



Legislation Text

File #: 17-387, **Version:** 1

CITY COUNCIL AGENDA ITEM

ACTION REQUESTED:

Approve the Award of Cooperative Procurement 17-123, Fire Station Alerting System (FSAS), to Purvis Systems Incorporated for an amount not to exceed \$1,067,382.80, plus a 3% contingency.

DEPARTMENT: Fire Department

SUBMITTED BY: Mark Puknaitis, Fire Chief

BOARD/COMMISSION REVIEW:

N/A

BACKGROUND:

When a 9-1-1 call is received by Naperville Public Safety Answering Point (PSAP), the information is entered into the Computer Aided Dispatch (CAD) system. The CAD system uses a Fire Station Alerting System (FSAS) as the medium for the dispatcher to dispatch the call to the correct fire stations and vehicles.

The current Zetron FSAS has been in operation since 1990. During the Fire Department's re-accreditation process in 2012, several shortcomings were identified in the Zetron FSAS software and hardware. These include outdated technology, increased system downtime, and inconsistent alerting of Fire personnel, stations, and vehicles. Based upon these concerns, staff determined that the City should upgrade the FSAS.

DISCUSSION:

Because it has been 25 years since the City purchased the previous FSAS, staff conducted a Request for Information (RFI) in 2015 to better understand the products available within the FSAS system marketplace. Five suppliers responded to the RFI: Locution Systems Inc., Mercury Systems Corporation, Purvis Systems Inc., US Digital Designs Inc., and Westnet. All five suppliers were invited to interviews to demonstrate their FSAS products. The Mayor and City Council approved funding for this project as part of the CY16 budget.

Because of the duration of time to install the system in PSAP and each of the ten fire stations and test the system it is anticipated Phase I will be completed the last quarter of CY2017. Phase II, the final phase for all final testing and switchover from the Zetron FSAS to the Purvis System will be completed during the first quarter of CY2018.

It was the City's intention to conduct an RFP following the completion of the RFI. However, it came to the City's attention that the PURVIS system was competitively bid on a joint procurement through a national cooperative. Through the RFI process, it was determined that the PURVIS system

addressed all of the concerns of the fire department, including:

- Text to voice communication for consistent dispatching of emergency calls;
- Rip and run printouts of critical emergency information;
- Message boards with mapping capabilities;
- Lighted alerts for loud or remote areas of the fire station;
- Better sound coverage in each facility;
- Unit presence detectors and turnout timers for accurate reporting and turnout times;
- Multiple tones indicating fire, EMS, or non-emergency responses;
- Doorbell cameras and communication that can be answered in PSAP when fire station personnel are out of quarters;
- Mobile application for times when personnel are out of the station or away from their vehicle; and
- Interior LED station lighting for responder safety.

Purvis System is a member of the National Purchasing Partners Government Division (NPPGov) Cooperative; the Purvis FSAS is available on Contract #1425.

The purchase price of the Purvis System is \$982,366.80 which includes the first year of software and hardware maintenance. The second year of maintenance will be \$41,958 and the third-year maintenance cost will be \$43,058. The total cost of the Purvis System is \$1,067,382.80 which includes the purchase of all required software and hardware, installation at all ten fire stations, project management, system configuration, training, and three years' warranty and maintenance.

FISCAL IMPACT:

CIP#: LR078 - Fire Station Alerting System

Fire Station Alerting System (FSAS) is expensed to the equipment and machinery capital account below. This work is related to the CIP LR078, Fire Station Alerting System (FSAS), for which \$360,900 has been budgeted in CY2017. Additionally, \$350,000 of unspent funds remain from CY2016. The total \$710,900 will be used for Phase I of the project. Phase II will occur in CY2018 and \$350,000 will be requested as part of the CY2018 budget process.

Account Number	Fund Description	Total Budget Amount
332-2220-422.70-88	G.O. Bond Fund	\$360,900