



**Council Agenda Item
September 20, 2021**

6. CONSENT AGENDA

- (g) Consider authorizing the purchase of a Faro 3D scanner. (*Proposed presenter: Police Captain Dwayne Williams*)
-

Background information attached as follows:

Cover Memo – ***Provided on 09.20.2021***

Quote – ***Provided on 09.20.2021***



CITY COUNCIL AGENDA ITEM COVER MEMO

September 20, 2021

To: Mayor and City Council

Agenda Item: 6(g) Consider authorizing the replacement of the police department's 3-Dimensional Laser Scanner.

Submitted by: Dwayne Williams, Patrol Captain

SYNOPSIS

The police department is seeking authorization for the purchase of a 3-Dimensional Laser Scanner in the amount of \$84,660.82 from FARO Technologies.

STRATEGIC PLAN 2019 GOALS ADDRESSED

- Create a great place to live

BACKGROUND

In the course of its ongoing mission, it is necessary for the Police Department to investigate felonious criminal activity, particularly homicide, suspicious death, vehicle accidents and officer involved critical incidents where crime scene documentation, measurement and analysis are crucial. This is currently being performed manually. Police management personnel recommend City Council approval for the purchase of a laser scanner to be used for crime scene analysis, accident scene documentation and 3-Dimensional (3D) mapping.

The Police Department has conducted extensive research into new technology and respective capabilities and has determined that the best solution for PD requirements is the FARO Focus 3D scanner. This scanner has the ability to capture millions of data points within a 360 degree view and project a 3D image that is comprehensive and accurate. This 3D image provides proper measurements of critical evidence at a crime scene which allows a virtual view of that environment at the touch of a button and permits the site to be returned to normal use a short time later. With 3D documentation replacing crime scene sketches, the crime scene reconstruction can be visited multiple times to verify witness testimony or evaluate hypotheses. Forensic Scientist can accurately analyze line of sight, blood spatter and bullet trajectories to complement other techniques such as offender's height estimation from video surveillance. For vehicle accident scenes, fast, accurate documentation of the scene and vehicles is a critical component of accident reconstruction. Providing forensic experts with a combination of speed, accuracy, comprehensiveness and ease-of-use, 3D laser scanning technology allows crash investigators to quickly record vast amounts of data and bring the virtual scene back to the office. Using point cloud data collected from the laser scanner, investigators are able to develop highly detailed 3D models for analysis.

Additionally, the scan data can also be used to create accident animations to simulate the actual event for use in the courtroom. Significantly reducing time spent on-scene, while improving safety and minimizing traffic congestion, 3D laser scanning technology provides an ideal data collection solution for accident reconstruction experts, law enforcement personnel and forensic scientists.

The recommended Focus 3D Laser Scanner is available through a General Services. The 3D scanner request was submitted to the Information Technology Department for review and was approved. The quote received for the 3D scanner is off of a General Services Administration (GSA) contract. If authorized, the purchase will be funded from the Police Department Seizure Fund.

BUDGET/FISCAL ANALYSIS

Funding Source	Account Number	Project Code/Name	FY2021 Funds Budgeted	FY2020 Funds Available	Amount Requested
Police Seizure	205-58600-13-999	N/A	\$ 84,661.00	\$84,661.00	84,660.82

Purchasing Review: Shannon Pleasant – Procurement & Risk Manager

Financial/Budget Review: *Bertha P. Alexander, Budget & Financial Reporting Manager*

Note: Compliance with the conflict of interest questionnaire requirements, if applicable, and the interested party disclosure requirements (HB 1295) has been confirmed/is pending within 30-days of this Council action and prior to execution.

SUPPORTING MATERIALS

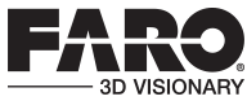
1. Faro quote.

STAFF'S RECOMMENDATION

Staff recommends approval of the purchase of 3D scanner from Faro Technologies.

