereby approves an agreement for design, purchase, installment, and programming of SCADA equipment and software services with Perceptive Controls for part of the project being funded in great part by a Michigan Economic Development Corporation (MEDC) Community Development Block Grant (CDBG) Water Resource Infrastructure (WRI) grant.

BE IF FURTHER RESOLVED THAT the terms and conditions of said cost agreement are outlined therein and that the cost for said services shall not exceed \$325,000.

BE IT FURTHER RESOLVED THAT the Clare City Commission authorizes the City Treasurer to complete all necessary budget amendments and the Mayor and/or the City Manager to execute any and all documents related to said contractual agreements on behalf of the City of Clare.

ALL RESOLUTIONS AND PARTS OF RESOLUTIONS INSOFAR AS THEY CONFLICT WITH THE PROVISIONS OF THIS RESOLUTION BE AND THE SAME ARE HEREBY RESCINDED.

The Resolution was introduced by Commissioner _____ and supported by Commissioner _____. The Resolution declared adopted by the following roll call vote:

YEAS:

NAYS:

ABSENT:

Resolution approved for adoption on this 17th day of April, 2023.

Diane Lyon, City Clerk