

TEST Inc.

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Estimate

ADDRESS

Poplar Grove
200 North Hill Street PO Box 1
Poplar Grove, IL 61065

ESTIMATE 1026-PLC UPDATED
DATE 12/08/2025
EXPIRATION DATE 01/08/2026

DESCRIPTION		AMOUNT
PLC Services	<p>Poplar Grove North WWTP:</p> <p>Parts: \$110,110.80</p> <p>Programing: \$28,000.00</p> <p>Labor: \$38,500.00</p> <p>- Upgraded PLC for Influent Lift Station. With new fiber to copper converter ethernet switch using existing fiber connection.</p> <p>- New fiber to copper ethernet switch in the main control panel for communications with the influent lift station.</p> <p>- Redundant Allen-Bradley Control Logix Controllers for main control panel (CP-1 Process Control).</p> <p>- Ethernet communications integrated with existing Allen-Bradley Flex I/O. For the following control panels:</p> <ul style="list-style-type: none">o CP-1 Process Control Rack 1 and Rack 2o CP-3 Process Valve SBR 1-2 Rack 1o CP-4 SBR 3-4 Rack 1o Blower Control Panel Rack 1 and Rack2 <p>- 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.</p> <p>- 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.</p> <p>- 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.</p> <p>- Labor for on site startup and testing of the system after programing is ready and parts are installed. On Site training on new SCADA equipment and controls.</p> <p>Warranty information on parts, programing and labor.</p> <ul style="list-style-type: none">• Standard manufacturer warranty will be honored and under terms of manufacture. Allen-Bradley/Rockwell Automation does provide extended warranty for eligible products. Once parts are received Test Inc will fill out product registration forms and submit them to Rockwell for review. Product serial numbers are needed to complete registration forms and apply for the extended warranty. The following parts are likely to qualify for extended warranty: <p>- 1756-PA75</p>	176,610.80

- 1756-A4
- 1756-L72
- 1756-RM2
- 1756-EN2T
- 1756-EN2TR
- 1756-AENTR

• On site support shall begin after hardware installation is completed and initial plant startup is completed. For a period of two (2) months there shall be no additional cost to the Village of Poplar Grove including labor and travel cost.

• Remote support shall begin after hardware installation is completed and initial plant startup is completed. For a period of three (3) months there shall be no additional cost to the Village of Poplar Grove including remote program modifications and troubleshooting. Test Inc will provide a temporary secure remote gateway, at no additional cost, to assist in any programing debugging, changes and troubleshooting. After remote support has ended Test Inc will remove temporary gateway.

Parts included in quote:

Allen-Bradley - 1756-PA75 ControlLogix, 85-265 VAC Power Supply (13 Amp @ 5V) - Qty 2
 Allen-Bradley - 1756-A4 4 Slot ControlLogix Chassis - Qty 2
 Allen-Bradley - 1756-L72 ControlLogix 5570 Controller with 4 MB Memory, USB Port, 4 Character Alpha/Numeric Display. - Qty 2
 Allen-Bradley - 1756-RM2 Redundancy Module - Series B - Qty 2
 Allen-Bradley - 1756-RMC1 Fiber Cable, 1 Meter Qty - 2
 Allen-Bradley - 1756-EN2T EtherNet/IP communication module, 10/100M twisted pair, 128 TCP connections - Series D - Qty 2
 Allen-Bradley - 1756-EN2TR EtherNet/IP communication module, dual port, 10/100M twisted pair, 128 TCP connections - Series C. - Qty 2
 Allen-Bradley - 1783-USP1S4T Stratix 2100, 4 100Mb copper, 1 100Mb SFP slot - Qty 2
 Allen-Bradley - 1794-AENTR 1794 Flex, Flex Ex, Flex XT I/O System, FLEX I/O Dual Port EtherNet/IP Adapter Module - Qty 6
 Allen-Bradley - 1766-L32AWA MicroLogix 1400, 20 digital 120V ac inputs, 12 Relay outputs, 110/240V ac power - Qty 1
 Allen-Bradley - 1762-IF4 4 Channel Current/Voltage Analog Input Module - Qty 1
 Allen-Bradley - 1762-OF4 4 Channel Analog Output Module - Qty 1
 Allen-Bradley - 1606-XLP30E 1606-XLP30E: Compact Power Supply, 24-28V DC, 30 W, 120/240V AC / 85-375V DC Input Voltage - Qty 1
 Allen-Bradley - 1783-USP5T Stratix 2100 , 5 port unmanaged switch - Qty 2
 Allen-Bradley - 9701M-VWSTNBDLT40 FactoryTalk View SE Station Bundle: Unlimited Displays Perpetual with FactoryTalk View SE Station Bundle: Unlimited Displays Perpetual Self support, ESD - Qty 1
 CITEL - DS240S-120/G Surge Protection Device, 120 VAC Single Phase, 40kA, Visual fault indicator and remote contacts - Qty 1
 Smart Sights - Factory Talk Alarms And Events Connector - Qty 1
 Grandstream - UCM6301 VOIP modem for analog line - Qty 1

50% due up acceptance; balance upon completion.

By sign this estimate indicating that you would like to proceed with this project. Parts will be ordered upon signing of this agreement and receipt of 50% deposit

Completion of the project will be between 6-9 months from the date that parts are ordered.

Remit to:
2323 4th St. Peru, IL 61354

TOTAL

\$176,610.80

All remittance advices for electronic payments should be sent to
accounting@testinc.com

Accepted By

Accepted Date