



## CITY COUNCIL AGENDA ITEM

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Date: November 16, 2015

To: Brian Kischnick, City Manager

From: MaryBeth Murz, Purchasing Manager  
 Tim Richnak, Director DPW  
 Paul Trosper, Superintendent Water & Sewer Division  
 Tom Darling, Director of Financial Services

Subject: Standard Purchasing Resolution 4: Back-up Camera/Crawler for the existing Sewer & Pipeline Inspection System

### History

- November 11, 2013 City Council approved the purchase of the EnviroSight Rover X Sewer & Pipeline Inspection System for the Public Works Water & Drains Division from Bell Equipment Company; EnviroSight's authorized Michigan Dealer in the amount of \$111,763.69; (Resolution #2013-11-181-J-4d); which replaced the Pearpoint Sewer Camera System.
- The Pearpoint System was in use for approximately 18 years. During that time period the camera system became "maintenance" prone after about five (5) years. When the camera system required maintenance, it would often be down sometimes as long as one (1) month at a time, rendering the system inoperable during those times. Eventually, based on maintenance issues and down-time of the Pearpoint System it was decided to purchase a back-up camera/crawler unit.
- The sewer camera is used to inspect the inside of sewer mains for cracks, blockages, pipe shifting, grease deposits and sewer back-up prevention for both commercial and residential properties. The pipeline inspection equipment is also utilized in the inspection and troubleshooting of storm water pipes. Data is then downloaded onto the City's GIS system for review. The Sewer and pipeline inspection system operates on a daily basis.
- The current EnviroSight system has proven itself to be a rugged and reliable system. Due to the harsh environment the camera/crawler unit is subjected to during the course of the operation; frequent maintenance is required. Camera maintenance sometimes involves manufacturer service. When the existing *camera/crawler* is down for service, the entire pipeline inspection system is down. Having a secondary back-up camera/crawler unit, will prolong the lifespan of the existing system, reduce downtime and increase efficiency making the City better prepared for daily operations *and* emergency situations.
- Optimal efficiency is especially necessary because the City's televising sewer line footage has doubled since 2013.
- It is recommended to purchase one (1) camera/crawler back-up unit for the *existing* EnviroSight Rover X Sewer & Pipeline Inspection System.

### Purchasing

Bell Equipment Company is the authorized Michigan dealer for EnviroSight Camera Sewer System Equipment and is the awarded low bidder from the NJPA Purchasing Cooperative as per Contract #022014-EVS. The cooperative contract period is through March 18, 2018.

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### **Financial**

Funds are budgeted and available in the amount of \$112,000.00 in the Public Works Water and Sewer Division Capital account. The Project# is 20160099.

### **Recommendation**

City management recommends the authorization to purchase one (1) Envirosight RCX90 back-up camera and one (1) RX130 back-up crawler with cable for the Public Works Department from *Bell Equipment Company, of Lake Orion, MI*; an authorized Envirosight dealer as per the prices detailed and contained in the attached quotes for an estimated total cost of \$45,800.00.



Pictures of Existing Camera/Crawler:



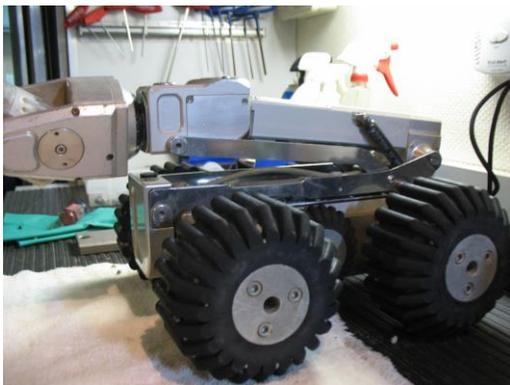
CAMERA



CRAWLER



CAMERA ATTACHED TO CRAWLER



CAMERA/CRAWLER ON TIRE AXLE