The City *of*
WORCESTER

Administration & Finance – Purchasing Division
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March 20, 2023

To All Bidders:

Subject: **Bid No. CR-7979-W3, Gunfire Abatement, Location & Alert Services / WPD**

ADDENDUM NO. 2

To Whom It May Concern:

With reference to our bid request relative to the above subject, please refer to the changes/modifications/clarifications to the original proposal request.

- **PLEASE SEE ATTACHED ADDITIONAL SCOPE OF SERVICES BEING ADDED TO THIS BID/CONTRACT.**
  - **PATROL MANAGEMENT SOLUTION SHALL BE PROVIDED UNDER THIS BID/CONTRACT.**
  - **REVISED PRICING SHEET IS ATTACHED TO THIS ADDENDUM**

Bidders are requested to acknowledge and/or include this addendum with submission. All other terms, conditions and specifications remain unchanged.

Very truly yours,

Christopher J. Gagliastro
Purchasing Director

PRICING PAGE ~ GUNFIRE ABATEMENT, LOCATION & ALERT SERVICES
BID #: CR-7979-W3   - <mark>REVISED VIA ADDENDUM # 2</mark>

QTY	DESCRIPTION	UNIT PRICE		TOTAL
3 years	Subscription for 8.06 square miles of coverage service	$_____ Per Year	x 3	$ _____ Total
1	Service initiation and start-up fees for the 8.06 square miles (if applicable)			$_____ Total One-Time Charge
1	Video surveillance and/or PSIM interface (if applicable)			$_____ Total One-Time Charge
1	Training-strategic program and tactical use			$_____ Total One-Time Charge
2 years + 9 months	Patrol Management Solution per attached specifications (7/1/23 – 4/5/26)			$_____ Total
				$_____ * TOTAL ALL ITEMS ABOVE

*Award to be based on this amount. Bidders must bid all items and/or include any and all fees required to complete the services.

_____
Bidder Name:

PATROL MANAGEMENT SYSTEM SPECIFICATIONS

INTRODUCTION

Requirement:
<Agency> seeks a crime forecasting and patrol/task force management system. Required features include the ability to:
- Use machine learning-driven analysis to help strategically plan directed patrols and tactics for maximum crime deterrence
- Incorporate data such as gunshot incidents, crime events, temporal cycles, and geographic variables to produce high probability crime forecasts that are turned into patrol plans ("directed patrols" or "patrols") that are available to watch commanders, crime analysts, and officers in the field.

Requirement:
The solution must address the needs of patrol officers, task force officers, command staff, and crime analysts in the following ways:
- Patrol and Task Force Officers – Automate the process of creating crime risk forecasts and directed patrol plans, by beat and shift, along with recommended specific tactics.
- Command Staff – Track directed patrols completed, including tactics applied and activities logged by the officer during each patrol session.
- Crime Analysts – Automate labor-intensive aspects of crime analysis and employ multiple crime analysis theories into risk forecasts.

Requirement:
Additional features must include:
- Incorporation of objective, non-crime data
- Flexibility of system to be configured to meet the <Agency>'s needs, such as choosing which crime types to focus on, weighting those crime types relative to each other and determining tactics and activities logged.
- Ease of use of the system for patrol officers.
- Proactive suggestion of patrol tactics based on crime type and agency best practices.
- Integration with ShotSpotter Respond gunshot detection, location, and forensic analysis service
- Transparency about how the solution works and what data is used to foster community trust.
- As a web-based application, the solution must be available through mainstream web browsers (Chrome, Firefox) on multiple devices such as desktop computers, laptops, tablets, MDTs, and smartphones.

Requirement:
The solution must provide forecasts of gun crime and other selected major crime types within and outside the <Agency's> current ShotSpotter Respond coverage area(s) and include the following:
- Unlimited web-based access to the patrol management solution via mobile, MDT, and desktop devices
- Vendor must provide service to implement a data feed to provide the agency's historical data to the patrol management solution
- Vendor must host, secure, monitor, and maintain the patrol management application software and data

Vendor must describe how the patrol management solution meets the following requirements:

Requirement:
CRIME FORECASTING AND DIRECTED PATROL PLANNING
Describe how the solution assesses multiple data sources to create crime risk forecasts and recommended directed patrols.

Crime Models
- Describe how the solution supports the ability to define crime models and generate crime forecasts.
  - Must include gunshot incident data (as applicable)

Patrol Dosage
- Describe how the solution supports the ability to generate directed patrol recommendations based upon available patrol resources.

Adaptive Tactics
- Describe how the solution supports the ability for agencies to create and assign tactics to specific crime types.

Requirement:
COMMAND STAFF/ANALYST USER EXPERIENCE
Describe how the solution supports command staff/analyst activities with respect to:
- Viewing directed patrols and visit activity on a map
- Creating custom directed patrols (as needed)
- Creating directed patrol reports
- Provide a detailed description of the directed patrol report

Requirement:
PATROL OFFICER USER EXPERIENCE
Describe how the solution supports patrol officer activities with respect to:
- Access to the patrol management solution on a mobile device or MDT
- Providing pertinent situational awareness to the officer concerning the directed patrol
- Capturing the amount of time an officer stays within a directed patrol
- Managing close adherence to the Koper curve theory with officer visits
- Allowing officers to provide feedback on observations

Requirement:
PATROL ACTIVITY INSIGHTS
The solution must provide the ability to analyze the results of directed patrols.

Reporting
- Describe the solution's reporting capabilities.