Legislation Text

File #: BILL NO. 23-128, **Version:** 1

An Ordinance approving an agreement between the City of Lee's Summit, Missouri and Collision Forensic Solutions for the purchase of the Leica Geosystems RTC360 HDS 3D Laser Scanner package with accessories and authorizing the City Manager to execute the same of on behalf the City. (F&BC 6/5/23)

Issue/Request:

An Ordinance approving an agreement between the City of Lee's Summit, Missouri and Collision Forensic Solutions for the purchase of the Leica Geosystems RTC360 HDS 3D Laser Scanner package with accessories and authorizing the City Manager to execute the same of on behalf the City.

Key Issues:

The Leica RTC360 3D Laser Scanner has been identified as a solution to improve the Traffic Units response to fatalities and the Criminal Investigations Unit response to major crime scenes. The purchase and implementation of this equipment will improve efficiency and productivity in the field for traffic officers and detectives.

Research was conducted and this vendor, Collision Forensic Solutions, and the Leica Geosystems RTC360 3D Laser Scanner was the most suitable option due to the following:

- Collision Forensic Solutions is the only vendor to offer 24-hour, lifetime operational support for the equipment and software, and is the only IAI certified & ACTAR accredited Leica law enforcement distributor authorized in the state of Missouri
- Other vendors did not offer the same level of training
- This vendor offers a 4-yr warranty with the bundle option
- Other vendors had similar equipment that utilized different software, had equipment with shorter life cycles, and less data points producing a product of lesser quality.
- Operating conditions from 23°F to 104°F, which is beneficial for scenes during inclement weather
- The Leica Geosystems RTC360 HDS 3D Laser Scanner has automatic point cloud alignment based on real time tracking of the scanner which allows for superior product quality while also reducing the skill needed by the officer to operate
- Training would be more suitable and having equipment that utilizes the same mapping software reduces training, the need for new software and maintenance contracts, etc.
- The software will be a familiar to officers since it is the current software utilized for the total station and the RTC360 3D Laser Scanner will be an upgrade of equipment from the total station that allows detectives and traffic officers to apply advanced techniques to evidence collection, preservation, and presentation

This ordinance authorizes the City Manager to enter into an agreement with Collision Forensic Solution to provide new equipment, upgraded software, lifetime support, 4yr warranty coverage, and training.

Proposed City Council Motion:
FIRST MOTION:

SECOND MOTION:

Impact/Analysis:

With the increase in complex investigations related to violent crimes and serious crashes proper and more advanced documentation of these scenes is imperative. The public demands more transparency in officer involved shootings and other critical incidents and the addition of this particular scanner adds an additional level of accuracy, thoroughness, helps eliminate errors, and allows for a compelling visual presentation.

Specifically, the Leica RTC360 3D Scanner instrument will quickly record millions of data points per second and digitally recreate a three-dimensional scene on a computer program. This software program is also used for our current total station and would allow us to maintain a back-up solution in the event we have a technical problem.

The purchase of the Leica RTC360 3D Laser Scanner is also in-line with the police department's strategic plan for improving responses to criminal investigations through the use of technology. A line item was added to the upcoming FY PSST budget for $115,000 to account for the total cost of the equipment, software, training, and support at $114,844.49.

Major Nicole Walters, Police Department