



Agenda Item

City Council

Item #: 3.29.

9/14/2021

File #: 21-0471

TO: Honorable Mayor and Members of the City Council

THRU: Rick Otto, City Manager

FROM: Dan Adams, Chief of Police

1. SUBJECT

Authorize purchase of Faro Focus S150 crime and accident scene reconstruction laser scanner, training, and warranty from Znet Tech, LLC for the Police Department.

2. SUMMARY

Purchase of scanner, training, and warranty from Znet Tech, LLC, using General Services Administration (GSA) Contract No. GS-35F-135HA, for a total not to exceed amount of \$53,290.

3. RECOMMENDED ACTION

1. Approve the purchase of Faro Focus S150 crime and accident scene reconstruction laser scanner, training, and warranty from Znet Tech, LLC in an amount not to exceed \$53,290.
2. Authorize the appropriation of \$53,290 from Traffic Safety (350) unreserved fund balance to expenditure account number 350.4041.55131.00000, Traffic Safety - Equipment Additions.

4. FISCAL IMPACT

The total expenditure for this purchase is \$53,290 and will be funded through Traffic Safety (350).

5. STRATEGIC PLAN GOALS

Goal 1: Provide for a safe community

- a: Provide staffing and resources to deliver services that ensure public safety.

6. DISCUSSION AND BACKGROUND

The laser scanner allows the Police Department to document major traffic accidents and crime scenes by providing raw images that transform into three dimensional crime scenes. The images preserve crime scene evidence, capture accurate views to recreate crime scenes, provide quality evidence for successful prosecutions, and reduce the time required to document a scene. The reconstruction of crime scenes is critical and allows investigators to return to a virtual scene to evaluate evidence.

The department's current laser scanner, Focus 3D-X330, was purchased from FARO Technologies, Inc. in 2014 and has served as a valuable piece of equipment during major crime scenes. The scanner is utilized by the Major Accident Investigation Team (MAIT) to obtain exact measurements at traffic accidents and most recently during the mass shooting investigation.

The current laser scanner takes approximately twelve minutes to complete a scan at the manufacturer's recommended settings. The scan is only black and white, and requires approximately twenty scans, or four hours, for an average crime scene to properly capture all angles. Since the initial purchase of the current laser scanner, there have been numerous advancements in laser scanning technology and three dimensional imaging. An upgrade to the Focus S150 laser scanner would significantly reduce the time to complete a color scan to six minutes per scan, reducing the time spent for an average crime scene to two hours. Additionally, black and white scans have been reduced to two minutes per scan.

The department is proposing to upgrade the current laser scanner to the Focus S150 laser scanner which includes an additional battery, on-site training, and an extended warranty/customer care package that extends the manufacturer's one-year warranty to four years. The warranty will cover non-accidental repairs and annual calibrations for optimal performance. In addition, Znet Tech, LLC (Znet) will provide a trade-in credit for the current 3D-X330 laser scanner valued at \$5,000.

An upgrade to the Focus S150 laser scanner will include the following:

- Advanced sensor technologies for accuracy
- Scan group feature to identify rescanning of distant targets
- Ingress Protection Rating (IP54) and extended temperature range for use in wet weather conditions
- On-site compensation functionality to verify and adjust the focus
- On-site registration data capture that immediately transmits scan data wirelessly for real-time scan processing
- HDR photography with GPS

The manufacturer, FARO Technologies, Inc., no longer sells directly to customers. Znet is a certified government reseller of FARO Technologies, Inc. authorized to resell FARO products. Znet is headquartered in Bethesda, Maryland and is currently an authorized dealer awarded a GSA Contract No. GS-35F-135HA, offering "better-than" GSA pricing.

The total not to exceed amount of \$53,290 includes equipment, training, and warranty costs of \$49,457, and a 7.75% tax amount of \$3,833. An appropriation of \$53,290 from the Traffic Safety unreserved fund balance is necessary to cover the cost of the scanner, training, and warranty.

7. ATTACHMENTS

- Znet Quote 0824-OPDR3
- GSA Contract No. GS-35F-135HA