
Poplar Grove North WWTP Upgrade

From Kurt Foster <kfoster@testinc.com>

Date Tue 10/14/2025 11:22 AM

To Kristi Richardson <KRichardson@villageofpoplargrove.com>

Cc Ion Stear <istear@testinc.com>

Kristi,

I'm working on reworking the North WWTP upgrade proposal. I got in contact with Win-911/Smart Sights and they informed me that you currently have a support agreement that is active till August 1st 2026. This will allow us to upgrade to the newest software without any additional cost. With this we can reduce the cost of the upgrades. The only things we will need for the Win-911 dialer is a Grand Stream modem for the connection between the computer and the analog phone line and a software addition for new SCADA software. I also removed the upgrade for the Disk Filter PLC upgrade but I kept a DC Power Supply and Ethernet switch in for future upgrades/integration.

The following is a breakdown of what is included with the proposal:

- Upgraded PLC for Influent Lift Station. With new fiber to copper converter ethernet switch using existing fiber connection.
- New fiber to copper ethernet switch in the main control panel for communications with the influent lift station.
- Redundant Allen-Bradley Control Logix Controllers for main control panel (CP-1 Process Control).
- Ethernet communications integrated with existing Allen-Bradley Flex I/O. For the following control panels:
 - CP-1 Process Control Rack 1 and Rack 2
 - CP-3 Process Valve SBR 1-2 Rack 1
 - CP-4 SBR 3-4 Rack 1
 - Blower Control Panel Rack 1 and Rack2
- New SCADA software (Factory Talk View SE Station) licensed to the city with a perpetual license that allows for all future version upgrades without additional cost. Unlimited displays that will allow the South plant to be added to the SCADA. The SCADA display programing will be done in a way that will be reusable for the future South WWTP upgrades to reduce programing cost for the South WWTP.
- Reprograming of the North WWTP automatic controls. The programing will be done in a way that will allow reusable code that can be used for the South WWTP future upgrades. This will reduce the cost of the programing for the South plant.
- Labor for installing new equipment and running Ethernet cables between the control panels. Hopefully, we can run the ethernet cables in the existing conduits that are currently being used for the existing communications. This will allow for network testing while keeping the existing controls in place to make the switchover easier. If needed we can use a temporary wireless system and run the ethernet cables after the switchover is made.
- On site startup and testing of the system after programing is ready and parts are installed.

So I looked over the prices for the hardware and there is not much change on the price since the last quote. I removed the Win-911 software and added the couple things that will be needed for the updated Win-911 software. Once we get the go ahead the programing will be done and tested off site prior to installation. The hardware will be configured off site so when the time comes to switch over to the new equipment there should be less issues. I did not include a new computer for the SCADA software.

We will get a proper quote for you soon. I am requesting a price check on the parts with our supplier and this might change the cost of the parts. If there is a change it will be on the actual quote.

Cost breakdown:

Parts:	\$ 106,857.90
Programing:	\$ 28,000.00
Labor/Startup:	\$ 38,500.00
Total:	\$ 173,357.98

Let me know if there is any questions,

Kurt Foster
TEST Inc., Peru, Illinois
Field Service, Programer
815-224-1650 Office
815-200-1376 Mobile
www.testinc.com

