

MEMORANDUM

Date: December 31, 2025
To: Rick Schmidt - City of Nekoosa
From: Greg Droessler, P.E. – Town & Country Engineering
Subject: Water and Wastewater SCADA Upgrades – Work Change Directive #10

The City of Nekoosa is contracted with Altronex (LW Allen) for SCADA and MCC upgrades at the City's water and wastewater facilities for a total price of \$637,450. To date, the project has had seven Work Change Directives totaling an additional \$42,838 in added costs for a variety of additional scope items added to the project. See the tracking list attached.

Altronex is currently working on the installation of the new equipment at the WWTF and offers the following proposed addition to the project.

1. Add the Equipment "Run" Status at WWTF. The proposed addition was requested to allow staff to remotely monitor which equipment is running at any time, as well as to allow the staff to then be notified if equipment fails to run or start. This is needed to allow staff to monitor the intermittent operation of items such as the aeration blowers to avoid jeopardizing permit compliance if the equipment fails to start. Altronex offered a price of \$21,118 for the additional work but will reduce this price to \$17,423 if the record drawings are to be updated in PDF format in lieu of CAD drawings. **We recommend that the contractor run the wiring and add the electrical components required to incorporate "run" status of the 17 pieces of equipment for the price of \$17,423.**

TOWN & COUNTRY ENGINEERING, INC.

Madison ♦ Rhinelander ♦ Kenosha ♦ Platteville
6264 Nesbitt Road • Madison, WI 53719 • (608) 273-3350 • tce@tcengineers.net

Work Directive Tracking

Total Work Directives	\$60,261.00	9.45%
Original Contract Price	\$637,450.00	
Revised Contract Price	\$697,711.00	



Project	Change Order Name	Reference/RFI	Change Order #
Nekoosa, WI Water & Wastewater SCADA Upgrades 2024	MCC-A & MCC-B Motor Run Statuses	Email	11064-C010

Dear Customer:

Thank you for your continued interest in SJE products, services and solutions. We are pleased to quote the following scope of work pertaining to the above-referenced project. Only the materials/services listed in the scope below.

Reason for change

A Blower failure brought to light the fact that the PLC panel doesn't get a "Run" status for the blower. Because of that, the SCADA system could not generate a "Call to Run" failure. So the operator thought the motor was running when it really was not. Our technician located this issue and notified the operator, that the majority of the motor loads do not have run status.

Scope of work

MCC-A Modifications

- Add current transformers for "Run" status to SCC-A
 - WAS/Scum Pump
 - Raw Sewage Pump 1
 - Raw Sewage Pump 2
 - Raw Sewage Pump 3
 - Grit Chamber Paddle Drive
 - Grit Pump
 - Grit Washer
 - Primary Clarifier 1
 - Primary Clarifier 2
- Pull #14 THHN from MCC buckets to SCC

SCC-A Modifications

- Use existing spare digital inputs to wire in new "Run" status
- Provide PLC programming to include new I/O

MCC-B Modifications

- Add current transformers for "Run" status to SCC-B
 - Aeration Blower 1
 - Aeration Blower 2
 - Final Clarifier 1
 - Final Clarifier 2
 - Submersible Chemical Solution Pump
 - Solids Contact Pump 1
 - Solids Contact Pump 2
 - Solids Contact Pump 3
- Pull #14 THHN from MCC buckets to SCC

SCC-B Modifications

- Provide and install new 1769-IA16 Card
- Provide PLC programming to include new I/O

SCADA Modifications

- Add new I/O to the SCADA graphics
- Add Call to Run Alarms for the above motor loads

Clarifications / Exclusions

NOTE: Customer Supplied Parts – Our scheduling team will issue a zero-cost PO for the parts approximately 14 days prior to the beginning of panel manufacturing. This change will not affect ship date and will help the factory maintain the inventory with customer-supplied parts. Please do not ship customer-supplied parts to the factory until you have received the zero-cost PO from us with shipment instructions.

Items specifically not included in this proposal

1. Sales or use tax.
2. Installation of equipment and job site labor other than as specified.
3. Receiving and storage of equipment on the job site.
4. Installation materials, brackets, wire, clamps, piping, junction boxes, etc., not specifically described in our material list.
5. Performance, payment or equipment bond of any kind.
6. Installation of any instruments.
7. Field Terminations.

Respectfully submitted by,



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Proposal Amount \$ 21,118.00

