



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Replacement of Water & Wastewater Master Radio SCADA Station at Public Works		
Presenter & Title:	Bob Van Gyseghem, Superintendent of Water & Wastewater		
Date:	July 3, 2023		
Please Check Appropriate Box:			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Associated Strategic Plan Goal/Objective: EMSII, ESII			
Estimated Cost: \$32,400.00	Budgeted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No
Executive Summary:			
<p>Tri-R Systems has been the City's SCADA integrator for more than twenty-five years and has a history of providing excellent service in the installation of control systems for the Water and Wastewater Plants. Security of the SCADA network and responsiveness to problems is the reason staff has continued the relationship with Tri-R Systems. The master radio station located at the Public Works building receives communication for the Water Treatment Plant, wells and sanitary sewer lift stations. The station was installed approximately 23 years ago. Many of the replacement parts of the station are discontinued with limited availability for remaining parts. This master station is a critical component of the utility and should be replaced now in controlled circumstances. This project will allow for the full and continuous operation of the Water SCADA system without disruption.</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution • Tri-R Quote 			
Voting Requirements:			
<p><i>This motion requires <u> 7 </u> affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the alderpersons has resulted in a tie; (b) when one half of the alderpersons elected have voted in favor of an ordinance, resolution, or motion even though there is no tie vote; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
Recommendation / Suggested Action: <i>(how the item should be listed on agenda)</i>			
<p>Recommend approval of a Resolution waiving competitive bidding and authorizing the City Administrator to approve the replacement of the master radio SCADA station by Tri-R Systems at a cost not-to-exceed a total of \$32,400.00</p>			

RESOLUTION NO. 2023-65

**Water & Wastewater Master Radio SCADA Station
Tri-R Systems**

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS, as follows:

SECTION 1: The the City Council of the City of Geneva, Kane County, Illinois hereby waive competitive bidding for the Master Radio SCADA Station; and

SECTION 2: That the City Administrator is hereby authorized to replace, on behalf of the City of Geneva, the water & wastewater master radio SCADA station by Tri-R Systems as proposed on Exhibit "A."

SECTION 3: This Resolution shall become effective from and after its passage as in accordance with law.

PASSED by the City Council of the City of Geneva, Kane County, Illinois, this ____ day of _____, 2023

AYES: __ NAYS: __ ABSENT: __ ABSTAINING: __ HOLDING OFFICE: __

Approved by me this ____ day of _____, 2023.

ATTEST:

Mayor

City Clerk



1804 E. LINCOLN HWY. DEKALB, IL 60115
 PHONE (815) 787-0830 FAX (815) 787-0930

Sent: June 7, 2023

**Re: *City of Geneva, Illinois
 Master Radio Polling SCADA Upgrades***

Per your request, TRI-R Systems Incorporated is pleased to provide a proposal for the SCADA work for the Lift Stations.

Existing SCADA PLC System

The lift station PLC's that are installed consists of Allen Bradley SLC 5/03 processors which were installed approximately 23 years ago. The SLC 531 series product lifecycle is listed as discontinued. Parts for this series PLC are still available but, the once the existing stock runs out, they will not be producing new parts. The follow proposal will replace the discontinued PLC's with the latest series.

Master Station Poling PLC

- Furnish and install Allen-Bradley Compactlogix PLC with I/O in the existing enclosure.
- Provide SLC500 to Compactlogix program translation.
- Provide Wonderware Intouch database migration from SLC500 to Compactlogix at both WTP and WWTP installations.
- Provide startup and training.

Material (\$9,000.00)

Labor and Programming (\$23,400.00)

This quote is valid for 30 days, after which values may be subject to change.

Total Price: (\$32,400.00) Dollars

If you have any questions, please call.

Sincerely,

TRI-R Systems Incorporated

Timothy C. Smith

A handwritten signature in black ink that reads "Timothy C. Smith".

If acceptable Please sign and date

Sign: X _____ Date: _____