

**CITY OF ROHNERT PARK
PUBLIC WORKS DEPARTMENT**

REQUEST FOR MATERIAL PRICING

FOR

PROCUREMENT OF

AUTONOMOUS FIRE WATCH CAMERA SYSTEM

PROJECT 2023-04

FEMA No. FM-5380-07-08F / Cal OES No. FEMA-5380-FM-CA, Project #PJ0007

CITY OF ROHNERT PARK



City of Rohnert Park
Public Works Department
600 Enterprise Drive
Rohnert Park, CA 94928
(707) 588-3300

Distribution/Advertisement: February 27, 2024

Deadline for Submittal of Proposal: March 27, 2024

The City of Rohnert Park requests pricing for materials associated with the following project:

AUTONOMOUS FIRE WATCH SYSTEM PROJECT No. 2023-04
FEMA No. FM-5380-07-08F
Cal OES No. FEMA-5380-FM-CA, Project #PJ0007

I. General Description of the Project

The City is a subrecipient of grant funding awarded to California's Governor's Office of Emergency Services (CalOES) from the Federal Emergency Management Agency's (FEMA) Hazard Mitigation Grant Program. The City's grant subaward will be used to implement an Autonomous Fire Watch System. The system includes procurement and installation of three infrared fire detection cameras driven by fire-sensing artificial intelligence technology which will stream real-time data directly to the City of Rohnert Park's Public Safety Complex, including the City's Emergency Operations Center. This mitigation action will increase the speed of response time from City's fire fighting and emergency assets. Attachment B shows the proposed locations of the fire cameras. This Request for Material Pricing is for the purchase of an autonomous fire watch camera system. The City will prepare construction bid documents for installation of the cameras at a later date.

II. Schedule, Location, Contact

The following schedule has been established to meet our internal deadline:

Deadline for questions:	3/13/24
Deadline for submittal:	3/27/24 5:00PM
Award of Purchase Order (est):	4/23/24

Submit pricing of materials to: City of Rohnert Park
Public Works Department
Attn: Jason Sampietro, Associate Engineer
600 Enterprise Drive
Rohnert Park, CA 94928
jsampietro@rpcity.org

Questions regarding this RFP, please direct to: Jason Sampietro, Associate Engineer
jsampietro@rpcity.org
707-588-2235

III. Scope

The City of Rohnert Park is seeking to purchase an autonomous fire watch system.

The materials the City is seeking includes:

- An autonomous fire watch system with components that meet or exceed the following (see Attachment A for more detailed product information) Proposed materials will be considered if they are equal or greater to the specifications in Attachment A.

- (3) FLIR A310PT 6° NTSC
- (3) A310 PT Power Supply 4124857
- (3) A310 PT Series Large Pole Mount Kit
- (3) Smart-LX Sensor Gateway
- (3) Smart-LX Sensor Gateway License
- (1) Smart-LX Analytics Server
- All products must work together seamlessly as a designed system
- System commissioning assistance once the cameras are installed by separate contract:
 - Turn on
 - Network connectivity assistance
 - Fine tuning of system after installation

IV. Delivery Schedule

The City would like to procure the cameras in order to advertise this project for construction in April 2024.

V. Pricing Requirements

Please submit pricing for the above listed items. Include all tax and shipping costs in your proposal. The City will select the lowest cost bid that meets the criterias set forth in this request for material pricing.

VI. Contracting with small and minority businesses, women's business enterprises, and labor surplus area firms (Code of Federal Regulations Section 200.321)

(a) The City is taking all necessary affirmative steps to assure that minority businesses, women's business enterprises, and labor surplus area firms are used when possible.

(b) Affirmative steps include:

- (1) Placing qualified small and minority businesses and women's business enterprises on solicitation lists;
- (2) Assuring that small and minority businesses, and women's business enterprises are solicited whenever they are potential sources;
- (3) Dividing total requirements, when economically feasible, into smaller tasks or quantities to permit maximum participation by small and minority businesses, and women's business enterprises;
- (4) Establishing delivery schedules, where the requirement permits, which encourage participation by small and minority businesses, and women's business enterprises;

(5) Using the services and assistance, as appropriate, of such organizations as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and

(6) The prime contractor, if subcontracts are to be let, must take the affirmative steps listed in paragraphs (b)(1) through (5) of this section.

