



SAN JOSE POLICE DEPARTMENT

TRAINING BULLETIN

TO: ALL DEPARTMENT PERSONNEL

FROM: Anthony Mata
Chief of Police

**SUBJECT: GUNSHOT DETECTION SYSTEM
PILOT PROGRAM**

DATE: April 23, 2021

Bulletin# 2021-012

In late 2019, SJPd submitted a Request for Information (RFI) to explore Gunshot Detection Systems (GDSs) for use in San Jose. The Department sought a system with continuous audio monitoring of gunshots, ALPR, video recording, and software that would triangulate the source of the gunshots. In addition, the system needed to provide real-time location information to our Communications Center. To facilitate a comprehensive testing period and thorough analysis for feasibility, the GDS would be implemented for a trial period of 6 months.

In an effort to choose the most advantageous area of San José to pilot the system, SJPd performed two separate statistical analysis of violent and firearm related crime in the City. As a result, two locations were selected from the analysis, the Cadillac/Winchester and Clemence/Owsley areas.

In September 2020, the Department was contacted by Council District 1 regarding the feasibility of a gunshot detection system due to constituent concerns over increased firearm violence. Council District 1 was provided with the Department's RFI information and as a result, a working group involving various City Department's was formed. In October 2020, a site study of the Cadillac/Winchester neighborhood was completed to maximize efficiency and effectiveness of the system based upon the area's unique geography, crime patterns, ingress and egress points, and privacy concerns. A study of the Clemence/Owsley neighborhood will commence at the beginning of May 2021.

The pilot program is a collaboration between the City's Information Technology Department, Department of Public Works, Department of Transportation, City Manager's Office, and the Police Department. In addition, the GDS has been reviewed by the City Attorney's Office, the City's Information Technology's Cybersecurity Officer, and City Manager's Office of Civic Innovation.

Beginning April 26, 2021, the GDS will be deployed in the Cadillac/Winchester neighborhood. After approximately three months, the system will be moved to the Clemence/Owsley area. After the six-month pilot period ends, SJPd will evaluate the system using metrics such as accuracy, effectiveness, cost, portability, and reliability.

During the pilot program, the GDS will continuously record video and detect ambient environmental audio. Neither the video, nor the audio will be monitored. The video will only be accessed when necessary for the investigation of a crime. However, by having continuous recording and detection capabilities, the GDS is able to both identify and triangulate the precise location of any gunshots. The

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system will send real-time alerts, within seconds, via 9-1-1 to the SJPD Communications Center. Dispatchers will then alert patrol units to the location of the gunshot activation. The incorporation of cameras and ALPR technology creates a comprehensive system combining immediate police notification of firearm violence, and the added ability to identify and locate victims, witnesses, suspects, and associated vehicles during the following investigation.

At the conclusion of the six-month pilot period, SJPD will produce a report evaluating the efficacy of the system. The evaluation will include 1) the total number of reports to police regarding gunshots that were not captured by the GDS; 2) the total number of GDS activations in the area that did not have a corresponding call to police; and 3) the total number of calls for service and/or deployment of police units to the area before and during the pilot period. Additionally, the Department will compare any changes to analysis of other neighborhoods over same time periods. The evaluation report will also include a summary of the evidentiary and investigatory use, if any, of audio or video collected by the system.

Events generated by Communications stemming from the GDS will be identified as “10-57V.”

The event will be handled in the same manner as an alarm notification from a private monitoring company. A call for service will be generated and dispatched per standard policy. Communications will not have access to the audio recordings, video footage, and license plate reader information from the GDS.

The following groups will undergo system training and have access to the audio recordings, video footage, and license plate reader information:

- Western Division Sergeants
- All Lieutenants and Captains
- Crime Scene Unit
- Crime Data Intelligence Center

As added training opportunities become available, they will be distributed via Department email. In addition, a brief introduction video will be distributed via Department email and will be played during briefings.



Anthony Mata
Chief of Police

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