



CITY COUNCIL AGENDA ITEM

Date: December 9, 2014

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Manager
 Timothy L. Richnak, Public Works Director
 Kurt Bovensiep, Public Works Manager
 Steven Vandette, City Engineer

Subject: Standard Purchasing Resolution 4: Cooperative Contract Award – Survey Equipment

History

- City Council authorized staff to apply for a Stormwater Asset Management and Wastewater (SAW) Grant on November 25, 2013; of which the City of Troy was a successful recipient. (Resolution # 2013-11-193-J-7)
- On November 24, 2014, City Council authorized City staff to use the current consulting contract with Hubbell, Roth, and Clark, Inc. (HRC) to administer the grant tasks. (Resolution # 2014-11-154-J-11)
- These tasks include a comprehensive field inventory and inspection of the city's drains infrastructure.
- This data will be integrated into the City's Geographic Information System (GIS) and create a Stormwater Asset Management Plan.
- The SAW Grant provides the City with an opportunity to use eligible funds to purchase new survey equipment to complete the comprehensive field inventory.
- The survey equipment will be stored at the City of Troy's Engineering Department and HRC will use the equipment only while working on City of Troy tasks.
- The City of Troy's Engineering Department will retain the equipment afterwards and ongoing to be used as part of the City's normal operations, which include continuing to survey storm and sanitary infrastructure.
- The new equipment will allow the City to collect more accurate data, which provides the City of Troy Engineering Department the opportunity to trade in 12 year old survey equipment.

Purchasing

- Leica Geosystems, Inc. of Fenton, MI is the awarded low bidder from the State of Michigan – MiDEAL Program – Contract #071B2200303.
- Leica Geosystems, Inc. provides a 20% discount off the list price of all survey products through MiDeal.

Financial

Funds for the purchase of the equipment are budgeted and available in the following capital account:

Account #	Account Name	Current Available Funds
401.447.516.7989.143026	Public Works SAW Grant- Storm Sewer	\$403,408.01

Recommendation

City management requests authorization to purchase survey equipment as detailed in the attached quote from *Leica Geosystems, Inc., of Fenton, MI* through the State of Michigan MiDEAL Program Contract #071B2200303 for an estimated total cost of \$89,084.00.

Equipment Proposal

City of Troy
 500 West Big Beaver Road
 Troy, Michigan 48084
 Telephone: (248) 524-3315
 Facsimile: (248) 524-1838
 Contact: George Ballard, P.S.

Leica Geosystems, Inc.
 10880 Ridge View Trail
 Fenton, Michigan 48430
 Facsimile: (810) 714-3180
 Cell: (313) 670-3395
Rick.Sauve@Leicaus.com

3-Dec-14

TS15I 3" R400 Reflectorless Robotic Total Station Package & Qty 2 GNSS Receivers

PN	Equipment Description	Qty	Price	Extended
780875	TS15I , 3" R400 Total Station with Powersearch Automatic Target Recognition Total Station, 1 Keyboard, Laser Plummet, Standard Applications, User Manual & Carrying Case, Color Touch Screen including 781346 - Imaging License	1	32,780.00	32,780.00
779481	GTS34, 2nd Keyboard for TS15	0	750.00	-
781305	TS SmartWorx Viva Liscense Key	1	700.00	700.00
777509	GDF322 Pro Tribrach with optical plummet, pale green	1	495.00	495.00
733270	GEB221, Li-ion battery, 4Ah, rechargeable -	3	180.00	540.00
439038	GEV71, 2m, Car Battery Cable connects to any 12v Battery	1	235.00	235.00
409678	GEV52, Cable, Connects TPS to GEV71 Cable	1	150.00	150.00
394752	GST120-9 Geodetic Tripod	1	350.00	350.00
6004907	One Year Firmware Upgrades TS15P 5" R400 & CS15 Robotic Equipment	2	975.00	1,950.00
788853	RH16 Radio Handle with integrated Radio	1	1,650.00	1,650.00
639985	GRZ4 360 deg. Prism	1	990.00	990.00
754389	GLS12F, 2m, Telescopic Pole (feet graduation) locking	1	300.00	300.00
767879	GHT62 Pole Holder base plate for CS15	2	60.00	120.00
767880	GHT63 Clamp arrangement for attaching GHT62 to pole	2	100.00	200.00
791696	GVP660 Small Sized Rhard Container for TPS Robotic System CS15 Field Controller, SmartWorx Viva Software and Accessories	1	250.00	250.00
810856	CS 15 Field Controller, Win CE , Full VGA, Touch Display	2	4,450.00	8,900.00
788855	CTR16 Radio Cap for Robitic Controller	1	950.00	950.00
781486	Imaging Licensing Code for Robotic Controller (TS15 I)	1	50.00	
767856	MSD1000 Industrial Grade SD Memory Cards 1 GB	2	200.00	400.00
767874	CBC01 Lemo Connector module with Power Jack & USB Host	2	150.00	300.00
772806	GEB212 Lithium Ion Battery 7.4v / 2.6 Ah	4	130.00	520.00
767909	SmartWorxs Viva Liscence Key Additional CS15 Applications	2	700.00	1,400.00
767927	CS Traverse	2	200.00	400.00
767915	CS Reference Line	2	200.00	400.00
767921	CS Road Runner - Road Staking Application	0	950.00	-
777645	CS Road Runner - Importer Smart Charger (to maintain Lithium battery health)	0	included	
799187	GKL341 4 Bay Multi Charger GS14 GNSS MSRN Receiver	2	750.00	1,500.00
6008450	GS14 3.75G & UHF Professional Antenna includes: GPS L1 & L2	2	10,840.00	21,680.00