Director Approval: Mike Berezin, Chief of Police

City Manager Approval: Bill Atkinson, Interim City Manager



FARO Technologies Inc
 250 Technology Park
 Lake Mary FL 32746-7115
 Phone No: (407)333-9911X1029
 Fax No:
 Email: Luke.Hall@faro.com

Remit to:
 FARO Technologies, Inc.
 P.O. Box 116908
 Atlanta, GA 30368-6908

Quotation No: 20398504
 Quote Date: 04/16/2021
 Expiration Date: 07/31/2021
 Regional Manager: Jeff Sexton
 Account Manager: Richard Britt
 Sales Support: Lucas Hall
 Ship: Standard/Ground
 Payment Terms: Net due in 30 days
 with approved credit
 Delivery Terms: EXW Origin
 Delivery Date: 4-6 Weeks

Bill To :
 City of Missouri City
 1522 Texas Pkwy
 Missouri City TX 77489-2170
 US

Ship To :
 Missouri City Police Department
 3849 Cartwright Rd
 Missouri City TX 77459-2443
 US

Pricing and Terms & Conditions of this quote are solely per GSA MAS Contract GS-07F-197GA and apply to all items on the quote, whether GSA or Open Market. By accepting this quote, you acknowledge that you are eligible for and may purchase via the GSA Schedule/Contract above. For questions regarding GSA eligibility please refer to <https://www.gsa.gov/buying-selling/purchasing-programs/overview/eligibility-to-use-gsa-sources>. For complete FARO GSA information please reference the GSA eLibrary <https://www.gsaelibrary.gsa.gov/ElibMain/searchResults.do> and enter "FARO Technologies" into the search field.

LLS061202472 for trade-in with a \$5,000 allowance.

Qty	Item No.	Description	Unit Price	Discount	Ext. Price
1	SMAR0900-3Y	SCENE MAINT - 3Y RNWL ** Open Market Item ** SCENE. Extends maintenance contract of existing license by 3 years. DATAINT35239 07/15/21- 07/14/24	2,750.00	275.00	2,475.00
1	SML0900	SCENE MAINT RECOVERY ** Open Market Item ** SCENE. Fee allows the reactivation of maintenance contract. Mandatory maintenance renewal contract sold separately. Entitles to any version released since expiration. DATAINT35239 **To Bring Current**	3,100.00	310.00	2,790.00

PURCHASE AGREEMENT AND CONDITIONS OF SALE Customer will pay any federal, state and local taxes. All conditions of sale, service and warranty as described in FARO standard purchase conditions currently on file with FARO are made as part of this Quotation and are incorporated herein by reference (02FRM522). DR12 PLEASE REFERENCE FARO QUOTE NUMBER ON ALL DOCUMENTS. BY REFERENCING FARO QUOTE, CUSTOMER AGREES TO SAID TERMS AND CONDITIONS AS LISTED ON FARO QUOTATION.

Qty	Item No.	Description	Unit Price	Discount	Ext. Price
1	SOFTD51002	FARO Zone 3D Advanced Digital Download	4,832.98	2,899.79	1,933.19
		Advanced version of FARO Zone 3D with the added ability to open SCENE projects and import other point clouds. Includes one (1) year of maintenance. Digital Download			
1	SMA51002-3Y	FARO Zone 3D Advanced Maintenance 3Y ** Open Market Item **	2,550.00	255.00	2,295.00
		FARO Zone 3D Advanced annual maintenance extension at point of sale includes product updates and upgrades (as available), including top tier technical support for three (3) years. Customer must be on the most current software release to purchase this plan.			
1	LS-8-S-150	3D_HW_LS_FocusS 150	39,716.66	5,000.00	34,716.66
		Laser Scanner Focus S 150 ships with: 1x Focus S 150, 1x Quick Release, HDR photography, GPS, compass, altimeter (barometer), dual-axis compensator, Accessory Bay, 1x Power Block Battery, 1x Battery Power Dock, 1x Power Supply, 1x 32GB SD card and reader, 1x rugged transport case, calibration certificate, manufacturer warranty and a quick start guide.			

Qty	Item No.	Description	Unit Price	Discount	Ext. Price
1	TR-SCN-POS	<p>Laser Scanner Tr. - FARO Fac. - Inc</p> <p>** Open Market Item **</p> <p>"Available only at point of FARO system sale. Includes training for 2 Trainees. #Three day course at a training facility provided by FARO that discusses FARO Laser Scanner with FARO Software, setup, and basic measurements. Classroom trainings are scheduled on a first come, first served basis. Classes can be cancelled within two weeks of the scheduled date if sufficient enrollment is not met. Training days must be taken together on consecutive days, and cannot be split into individual days."</p>	0.00	0.00	0.00
1	TR-SCN-POS-FOR-O	<p>OnSite Forensics Cust-Site Upg. 5 Day</p> <p>** Open Market Item **</p> <p>Available only at point of FARO system sale. Customer Site Upgrade - five day course that discusses forensic applications with FARO Scanner with FARO Software, setup, and basic measurements. Customer Site Trainings are designed for up to 4 people to ensure proper transfer of knowledge and understanding. Price per class. Training days must be taken together on consecutive days, and cannot be split into individual days.</p>	9,130.00	913.00	8,217.00
1	ACSS8032	<p>3D_AC_LS_Standard Carbon Fiber Tripod</p> <p>Carbon fiber tripod, super lightweight, highly stable, low-vibration, customized for Focus scanners for perfect performance and increased durability.</p>	803.99	0.00	803.99

