



INDUSTRIAL AND MUNICIPAL AUTOMATION AND PROCESS CONTROL SYSTEMS

7950 CASTLEWAY DRIVE, INDIANAPOLIS, INDIANA 46250

PHONE (317) 577-3000 FAX (317) 577-3005

February 23, 2023

Q-15924

Allen Neff
Yorktown WWTP
2001 S. West Street
Yorktown, IN 47396

SUBJECT: Lift Station 600 Controls Upgrade

The lift station 600 control system will be upgraded with new PLC hardware, operator interface, and radar level transmitter. The controls system will be programmed to provide fully automatic operation of pumps 1, 2 and 3 as well as mixer pump 4. All three pumps will be staged on & off base on the level of the wet well. All setpoints will be adjustable from the operator interface to configure the on/off levels for all pumps. Level status, pump status and alarms will be indicated on the operator interface. Automatic pump alternation will be available to give equal runtime on each of the pumps. Manual operation of the pumps can be done from the operator interface or from the operators mounted on the door of the enclosure. Lift station alarm status will be interconnected to the existing Omni-Site monitoring unit. Below is a list of services provided.

- Demo existing Mitsubishi PLC hardware and I/O modules.
- Demo existing Mitsubishi operator interface.
- Demo existing Fogrod level hardware.
- Demo existing Endress & Hauser hardware.
- Provide and install one Vega radar level transmitter.
- Provide and install Allen-Bradley MicroLogix 1400 PLC and I/O modules.
- Provide and install Allen-Bradley PanelView Plus operator interface.
- On-site Start-up and commissioning.

Total price as describe above **\$13,935.00**

Option-1 Upgrade (2) Variable Frequency Drives to Allen-Bradley PowerFlex 753 Add \$7,933.00

Delivery is 4-6 weeks. Warranty is one year.

This quotation by reference incorporates the standard Frakes Engineering, Inc. terms and conditions for a fixed price contract. Any terms specifically called out in this Scope of Work will supersede the standard terms and conditions. The balance of the general terms and conditions still apply. If you do not have a copy of such standard Terms and Conditions, one will be provided upon request. Frakes Engineering warrants all supplied materials and labor for a period of 1 year from the date of beneficial use by the customer. Specific extended warranties by the manufacturers may cover materials, but not labor. Indiana Sales Tax has not been added and to be the responsibility of the purchaser. We look forward to the opportunity to assist you in completing this project.

Please give me a call if there are any questions.

Respectfully
FRAKES ENGINEERING, INC.

MICHAEL RUCKSTUHL
Project Manager, FEI

Handwritten calculation:
\$13,935.00
+ 7,933.00

\$21,868.00 total