	GLONASS			
	DGPS			
	RTK Unlimited			
	Network RTK			
	5hz			
	20hz positioning			
	Raw Data Logging			
	RINEX logging			
	NMEA out			
	RTK Reference Station Functionality			
772806	GEB212 Lithium Ion Battery 7.4v / 2.6 Ah	6	130.00	780.00
772807	GEV237, 1.65 Connects CS14 to CS15	2	290.00	580.00
667217	GAD31 Screw to Stub Adaptor	1	140.00	140.00
795992	GVP708, Hard Container for GS14 GNSS Receiver	2	200.00	400.00
768226	GLS13 GNSS Plumbing Poles	2	220.00	440.00
	Firmware Upgrades for Additional GS14 CS15 & GS14			
6003680	1 year Firmware Upgrade CS15 and GS14	2	725.00	1,450.00
6003686	1 Year Firmware Upgrade for GS14 (with robotic system)	2	125.00	250.00
	Onsite Training			
TRAIN	Two days onsite training	1	1,000.00	included
	Leica Office Processing Software			
778071	Leica Geo Office includes one year upgrades	2	400.00	800.00
6004348	Leica Geo Office - Software Maintenance for 2nd Year	2	150.00	300.00
	Leica CS25 GNSS plus Bundle			
6008394	CS25 GNSS plus Tablet with Zeno Field	3	8,715.00	26,145.00
	Each bundle includes the following items:			
	Leica CS25 GNSS plus Tablet			
	3DG5A-XTM-4 Helix Antenna			
	GAD115 Arm Mount			
	GVP703 Softbag			
	Leica Zeno Field Software			
799815	GSW1140, Option to upgrade CS25 GNSS plus to L1/L2, RTK Processing GPS/GLONASS, 1HZ	3	3,950.00	11,850.00
807376	GVP713, carrier bag for the CS25 GNSS plus	3	45.00	135.00
785413	ALG7-08B Lithium Polymer Extended Battery	3	350.00	1,050.00
785416	ALG7-10A Battery Charger for Li-Polymer battery	3	330.00	990.00
	ALG7-08B, AC adapter ALG7-13A not incl.			
785417	ALG7-13A AC/DC Adapter EU, US, AUS, UK for Power Supply	3	140.00	420.00
731772	AC Power Cable US 3-prong (for ALG7-13A Adapter)	3	10.00	30.00
771888	GSW784. Leica Zeno Office on ArcGIS Basic	3	600.00	1,800.00
6004015	1 Yr Zeno Office Basic CCP	3	450.00	1,350.00
6005434	1 Yr Zeno Field Basic CCP	3	350.00	1,050.00
	Purchase Price of TS15P R400 3" Robotic Total Station Package			127,120.00
	Less 20% MiDeal State Contract Discount			(25,424.00)
	Less Trade in of Legacy Surveying Equipment			(12,712.00)
	Purchase Price with Discount			88,984.00
	Shipping			100.00
	Purchase Price including discount & 6% Michigan Sales Tax			89,084.00

Signature & PO Number if Required : The above is the equipment I would like shipped:
Sign , Date & Fax to Rick Sauve @ (810) 714-3180

Note: Price includes two days of onsite training

Note: Net 30 / Proposal good for 60 days

Note: City of Troy will need to acquire a USER ID and PASSWORD from the Michigan Dept. of Trans. to access the Michigan Spatial Reference Network. MDOT RTK USER Agreement can be obtained: http://www.mdotcors.org/data_out/log_files/MDOT_RTK_ACCESS.pdf
Access to the MSRN is free of charge.

Note: City of Troy will also require an AT&T SIM card with a "5 Gigabyte Data Connect Plan" in order to access the wireless web from the CS15 controller to access the MDOT NTRIP CASTOR.
The private sector cost for this AT&T plan is +/- \$50.95 per month.