VII. General Terms and Conditions

- a. The City reserves the right to reject any and all proposals and to award any or all aspects of the scope to one or multiple consultants.
- b. The City will not be responsible for any costs incurred by respondents in the preparation and submittal of a response to this request for material pricing. City staff will make a recommendation to the City Manager, who will approve a Purchase Order for procurement of the materials.
- c. The City reserves the right to modify the scope of the work for this project at any time.
- d. Pricing included with the submitted proposal shall remain effective for 120 days beyond the submitted date.
- e. Submit pricing of materials via e-mail to jsampietro@rpcity.org by 5:00PM on January 28, 2024.

Attachments:


Attachment A – Specifications for Camera System (products equal to or greater than these Specifications will be considered)

Attachment B – Camera Location & View Field



<div><div></div><div>Hardware - Smart-LX® Enterprise Analytics Server and software installation. Smart-LX® License not included.</div><div>This is an industrial computer that requires either 110VAC or 24VDC. The computer is fan-less and has a solid state drive.</div><div>Operating Temperature - 20 ~ 60°C (-4 ~ 140°F) @ 5 ~ 85% RH with 0.7m/s airflow</div><div></div></div>			
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Smart-LX® Sensor Gateway

Note that while the A310PT by itself is limited to 6 boxes and spots, the Smart-LX® application dynamically places measurement boxes and spots anywhere in the scene and eliminates the the limitation of 6 measurement boxes. The measurement box/spot locations are saved in the Smart-LX® application rather than in the camera. If the camera is ever replaced, you do not have to re-train the camera tour.

Smart-LX®			
Smart-LX® Sensor Gateway License			
Smart-LX® Sensor Gateway Software License (1 per camera site) This edition is for use on applications where there are multiple Smart-LX® Sensor Gateways. 			
Smart-LX® Gateway Hardware			
Smart-LX® Sensor Gateway Hardware Industrial PC based controller, requires 110VAC, 15 amp service and your network (with an internet connection or we can setup an on premises server). Contains the power supply for the camera and PT unit.			

Edge Camera Equipment

Smart-LX®			
Edge Camera equipment			
<p>FLIR A310 pt (30Hz) 6 ° NTSC - Automation</p> <p>IR Resolution: 320 x 240 pixels</p> <p><u>FOV (Field of View):</u></p> <p>6° x 4.5°</p> <p>Focal Length: 76 mm (3.0 in.)</p> <p><u>Spatial Resolution (IFOV):</u></p> <p>0.33 mrad</p> <p>Image Frequency: 9 Hz / 30 Hz</p> <p><u>Measurement Object Temperature Range:</u></p> <p>-20 to 120°C (-4 to 248°F)</p> <p>0 to +350°C (+32 to +662°F)</p> <p>Detector time constant: Typical 12 ms</p> <p>Measurement Accuracy: +- 4° C (+-7.2°F) or +- 4% of reading</p> <p>Environmental Data: -25°C to +50°C (-13°F to +122°F)</p> <p>Encapsulation: IP 66 (IEC 60529)</p>			
			
<p>A310 PT Power Supply 4124857 - Automation</p> <p>24VAC power supply in an outdoor enclosure. For the A310PT camera.</p>			
			


A310PT Series Large Pole Mount Kit - Security

Wall mount and pole adapter for a large pole.

500-1110-00 PT-Series Wall Mount (Required for Pole Mount)

500-1116-00 PT-Series Large Pole adapter for wall mount
PT-PLATE PT Series adapter plate



<h2>A310PT Series Large Pole Mount Kit - Security</h2> <p>Wall mount and pole adapter for a large pole.</p> <p>500-1110-00 PT-Series Wall Mount (Required for Pole Mount)</p> <p>500-1116-00 PT-Series Large Pole adapter for wall mount</p> <p>PT-PLATE PT Series adapter plate</p> 			

City of Rohnert Park Autonomous Fire Watch System

- Central Network Site: Public Safety Main
- North Camera, Utility Pole on Holly Ave
- Central Camera, Water Tank
- South Camera, Utility Pole Willowglen
- Rohnert Park City Limit
- - - Rohnert Park Urban Growth Boundary

Taylor Mountain

View arc of North Camera

North Camera
38.37134, -122.67656

Central Network
38.34933, -122.70310

Central Camera
38.34228, -122.65792

Rohnert Park

South Camera
38.32230, -122.66805

View arc of Central Camera

Sonoma Mountain

View arc of South Camera

