



500 West Big Beaver
Troy, MI 48084
troymi.gov

CITY COUNCIL AGENDA ITEM

Date: March 19, 2019

To: Mark F. Miller, City Manager

From: MaryBeth Murz, Purchasing Manager
Tom Darling, Finance Director
Kurt Bovensiep, Public Works Director
Paul Troser, Water & Sewer Operations Manager

Subject: Bid Waiver and Budget Amendment – SCADA Software – Water Department

History

- In conjunction with the IT Department; through much research and study it was determined that the Trihederal SCADA (Supervisory Control and Data Acquisition) software, hosted by a dedicated SCADA Service is the best option and is in the best interest of the City for the upgrade of the previous SCADA system.
- September 24, 2018 Troy City Council waived the formal bid process and awarded a contract to *Kennedy Industries, Inc. of Wixom, MI* to replace the City's existing SCADA software, hardware and total install for a total amount of \$66,240.00 and to also provide a hosted service on an ongoing basis for an estimated total annual amount of \$18,720.00 which also includes Verizon cell data service. This also included a budget amendment (Council Resolution 2018-09-137-J-7).
- The new SCADA system is now in full operation, monitoring the City of Troy's Water & Sewer system.
- During the installation of the new SCADA system it was identified that one (1) flow level monitoring site on the Evergreen/Farmington sanitary sewer was *not* included in the initial scope of work, and is now being recommended to be added so that all sites are the same.
- Additionally, now that the *new* system is functioning and is being utilized, the Water & Sewer Division has concluded that remote control access to the sewer pump control would be very beneficial to daily operations. This remote control functionality of the seven (7) pumps was *not* included in the original scope of work.
- Also, note that the prior SCADA system did not have any remote control capability.

Purchasing

- Installation of the additional monitoring site on the Evergreen /Farmington Sanitary sewer system has a net cost of \$2,060.00 as detailed in the attached quote.
- Installation of the needed hardware required for remote pump control at seven (7) sanitary sewer stations has a net cost of \$5,285.00 as detailed in the attached quote.



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Financial

- Funds were budgeted for the complete SCADA upgrade in the 2019 Fiscal Year Sewer System Capital Improvement Funds 590.527.535.7973.074015 in the amount of \$66,240.00.
- The purchase of the monitoring site and the remote functionality at all seven (7) stations will require a budget amendment.

Recommendation

City management recommends it is in the City's best that the bid process be waived and a contract be awarded to *Kennedy Industries, Inc. of Wixom, MI* for the installation of the additional monitoring site on the Evergreen /Farmington Sanitary sewer system for a total amount of \$2,060.00 and also for the installation of the needed hardware required for remote pump control at seven (7) sanitary sewer stations for a total amount of \$5,285.00 as detailed in the attached quote #0021678; for an estimated total amount of \$7,345.00. City management also requests the approval of a budget amendment for this additional equipment.



KENNEDY
INDUSTRIES

INNOVATE
SOLVE
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REPAIR

QUOTATION		
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B TRO250
I CITY OF TROY, DEPT. OF PUBLIC
L DEPT. OF PUBLIC WORKS
T 4693 ROCHESTER ROAD
O TROY, MI 48085

Accepted By: _____
Company: _____
Date: _____
PO#: _____

ATTENTION:
PAUL TROSPER 248-524-3402 p.trosp@troymi.gov

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

CUSTOMER REF/PO#	JOB TITLE	SLP	SHIPPING TYPE
QUOTE	KISM ADDITIONAL SITES, LIFT STATION REMOTE CONTROL	KES/NCC	FREIGHT ALLOWED

QTY	DESCRIPTION
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KENNEDY INDUSTRIES TO PROVIDE THE CITY OF TROY WITH KISM HOSTED SCADA FOR THE FOLLOWING:

1 LEVEL MONITORING STATION

HARDWARE TO INCLUDE:

- (1) CELLULAR MODEM WITH VERIZON SERVICE
- (1) DIRECTIONAL ANTENNA WITH 25' COAX CABLE AND 5' JUMPER.

CONTROLS ENGINEER PROGRAMMING AND ONSITE SUPPORT:

- (1) SCREEN DEVELOPMENT IN KISM TO MATCH EXISTING SCADA SCREENS
- (1) CELL MODEM PROGRAMMING AND STARTUP
- (1) PLC PROGRAMMING TO CONNECT TO KISM
- (1) VERIFY OPERATION ON KISM
- (1) CUSTOMER TRAINING

NET PRICE: -- \$2,060.00 PER STATION

SCADA MONITORING ON KISM MAIN/BACKUP DATACENTERS FOR (1) LEVEL MONITORING STATION:

- (1) VERIZON CELL DATA SERVICE, FIRST YEAR PAID BY KENNEDY INDUSTRIES
- (1) KISM HOSTED SCADA SERVICE

NET PRICE: -- \$65.00 PER MONTH / \$780.00 PER YEAR, PER SITE

KISM YEARLY SERVICE FOR ADDITIONAL "HOSTED" INSTALLATION: \$780.00 PER YEAR

7 LIFT STATIONS - EACH TO INCLUDE THE FOLLOWING:

- (1) ADD REMOTE CONTROL FUNCTIONALITY TO EXISTING KISM STATION
- (1) ONSITE STARTUP TO VERIFY KISM SYSTEM

NET PRICE: -- \$755.00 PER STATION / \$5,285.00 FOR ALL SEVEN



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PLEASE NOTE:
ADDING REMOTE CONTROL FUNCTIONALITY WILL NOT INCREASE THE YEARLY KISM SERVICE AMOUNT FOR EACH LIFT STATION.

WE DO NOT INCLUDE TAXES OF ANY KIND.

KISM CELLULAR USAGE IS BASED ON 1GB ALLOWANCE PER MONTH. IF ALLOWANCE IS EXCEEDED, CUSTOMER WILL BE RESPONSIBLE FOR ANY OVERAGE CHARGES.

ANY OPERATIONAL DEFICIENCIES THAT DO NOT MEET THE SPECIFICATION AND ARE DISCOVERED WITHIN ONE YEAR WILL BE CORRECTED AT NO COST.

ANY EQUIPMENT OR EXISTING EQUIPMENT SUPPLIED BY THE CUSTOMER MUST HAVE THE ABILITY TO WORK WITH THE KISM SYSTEM. IF ANY ADDITIONAL TIME & MATERIAL IS REQUIRED THE CUSTOMER WILL BE BILLED ACCORDINGLY.

WE APPRECIATE THIS OPPORTUNITY TO QUOTE AND LOOK FORWARD TO BEING OF FUTURE SERVICE.

SINCERELY,

KEITH SIKAITIS / NICK CORAM

This quote is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions and Customer Warranty available at www.kennedyind.com which will be provided by email upon written request. Kennedy reserves the right to change the Terms & Conditions and Customer Warranty for future orders. By accepting this quote and/or issuing a purchase order relative to this quote, buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.

CREDIT CARD PAYMENTS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE
NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL

TOTAL: \$8,125.00

P.O. Box 930079 Wixom, MI 48393 - 4925 Holtz Drive Wixom, MI 48393 - Phone: 248-684-1200 - Fax: 248-684-6011

www.KennedyInd.com