



CITY of NOVI CITY COUNCIL

Agenda Item T
February 27, 2017

SUBJECT: Approval to authorize ICS Integration Services LLC to purchase and install replacement modems at the City's twenty-two monitoring locations within the City's sanitary sewer system, in the amount of \$28,094.

SUBMITTING DEPARTMENT: Department of Public Services, Water and Sewer Division *RLC*

CITY MANAGER APPROVAL: *[Signature]*

EXPENDITURE REQUIRED	\$ 28,094
AMOUNT BUDGETED	\$ 257,122
APPROPRIATION REQUIRED	N/A
LINE ITEM NUMBER	592-592.00-976.004

BACKGROUND INFORMATION:

The City has a Supervisory Control and Data Acquisition (SCADA) system for communication (alarms, data transmission) at locations throughout Novi's water and sewer system. The City maintains cellular modems at numerous locations to allow the necessary communication. Many of the existing modems are AT&T modems with 2G service. AT&T notified the City that they would no longer be supporting the 2G modems, requiring replacement of all existing 2G modems in the City's system. The City looked into various replacement options, and decided to purchase Verizon LTE cellular modems based on their capabilities.

ICS Integration Services LLC (ICS) has been providing services to the City over the past couple years related to the implementation of the controls necessary to operate the recently constructed water storage facility and other facilities within the City's water and sewer system. Since ICS currently has a service contract for ongoing support of the SCADA system, staff determined ICS would be the appropriate consultant to manage the integration of the new modems given their current involvement and their expertise with this type of task. Coordination with Verizon and the programming of the modems was identified as a lengthy process, and ICS has experience with this process and can complete it within the required timeframe.

Per the attached proposal from ICS, each modem costs \$917 (includes modem, antenna, and required hardware), plus \$360 for the installation and programming, for a total of \$1,277 at each location. A total of 22 modems are required (18 existing and 4 new locations) for a total cost of \$28,094.

RECOMMENDED ACTION: Approval to authorize ICS Integration Services LLC to purchase and install replacement modems at the City's twenty-two monitoring locations within the City's sanitary sewer system, in the amount of \$28,094.



ICS Integration Services LLC

35245 Schoolcraft Road

Livonia, MI 48150

Tel: (734) 306-6779

Fax: (734) 785-6025

1/17/2017

Ben Croy
City of Novi

Subject: Verizon Modems for private network implementation of lift stations.

Dear Mr. Ben Croy:

ICS Integration Services LLC is pleased to submit pricing for the above mentioned material.

Scope of Services

ICS Integration Services will provide services as outlined in the Scope of Services section of this proposal.

QTY (22) Sites Digi WR31 LTE Modems

1. (1) Programmable carrier LTE Cellular modem compatible with MIMO antennas.
2. (1) Mimo antenna for Digi modem with 15' integrated cable and connectors.
3. (1) Wiring harness, fusing and or short circuit protection as required.
4. Installation labor & Programming.

Per Site Costs

Materials \$916.62 Each

Labor & Programming \$360.00 Each

TERMS

Our terms of payment are thirty (30) days net from date of invoice.

NOTES



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1. ICS will require Novi IT assistance in provisioning Verizon modems, this is a Verizon requirement and involves the designated Verizon account rep (SPOC) for the City's account.

Thank you for the opportunity to quote these services. Should you have any questions regarding this proposal, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink that reads 'Michael Bak'. The signature is enclosed within a hand-drawn oval.

Michael Bak
I & C Manager
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