



500 West Big Beaver  
Troy, MI 48084  
troymi.gov



## CITY COUNCIL AGENDA ITEM

Date: March 17, 2021

To: Mark F. Miller, City Manager

From: Robert Bruner, Assistant City Manager  
Robert C. Maleszyk, Chief Financial Officer  
Lisa Burnham, Controller  
William J. Huotari, City Engineer  
Emily Frontera, Purchasing Manager

Subject: Standard Purchasing Resolution #4: State of Michigan MiDeal Cooperative Purchasing Agreement – 4G Survey Equipment Upgrade

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### **History**

The State of Michigan operates the Michigan Spatial Reference Network (MSRN) to support surveying and mapping operations throughout Michigan. The MSRN was originally developed to support MDOT's work but was expanded to include other agencies in Michigan. The system was originally developed in 2001 and Troy has used the MSRN for many years to allow for survey and mapping work.

The MSRN is moving to the 4G protocol. The survey equipment that the city uses currently is only 3G capable. The attached quote includes the cost to replace our existing legacy CS15 3G data collectors with CS20 4G LTE data collectors and upgrade our GS14 legacy 120 channel GPS receivers, along with firmware upgrades for our robotic total station and digital level, software support, smart chargers, batteries and ancillary items.

### **Purchasing**

- The State of Michigan MiDeal Extended Purchasing Program awarded a contract agreement to *Leica Geosystems Inc. of Holly, MI* for Survey Grade Equipment under MiDeal Contract # 180000000005.
- City Council authorized participation in the Cooperative Purchasing Programs on November 9, 2020 (Resolution #2020-11-165-J-8).
- Pricing has been secured for equipment, firmware upgrades, support, training and installation as well as trade-in values for our legacy CS15's.
- It is in the best interest of the City to waive the bid process and utilize the MiDeal Purchasing Contract #180000000005 for this project as detailed in the attached Equipment Proposal dated March 11, 2021.

### **Financial**

Funds are budgeted and available in the Engineering Operating budget for the 2021 fiscal year. Expenditures will be charged to account 101.442.442.7802.180.



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### **Recommendation**

City management recommends awarding a contract to *Leica Geosystems, Inc. of Holly, MI* to purchase the 4G Survey Equipment, including upgrades, support, onsite training and installation for a cost of \$18,025.60 less the trade-in value of \$1,126.60 for an estimated total cost of \$16,899.00 as detailed in the attached quote and as per the State of Michigan MiDeal Contract #180000000005.

WJH/ G:\Funding Issues\Budget Files\2020-21\Operating\4G\_Survey Equipment.docx

# 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.  
 7469 Buckell Lake Road  
 Holly, Michigan 48442  
 Cell: (313) 670-3395  
[Rick.Sauve@Leicaus.com](mailto:Rick.Sauve@Leicaus.com)

11-Mar-21

PN	Description	Qty	Price	Extended
<b>CS20 - LTE Field Controller with CAPTIVATE</b>				
	<b>CS20 GNSS Controller</b>	2	8,180.00	16,360.00
876479	CS20 LTE Field Controller US/CA. Ruggedized WinEC7 Full 5" WVGA Touch Display 2 GB eMMC Flash Memory 1 GB SDRAM SD Card Slot 5MP Camera with LED Flash Internal Blue Tooth Internal TPS Bluetooth QWERTY Keyad Attached Stylus		4,650.00	
914859	CS20 Software Set		2,550.00	
827698	Captivate Onboard Software		Included	
827699	CS20 - Measure and Stake to a Line		Included	
827700	CS20 - Measure to Plane / Grid		Included	
827701	CS20 - Area Division		Included	
827702	CS20 - Stake DTM		Included	
827703	CS20- Volume Calculations		Included	
827708	CS20 - Hidden Point		Included	
827709	CS20- Traverse		Included	
827711	CS20- Sets of Angles		Included	
827712	CS20 - Quick Volume		Included	
834301	CS20- Set Orientation		Included	
834305	CS20- Auto Setup		Included	
850623	CS20 - ESRI Shapefile Exporter		Included	
827715	Leica Exchange CS20		Included	
827704	CS20 - Measure and Stake to Road	1	980.00	
6009619	CS20 Firmware Upgrade and Support 1 Year	2	539.00	1,078.00
<b>CS20 Accessories</b>				
799190	GEB331 Batteries for CS20 Smart Charger (to maintain Lithium battery health)	6	205.00	1,230.00
799187	GKL341 Multi Bay (4) Smart Charger Holders	2	770.00	1,540.00
807157	GHT66, Holder attaching a CS20 with a GHT63 clamp to a pole.	2	119.00	238.00
767880	GHT63, Clamp arrangement for attaching the GHT62 holder to al	2	170.00	340.00
<b>One Year Firmware Upgrades</b>				
6004901	1 yr Viva TS15 Firmware Upgrade Serial Number: 167 0374 Serial Number: 167 5643	2	613.50	1,227.00
6003686	1 yr GNSS (GS14) Firmware Upgrade + Support Serial Number: Serial Number:	2	149.00	298.00
6009914	1 yr LS10/15 Basic CCP, Serial Number: 701 059	1	221.00	221.00
<b>Proposal Summary</b>				
	List Price of Equipment			22,532.00
	Less 20% State of Michigan Discount "MiDeal" Contract # 180000000005			(4,506.40)
	Less Trade in (Qty 2 of Each) Legacy GS14's and CS15's			(1,126.60)
	Price with Discount and Trade In			16,899.00
	6% Michigan Sales Tax			Tax Exempt
	Shipping			Included
	<b>Purchase Price of System</b>			<b>16,899.00</b>

Offer subject to Leica Geosystems terms and conditions, available at:  
[https://portal.leicaus.com/US\\_GT-Cs\\_of\\_Sales.txt](https://portal.leicaus.com/US_GT-Cs_of_Sales.txt)  
 Full Software License Agreement: [www.leica-geosystems.com/TCSL](http://www.leica-geosystems.com/TCSL)  
 Full Standard Warranty: [www.leica-geosystems.com/TCLW](http://www.leica-geosystems.com/TCLW)

Note: Leica Geosystems -State of Michigan "MiDeal" Contract Number : **MiDeal Contract # 180000000005**  
 Note: Net 30  
 Note: Price includes day onsite training & installation