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AGENDA REPORT

TO: Sabrina B. Landreth
City Administrator

FROM: Anne E. Kirkpatrick
Chief of Police

SUBJECT: 2nd Supplemental Gun Tracing Report

DATE: June 14, 2017

City Administrator
Approval

[Signature] for SBL

Date

6/15/17

RECOMMENDATION

Staff Recommends That The City Council Receive This Supplemental Report And Update From The Oakland Police Department (OPD) Criminal Investigations Division (CID) Regarding Gun Tracing, From January 2015 Through December 2016, As Well As An Update On The Use Of One Million Dollars (\$1M) Allocated To Gun Tracing In The Fiscal Year (FY) 2015-17 Budget.

REASON FOR THE SUPPLEMENTAL REPORT

The Public Safety Committee on June 13, 2017 requested that the revised spending plan for the \$1M in one-time gun tracing funds approved in the Fiscal Year (FY) 2015-17 budget, be presented in a supplemental report.

ANALYSIS AND POLICY ALTERNATIVES

The report "Informational Report on Gun Tracing" dated February 17, 2017 provides an update on OPD's use of the \$1 million (\$1M) in gun tracing funds from the Oakland Fiscal Year (FY) 2015-17 Adopted Policy Budget. The FY 2015-17 Adopted Policy Budget allocated \$1M in one-time funding over two years for "special investigations to reduce gun violence & illegal gun dealing." In the report titled, "Implementation of \$1M Gun Tracing Allocation in FY 2015-2017 Budget," dated September 22, 2015, OPD presented its spending plan for the funds (see **Table 1** below for the technology component of the original spending plan).

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Table 1: OPD's Use of the \$1M Funding Allocation from the FY 2015-17 Budget – Technology

Item	Quantity	Amount per Unit	Total
Gun Microscope cameras (3) and related equipment	1	\$22,119.58	\$22,119.58
Gun Laser Scanner	1	\$145,155.25	\$145,155.25
Computer Stations	3	\$1,300.00	\$3,900.00
ITD Support for Automating Gun Cards with TBD Process	1	\$50,000.00	\$50,000.00
Technology Total			\$221,174.83

After the Public Safety Committee received the report on October 27, 2015, OPD then brought forward a plan to purchase a Forensic 3-D Laser Scanner¹, which the City Council approved through Resolution No. 85991 C.M.S. on January 13, 2016. CID's gun tracing unit within the Crime Laboratory has since been able to more effectively process numerous firearm-related crime scenes.

CID has been able to use the Leica Scan Station 3-D Laser Scanner at many homicide scenes as well as at several fatal traffic accidents. The end product provides a level of detail that is useful for investigators and later in court. The finished product can often be viewed in 2D or 3D. Photos can also be attached to the diagram so that the investigator can click on an evidence item and see the photo that was taken of it. Additionally, the laser scanner allows for much quicker crime scene recording than previous processes involving measuring tape, rods and careful trajectory analysis. This technology allows officers and Police Service Technicians (PST) to process crime scenes much more quickly.

Changes to the Original Gun Tracing Plan – Technology

OPD revised its spending plan for the \$1M in gun tracing funds allocated to OPD in the FY 2015-17 Budget because planned personnel expenses could not occur during the FY 2015-17 period (see "OPD's Use of the \$1M Funding Allocation from the FY 2015-17 Budget – Personnel" below). OPD leadership therefore reviewed its spending plan and looked at other potential one-time expenses that would align with gun-tracing efforts. OPD chose to add the following technology costs under the gun-tracing spending plan; these are all one-time expenses that directly support CID's gun tracing efforts.

OPD planned to purchase an Argus Computer with \$144,000 in funds from the original \$1M in gun tracing funds. OPD's helicopter needs a computer to be able to provide better communications, such as receiving ShotSpotter gunshot notifications. The helicopter currently cannot receive these digital communications, nor connect whatsoever to OPD computers. The helicopter allows OPD personnel to respond more quickly to gunfire than is possible with patrol

¹ The Leica ScanStation P40 and related equipment described in the September 22, 2015 report

automobiles. However, OPD is aware of the concern from the Public Safety Committee that there is an insufficient nexus between gun-tracing and the technology capacity of OPD's helicopter. Therefore, OPD will not use funds from the \$1M in one-time gun tracing funds to purchase a new helicopter computer. Funding will be sought for that item from other sources.

