



## **B&W Control Systems Integration**

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

November 16, 2010

**Subject: 131<sup>st</sup> St Lift Station Controls Upgrade  
BWCSI Job No. 101023**

Dear John:

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

## **Scope of Services**

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### ***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 131<sup>st</sup> 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**

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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.