



AUTOMATIC SYSTEMS CO.

Friday, April 16, 2021

Mr. Scott Przybilla
City of Marshall
344 West Main Street
Marshall, MN. 56258

Reference: Tiger Lake Lift Station
Control System Upgrade

Dear Scott:

In accordance with your request and Mark Juker’s site visit, we are pleased to offer our proposal to upgrade the existing control panel as follows:

- A One (1) **Proposed upgrade of the existing Tiger Lake Lift Station Control Panel** includes removal of the back chassis and all back chassis mounted components.

In place of, we propose to install, wire, and program a new back chassis UL Labeled, complete with circuit breaker, surge/lightning protection, fuses, True-On-line 700Va Uninterruptable Power Supply (UPS), UPS receptacle, Rockwell Micrologix 1400 Programmable Logic Controller (PLC) with Ethernet ports, PLC power supplies, PLC rack with Input/Output Modules as required, NTRON 708 Ethernet Fiber/Media Converter, relays, intrinsically safe barriers and customer terminal blocks as required.

Panelview Plus 7 1000 Color Operator Interface Module (OIM) will be flush mounted on the enclosure door.

Proposed upgrade shall completely control, monitor & alarm all lift station status and five (5) lift station pumps. OIM shall graphically display all status/alarms and Operator Adjustable setpoints through the Operator Interface Module. OIM shall provide software HOAs for the five (5) lift Pumps. OIM shall monitor, display and shut down pumps during “Utility Peak shaving”.

- B One (1) **VEGA Radar Level Transmitter** with 60’ of connecting cable installed over the wetwell and wired back to the new PLC within existing conduit.

- C One (1) **Modification labor required to add Tiger Lake Lift Station to the SCADA Computer Network** to graphically display all status, alarms, peak shaving, software HOA positions and historically record run times.

MANUFACTURERS REPRESENTITIVES		•	SYSTEMS INTEGRATION		•	INSTRUMENTATION	
<input checked="" type="checkbox"/> MAIN OFFICE	P.O. BOX 120359		ST. PAUL, MINNESOTA 55112	PHONE 651-631-9005		FAX (651) 631-0027	
<input type="checkbox"/> BRANCH OFFICE	P.O. BOX 787		AMES, IOWA 50010	PHONE 515-232-4770		FAX (515) 232-0795	
<input type="checkbox"/> BRANCH OFFICE			CHICAGO, ILLINOIS	PHONE 815-927-3386		FAX (651) 631-0027	

D One (1) **Lot of startup, checkout and owner training services as required.**

E One (1) **Electronic set of Updated ASC drawings** for insertion in your existing O&Ms.

Your net price for Items A through E, FOB factory with freight allowed to jobsite including one (1) year warranty from date of startup.....\$26,556.00.

Deduct the Panelview Plus 7 1000 from the above and in lieu of install a used PV provided by the City.
Your net deduct is\$3,412.00.

Deduct the 700 VA True Online UPS from the above.
Your net deduct is\$700.00.

Please note, prices do not include any:

- Sales or use tax (not applicable with ST3 Form on file).
- Fiber Optic Cable, terminations or associated PIC boxes.
- Disposal of existing removed equipment.

Thank you very much for the opportunity of providing you with the above proposal, should you wish to proceed with an order please sign on the space provided below and return a copy to this office. Upon receipt, we will immediately proceed with equipment release and scheduling.

Should you have any questions please don't hesitate to give me a call.

Sincerely,



Bruce Wirth, President
Automatic Systems Company

Item A through E
Accepted by: _____ Date: _____

cc: Mark Juker, ASC