OPD already purchased, or plans to purchase, the following technology additions listed with the remaining gun tracing funds (Table 2 also outlines these expenses):

1. Crime Lab Terminal (MatchPoint) (\$60,000) - for linkage to gun-casings – OPD's crime lab currently has one MatchPoint computer terminal, which is used to link gun-casings to other gun-casings and guns recovered locally. OPD currently has one terminal, which is shared between three gun tracing Forensic Analysts. A second MatchPoint computer terminal will allow these three analysts to much more effectively follow-up on gun-shooting investigations by matching gun-casings to guns which helps CID match guns to crimes.
2. CID Interview Room Buildout (\$40,000) – In the report titled, "Citizens Options for Public Safety Grant FY16-17," dated October 13, 2016, OPD reported on its plan to purchase a new Investigation Room Video Recording System for CID. OPD has since discovered that physical changes must be made to rooms in the police administration building (such as soundproofing) to support the recording system.
3. ShotSpotter-Connected Cameras (\$164,000) – OPD wishes to explore new camera systems, and supporting technology, that connect to ShotSpotter cameras to provide surveillance images at the exact locations of gunshots recorded by the ShotSpotter system; OPD will work with Shotspotter to find a camera system that is activated by ShotSpotter cameras. OPD hopes to install such cameras in areas with high concentration of gun shootings. The prior spending plan allocated \$20,000 for purchase of cameras- the revised spending plan shifts the \$144,000 (from the original proposed helicopter computer) towards additional funds for Shotspotter-connected cameras. OPD hopes to purchase several of these camera systems to pilot their use and effectiveness².
4. Ceasefire Monitors and Computers (\$10,000) – OPD will purchase additional computers and monitors for officers to support gun-crime investigations in support of the Ceasefire Program.
5. Gun Laser Scanner Software Upgrade (\$10,000) - OPD's gun laser scanner (explained in detail in the February 17, 2017 report) is in need of software upgrades. The \$10,000 will also cover training costs for CID personnel assigned to crime scene investigations where the scanner is often used.

OPD's Use of the \$1M Funding Allocation from the FY 2015-17 Budget - Personnel

The OPD plan for the one-time \$1M allocation from the September 22, 2015 report detailed a plan to hire one limited duration Police Records Specialist (PRS) and two limited duration Crime Analysts (Table 3 below). The plan for the PRS was to be assigned to CID to directly support

² OPD will bring ShotSpotter-connected cameras for review by the Oakland Privacy Commission before implementing their use.

the Weapons Charging Unit with running eTrace³ queries on firearms. The plan for the two limited duration Crime Analysts were to support CID's Crime Analysis Unit, which supports CID globally (the September 22, 2015 report provides detail on the crime analysis plans). OPD chose to use the \$1M in gun tracing funds to hire limited duration employees because the one-time gun tracing funds could not be used to add permanent positions. OPD and the City's Human Resources and Management Department (HRMD) advertised these limited duration positions in early 2016. The Crime Analyst positions were advertised via a local / regional crime analyst association, a state association, and on the International Crime Analysts Association site (in addition to the normal HRMD advertising on the City's NEOgov job website). The PRS position was filled with a new employee who started on June 18, 2016. The PRS worked directly with the Ceasefire Analyst in the Crime Analysis Section, maintaining a matrix of shell casing matches, using the IBIS (Integrated Ballistic Identification System) and NIBIN (National Integrated Ballistic Information Network) systems, which helped the analyst triage the most important matches. In the matrix, she gathered important information about the cases and people associated with the traces, letting the Ceasefire Analyst provide better and more-informed products on more traces. This person has recently transferred to become a full-time permanent employee with OPD's Records Division; the limited-duration PRS position is no longer filled.

Table 2: OPD's Use of the \$1M Funding Allocation from the FY 2015-17 Budget - Personnel Costs (based on hiring half-way through FY 2015-2016)

Item	Amount	Per Unit / Position	Year 1 Cost	Year 2 Cost	Total
Police Records Specialist (PRS)	1	\$84,810.62	\$42,405.31	\$84,810.62	\$212,026.55
Crime Analyst	2	\$116,478.14	\$58,239.07	\$232,956.30	\$407,673.51
Overtime			\$175,000.00	\$185,000.00	\$360,000.00
Personnel Total			\$275,644.40	\$502,766.92	\$778,411.30

Twelve people applied for the two-limited duration Crime Analyst positions. OPD and HRMD informed applicants at each stage of the application process that these positions have limited-durations – not permanent full-time positions. One of the 12 applicants continued with the process and was offered a position; the analyst began working for OPD in the Criminal Investigations Division (CID) on February 14, 2017. OPD found that few qualified candidates chose to apply for these limited-duration positions. The PRS positions are somewhat easier to fill because employees can transfer to other permanent PRS positions in the Records Division.