Qty	Item No.	Description	Unit Price	Discount	Ext. Price
1	SOFTL0002	Single User Hard Lock ** Open Market Item ** Hard lock (USB Dongle) for one single user license. Software licenses purchased separately. Can be used together with FARO SCENE, CAM2, FARO Zone, As-Built, and RevEng Software products.	200.00	20.00	180.00
1	SOFTL0002	Single User Hard Lock ** Open Market Item ** Hard lock (USB Dongle) for one single user license. Software licenses purchased separately. Can be used together with FARO SCENE, CAM2, FARO Zone, As-Built, and RevEng Software products.	200.00	20.00	180.00
1	ACCSS0287	200mm Koppa Target W/ Tripod Mount Kit A complete package of target spheres along with tripods and other accessories, shipped in 2 crates. Spheres are sprayed with #KoppaTuff™ coating. The first crate contains a 6 pack of 200mm target spheres with magnetic bases and individual cotton storage/handling bags, and 6 1/4-20 camera tripod mount plates. The second crate contains tripods and accessories that provide most of the standard mounting options for use in the field. Included are 6 camera tripods, 3 small flexible tripods, 3 traffic cone Adapters, and a dozen 2" fender washers.	2,052.28	0.00	2,052.28
1	CCR-SCN-V8-Y4	Complete Care-SCN Focus S/M-Y4 ** Open Market Item ** Complete Care service plan includes parts and labor for repair and annual cleaning and calibration. Three years of coverage in addition to the included 1-year warranty.	15,700.00	6,470.00	9,230.00




Image Not Available

Qty	Item No.	Description	Unit Price	Discount	Ext. Price
1	TR-FZ3-COR	FZ Core ** Open Market Item ** Two consecutive day, consisting of four-hour virtual classroom training. The FARO Zone 3D Core training is specifically designed to assist new users.	0.00	0.00	0.00
1	TR-FZ3-TCI-PC	FZ Point Cloud Crash ** Open Market Item ** Four-hour virtual classroom training. This course is designed for Investigators who will be using primarily laser scanner data to complete crash investigations.	500.00	50.00	450.00
1	TR-FZ3-AA	FZ Animation ** Open Market Item ** Four-hour virtual classroom training. This course builds upon the basics of animation covered in the FARO Zone3D Core Training course.	500.00	50.00	450.00
1	TR-FZ3-CSI-PC	FZ Point Cloud Crime ** Open Market Item ** Four-hour virtual classroom training. This course is designed for Investigators who will be using primarily laser scanner data to complete analysis.	500.00	50.00	450.00
1	TR-FZ3-AD	FZ Diagramming ** Open Market Item ** Four-hour virtual classroom training. This course builds upon the basics of diagramming covered in the FARO Zone3D Core Training course.	500.00	50.00	450.00
1	ACCS-PWR-0014	3D_AC_LS_FocusS Battery Power Block ** Open Market Item ** Power Block battery for Focus laser scanner and Freestyle.	580.00	87.00	493.00
1	SB_900091	Freestyle 2 Kit	0.00	0.00	0.00

Qty	Item No.	Description	Unit Price	Discount	Ext. Price
1	900-000099-000	Freestyle2_Sensor_FARO ** Open Market Item ** FARO Freestyle 2 Core Kit. Includes the Freestyle 2 Sensor and One (1) year of manufacturer warranty. A compatible Android smartphone is required.	13,495.00	2,024.25	11,470.75
1	810-000138-000	dS_AccessoryKit_FARO ** Open Market Item ** Freestyle 2 accessories Kit. Includes, On-site Calibration plate, Magnetic Kit for Mobile Phone, USB cable, One (1) Battery, Power Charger, High Speed USB stick, Targets Kit, Optical cleaning cloth, Quick start guide a rugged transport case.	2,000.00	300.00	1,700.00
1	FA0215	MobilePC_Faro ** Open Market Item **	2,495.00	374.25	2,120.75
1	ACCS-PWR-0014	3D_AC_LS_FocusS Battery Power Block ** Open Market Item ** Power Block battery for Focus laser scanner and Freestyle.	580.00	87.00	493.00
1	ACCSS8039	3D_AC_FS2_Mobile_Phone ** Open Market Item ** High-end Smartphone compatible with FARO® Cobalt Detail 3D.	780.00	117.00	663.00
1	SWS-FS-01	FARO Freestyle3D, Std. Warr - 1 Yr ** Open Market Item ** 1-Year Standard warranty extension/renewal includes (1) Calibration and Certification, repair parts, labor, shipping from a FARO Service Center.	1,232.00	184.80	1,047.20

