



B&W Control Systems Integration

8678 Ridgefield Road · Crystal Lake, IL 60012

815.788.3600 office · 815.455.0450 fax · www.bwcsi.com

Mr. John Ingram
Public Works Superintendent
Village of Orland Park
14700 S. Ravinia Ave.
Orland Park, IL 60462

November 16, 2010

**Subject: 131st St Lift Station Controls Upgrade
BWCSI Job No. 101023**

Dear John:

As requested, following is our proposal for providing the controls upgrades at the 131st Street Lift Station.

Scope of Services

Equipment

- (1) Horner Electric 6" color touch screen/PLC with onboard I/O and additional I/O modules as required to replace the existing PLC.

Labor

Project Management

- Plan, schedule, and coordinate the activities that must be performed to complete the project.

Installation

- Install the new touch screen/PLC and additional I/O modules in the existing SCADA panel to replace the existing PLC.

Programming

- Program the new touch screen/PLC to be used as the primary controller of the three (3) variable speed lift station pumps based on wet well level.
- Program the master SCADA PLC and SCADA software to display additional status and control parameters of the 131st Street Lift Station.



Start-Up

- Provide start-up services to ensure that the lift station status information and alarms are transmitted to the SCADA Server and properly displayed.

Documentation

- Provide backup copies of modified PLC programs on CD-ROM.

Fee

Our fee for the above scope is a lump sum of \$16,190.

This fee is valid for 90 days from the date of this proposal.