³ "eTrace" is an ATF-managed paperless firearm trace submission system that provides access to gun purchase records from U.S. dealers. eTrace is not a database with data on all legal gun sales. ATF employees review gun purchase records (paper, microfiche or electronic) and send information to the requesting agency, such as OPD, which uses the system for gun tracing. ATF/NTC is the only organization authorized by the U.S. Congress to trace U.S. and foreign-manufactured firearms for International, Federal, State, and Local Law Enforcement Agencies. The OPD CID Weapons Charging Detail uses eTrace to locate data on guns found in Oakland.

Therefore, OPD does not need to advertise the PRS as a limited duration employee. Regionally, fewer employment opportunities exist for Crime Analysts, and getting the two years of experience required to be an OPD Crime Analyst is difficult to obtain. Current seated analysts in full-time positions with the necessary experience were not willing to risk a limited duration position when they were already employed in a full-time, ongoing capacity at another agency. However, OPD will continue to use all available resources to employ a second Crime Analyst position in alignment with the original \$1M Funding Allocation Plan.

Revised One-Time Funds Gun Tracing Plan

OPD has now finalized its spending plan for the \$1M in one-time gun tracing funds, which have already been allocated to OPD in the FY 2015-17 budget. This spending plan is informed by actual personnel expenses as well as technology uses. Table 3 below outlines original and revised spending plans. OPD is unable to provide specific detail on actual spending encumbrances for the publication of this report. However, OPD will provide additional spending data if requested.

Table 3: \$1M Gun Tracing Allocation Revised Spending Plan

Item	Individual Number	Year 1 Cost	Year 2 Cost	Total	Amended Spending Plan
Police Records Specialist	\$84,811	\$42,405	\$84,811	\$127,216	\$83,294
Crime Analyst	\$116,478	\$58,239	\$232,956	\$291,195	\$373,896
ShotSpotter Response Overtime		\$175,000	\$185,000	\$360,000	\$92,000
Personnel Total		\$275,644	\$502,767	\$778,411	\$549,190
Gun Microscope cameras (3) and related equipment	\$22,120	\$22,120	\$0	\$22,120	\$0
Gun Laser Scanner	\$145,155	\$145,155	\$0	\$145,155	\$118,000
Computer Stations	\$1,300	\$3,900	\$0	\$3,900	\$0
DIT Support for Automating Gun Cards with TBD Process	\$50,000	\$50,000	\$0	\$50,000	\$0
Technology Total		\$221,175	\$0	\$221,175	\$118,000
Total Allocated (Original Spending Plan)		\$496,819	\$502,767	\$999,586	\$667,190
Additional Gun Tracing Strategy Uses - Personnel					
ShotSpotter Response Overtime			\$25,000	\$25,000	\$25,000
Overtime for Weapons Detail Investigations			\$23,741	\$23,741	\$23,741
Additional Personnel Total					\$48,741

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Additional Gun Tracing Strategy Uses - Technology					
Crime Lab Terminal (MatchPoint) for linkage to gun-casings	\$60,000		\$60,000	\$60,000	\$60,000
CID Interview Room Buildout	\$40,000		\$40,000	\$40,000	\$40,000
ShotSpotter-Connected Cameras	\$164,000	\$0		\$164,000	\$164,000
West Oakland Ceasefire Support: Monitors, computers	TBD	\$0	\$10,000	\$10,000	\$10,000
CID/crime scene laser scanner software upgrade and training	\$10,000		\$10,000	\$10,000	\$10,000
Additional Technology Total					\$284,000
Total Additional Gun Tracing (Personnel + Technology)					\$332,741
Grand Total		\$0	\$140,000	\$140,000	\$999,931

ACTION REQUESTED OF THE PUBLIC SAFETY COMMITTEE

Staff Recommends That The City Council Receive This Supplemental Report And Update From The Oakland Police Department (OPD) Criminal Investigations Division (CID) Regarding Gun Tracing, From January 2015 Through December 2016, As Well As An Update On The Use Of One Million Dollars (\$1M) Allocated To Gun Tracing In The Fiscal Year (FY) 2015-17 Budget.

For questions regarding this report, please contact Lieutenant Brandon Wehrly at (510) 238-3209.

Respectfully submitted,

/s/ Assistant Chief John Lois
For Chief Anne E. Kirkpatrick
 Anne E. Kirkpatrick
 Chief of Police
 Oakland Police Department

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