Order Total:	104,197.91
Discount Amount:	-19,537.09
Freight, packaging and handling Total:	0.00
Total in USD:	84,660.82

Suggested Optional Items

Qty	Item No.	Description	Unit Price	Discount	Unit Price
1	ACCSS6069	<p>3D_AC_LS_3D-Scale Bar Kit ** Open Market Item **</p>  <p>The 3D Measurement Scale Bar is used as a reference point in scans to verify scan accuracy. NIST Traceable, the certified distance between the spheres is 1.5 meters. The scale bar has two 70 mm spheres mounted on a 31.75 mm (1.25") diameter rod. The spheres on the Scale Bar can also serve as near-distance (under 5 m) targets. The Scale Bar comes in two pieces, that are easily assembled at the scan scene. The Scale Bar Kit includes the Scale Bar, case, and a clamp that allows the scale bar to be mounted onto a standard photography tripod.</p>	2,220.00	222.00	1,998.00
1	ACCSS6079	<p>3D-Scale Bar Tripod ** Open Market Item **</p> <p>The Scale Bar Tripod allows the Scale Bar to be securely positioned in a scan scene. This tripod is not intended to hold the Scanner.</p>	185.00	18.50	166.50
1	ACCSS0299	<p>80Mm Koppa Target Set</p> <p>A combination set of 12 x 80mm targets with rubber o-rings to secure the sphere to the 1/4" trajectory rods. All shipped in a plastic storage crate.</p>	772.25	0.00	772.25
1	CCR-SCN-V8-Y5	<p>Complete Care-SCN Focus S/M-Y5 ** Open Market Item **</p> <p>Complete Care service plan includes parts and labor for repair and annual cleaning and calibration. Four years of coverage in addition to the included 1-year warranty.</p>	20,780.00	8,565.00	12,215.00
1	COMP0123X64	<p>VR Ready Notebook</p>	3,878.88	0.00	3,878.88

Qty	Item No.	Description	Unit Price	Discount	Unit Price
1	TR-SCN-POS-O	<p>High-end notebook computer. Contact your FARO representative for current specifications.</p> <p>Laser Scanner Tr. - Upg to OnSite ** Open Market Item **</p> <p>Available only at point of FARO system sale. Customer Site Upgrade - three day course that discusses FARO Scanner with FARO Software, setup, and basic measurements. Customer Site Trainings are designed for up to 4 people to ensure proper transfer of knowledge and understanding. Price per class. Training days must be taken together on consecutive days, and cannot be split into individual days.</p>	5,203.00	520.30	4,682.70
1	LS-8-S-350	<p>3D_HW_LS_FocusS 350</p> <p>Laser Scanner Focus S 350 ships with: 1x Focus S 350, 1x Quick Release, HDR photography, GPS, compass, altimeter (barometer), dual-axis compensator, Accessory Bay, 1x Power Block Battery, 1x Battery Power Dock, 1x Power Supply, 1x 32GB SD card and reader, 1x rugged transport case, calibration certificate, manufacturer warranty and a quick start guide.</p>	46,561.61	0.00	46,561.61

Additional Information

COVID-19

FARO does not assume any risk for (i) late deliveries of goods, (ii) customers' inability or impracticability to receive or use our devices or software, and for (iii) delivery disruptions, that are due to the COVID-19 pandemic and ensuing government measures (shut downs, lock-downs, quarantines).

The following article contains all our calibration information under their respective product headings

https://knowledge.faro.com/Essentials/Hardware/Compensation_Calibration_and_Certification_Standards_for_FARO_Devices

GSA QUOTE

Pricing, terms and conditions per GSA contract GS-07F-197GA.

Expiration of contract 9/28/2022.

GENERAL SERVICES ADMINISTRATION
FEDERAL SUPPLY SERVICE
AUTHORIZED FEDERAL SUPPLY SCHEDULE PRICELIST

On-line access to contract ordering information, terms and conditions, up-to-date pricing,
and the option to create an electronic delivery order are available through GSA
Advantage!®, a menu-driven database system. The INTERNET address for GSA
Advantage!® is: GSAAdvantage.gov.

