



500 West Big Beaver
Troy, MI 48084
troymi.gov

I-05

CITY COUNCIL AGENDA ITEM

Date: August 14, 2019

To: Mark F. Miller, City Manager

From: Robert J. Bruner, Assistant City Manager
MaryBeth Murz, Purchasing Manager
Lisa Burnham, Accounting Manager
Gert Paraskevin, Information Technology Director
Kurt Bovensiepe, Public Works Director

Subject: Bid Waiver – Inventory Software

History

In a typical fiscal year the City's Public Works department consumes nearly a million dollars' worth of inventory, and currently maintains several thousand dollars' worth of parts to support the Water, Sewer, Storm, Streets and Parks infrastructure.

While the City utilizes Cityworks to help manage this information, there is still a need to modernize how the individual transactions of adding and removing inventory is entered into the system. What has been missing is a mobile collection capability in order to adjust and collect inventory details at the source in real-time. As well as the ability to leverage industry standard practices such as barcoding to enable quick real-time entry of transactions and improve the organization and accountability of the City's inventory investment.

Azteca Systems LLC, the makers of Cityworks (the City's asset management and inventory software), has partnered with Radley Corporation an expert in inventory management systems, to develop a mobile interface to work directly with Cityworks software. This system includes mobile ruggedized barcode scanners and a mobile friendly software interface that directly uploads inventory transactions into the City's existing inventory system. This would eliminate the manual process of managing material usage on slips of paper or other less reliable methods.

City Management is recommending the purchase of the Radley Software System and supporting hardware as outlined below. This system will provide mobile scanners and software used to interface with the City's existing inventory software. This will allow for real time tracking of inventory at the various storage locations around the Public Works property.

An immediate benefit to the City would be an up to the minute accurate count of inventory. It would also enable further expansion of industry best practices such as Reorder Points (ROP), Economic Order Quantity (EOQ), and an ABC classification,



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allowing for greater inventory and material management. The *Radley System* also builds upon the investment the City has already made into the existing *Cityworks* asset management system.

Purchasing

- *Radley Corporation* is a development partner with *Azteca Systems, LLC* for improving inventory control within a *Cityworks* environment.
- The City of Troy contacted existing Clients City of Independence, Mo., City of St George, Utah and St. Johns County (Florida) Utility Department who all provided positive references.
- It is in the best interest of the City to waive the bid process for *Radley Corporation of Southfield, MI* to configure and implement a barcode system integrating into the City's existing *Cityworks* inventory system.

Financial

- The cost of this system, hardware and implementation fees would be \$40,091.64 with a yearly maintenance fee for software of \$2,200 reoccurring thereafter and after 3 years an optional 3 year hardware maintenance warranty of \$2,328.40.
- Funds are budgeted in the Water Capital fund - Project# 2020C0069 and in the Sewer Capital fund - Project# 2020C0066.

Recommendation

City management recommends that the bid process be waived and authorize the purchase of the *Radley System* for *Cityworks* from *Radley Corporation of Southfield, MI* along with barcode scanning devices and associated software for an approximate cost of \$40,091.64 with a yearly maintenance for software of approximately \$2,200 reoccurring thereafter, and after 3 years an optional 3 year hardware maintenance warranty of \$2,328.40.



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APPENDIX A

QTY	DESCRIPTION	TOTAL PRICE
	SOFTWARE	
4	Cityworks Data Collection Licenses	\$11,000.00
	SOFTWARE MAINTENACE	
4	Cityworks Data Collection License Maintenance	\$2,200.00
	HARDWARE	
4	ET50, 8.3inch, Ruggedized Android Tablets	\$4,797.00
4	ZEBRA Charging Cradles	\$657.72
4	DC Line Cord for running the single slot cradles or battery chargers from a single Level VI power supplyPWR-BGA12V50W0WW, Level VI replacement for PWRS-14000-148R	\$39.92
4	Level VI AC/DC Power Supply Brick. AC &DC line cord and Country specific AC grounded Line.	280.88
4	8" Rugged Tablet Cases	\$589.68
	HARDWARE MAINTENACE	
4	3 Year Zebra OneCare Essential Extended Hardware Warranty	\$2,328.40
	IMPLEMENTATION SERVICES	
9 Days	Implementation Services, including initial DC Environment Configuration, Software Loading (server & devices), Mobile Client Configuration / Reconfiguration, Label Printing, Testing, Project Management, Piloting Support, Move to Production	\$16,200.00
	TOTAL	\$40,091.64