MAS: MULTIPLE AWARD SCHEDULE

SPECIAL ITEM NUMBER
NEW - INTRODUCTION OF NEW SUPPLIES AND SERVICES
OLM - ORDER-LEVEL MATERIALS (OLM)
325412 - CRIMINAL INVESTIGATIVE EQUIPMENT AND SUPPLIES
FSC/PSC Codes: 6550, 0000

For more information on ordering from Federal Supply Schedules click on the FSS Schedules button at fss.gsa.gov.

Faro Technologies, Inc
250 Technology Park
Lake Mary, FL 32746
T: 407-333-9911
F: 407-333-4181
www.faro.com

Contract Number: GS-07F-197GA
Period Covered by Contract: September 29, 2017 - September 28, 2022
Contract Administrator: Steven Barthel
Business Size: Other than Small Business

CUSTOMER INFORMATION

1a. Table of Awarded Special Item Numbers with appropriate cross-reference to item descriptions and awarded prices:

Special Item Number (SIN)	Special Item Number Description	Awarded Price Page
325412/STLOC	Criminal Investigative Equipment and Supplies	Page 4 and 5
NEW/STLOC	Introduction of New Supplies and Services	Page 6
OLM/STLOC	Order-Level Materials (OLMs)	Defined at Order Level

1b. Identification of the lowest priced model number and lowest unit price for that model for each special item number awarded in the contract:

SIN	Part Number	GSA Price
325412/STLOC	SMA51000	59.84
NEW/STLOC	SP-01	8,478.59

1c. If the contractor is proposing hourly rates, a description of all corresponding commercial job titles, experience, functional responsibility and education for those types of employees or subcontractors who will perform services shall be provided: Not applicable

2. Maximum Order: \$250,000

3. Minimum Order: \$500

4. Geographic Coverage: Domestic Delivery Only

5. Points of Production: U.S.A., Germany, Italy, Sweden

6. Discounts from List Prices or Statement of Net Price: Prices shown herein are net prices.

7. Quantity Discounts: None

8. Prompt Payment Terms: Net 30 Days. Information for Ordering Offices: Prompt payment terms cannot be negotiated out of the contractual agreement in exchange for other concessions.

9a. Government purchase cards are accepted at or below the micro-purchase threshold.

9b. Government purchase cards are accepted above the micro-purchase threshold.

10. Foreign Items: Germany, Italy, Sweden

11a. Time of Delivery: 30 - 45 Days ARO

11b. Expedited Delivery: Contact Contractor

11c. Overnight and Two-Day Delivery: Contact Contractor

11d. Urgent Requirements: Please note the urgent requirements clause of this contract and contact contractor.

12. F.O.B. Point: Origin - Prepaid by Seller

13a. Ordering Address:

FARO Technologies, Inc.
250 Technology Park
Lake Mary, FL 32746

13b. Ordering Procedures: For supplies and services, the ordering procedures, information on Blanket Purchase Agreements (BPA's) are found in Federal Acquisition Regulation (FAR) 8.405-3.

14. Payment Address:

FARO Technologies, Inc.
PO Box 116908
Atlanta, GA 30368

15. Warranty Provision: The limited warranty covers defects in materials and workmanship in FARO-brand products or other products sold by FARO to the customer. Products sold by FARO include a one year limited warranty under this contract.

16. Export Packing Charges (if applicable): N/A

17. Terms and Conditions of Government Purchase Card Acceptance (any thresholds above the micro-purchase threshold): Government purchase cards are not accepted above the micro-purchase threshold.

18. Terms and Conditions of Rental, Maintenance, and Repair: N/A

19. Terms and Conditions of Installation: N/A

20. Terms and Conditions of Repair Parts Indicating Date of Parts Price Lists and Any Discounts from List Prices: N/A

20a. Terms and Conditions for Any Other Services: N/A

21. List of Service and Distribution Points: N/A

22. List of Participating Dealers: N/A

23. Preventative Maintenance: N/A

24a. Special attributes such as environmental attributes (e.g., recycled content, energy efficiency, and/or reduced pollutants). N/A

24b. If applicable, indicate that Section 508 compliance information is available on Electronic and Information Technology (EIT) supplies and services and show where full details can be found (e.g contractor's website or other location.) The EIT standards can be found at: www.Section508.gov/.

25. Data Universal Number System (DUNS) Number: 617308929

26. Notification Regarding Registration in System for Award Management (SAM) Database: FARO Technologies, Inc. is registered in the SAM Database.