



CITY OF OAKLAND

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OFFICE OF THE CITY CLERK
OAKLAND

2014 OCT 15 PM 3:27

AGENDA REPORT

TO: HENRY L. GARDNER
INTERIM CITY ADMINISTRATOR

FROM: Sean Whent

SUBJECT: ShotSpotter Contract Extension
and System Expansion

DATE: October 6, 2014

City Administrator
Approval

Date 10-15-14

COUNCIL DISTRICT: City-wide

RECOMMENDATION

Staff recommends that the City Council adopt this Resolution Authorizing the City Administrator to enter into an Agreement with SST, Inc. to 1) Expand the ShotSpotter Coverage Area (Phase III), in an amount not to exceed \$146,600.00; 2) Extend Coverage for the Period of October 21, 2014 to April 18, 2015 (Phase I), in an Amount Not to Exceed \$41,425.00, With an Option to Renew for Two Additional One-Year Terms at a Cost of \$84,000 Annually, for a Total Contract Amount Not To Exceed \$356,025.00; and 3) Waiving the Competitive Request For Proposal/Qualifications (RFP/Q) Process, the Advertising and Bidding Requirements, and Local and Small Local Business (L/SLB) Enterprise Program Provisions for the Contracts with SST, Inc..

OUTCOME

Increasing the overall coverage area of ShotSpotter will enhance the ability of the Oakland Police Department (OPD) to provide the citizens of Oakland with a long-term crime deterrence tool – awareness of all gunfire incidents and cumulative data collection enables proactive crime analysis and strategic deterrence.

Extension of the current maintenance contract (Phase III) with SST, Inc. will provide OPD with continuous use of this response tool, investigative module, community awareness tool, and gunshot predictor. Aligning the maintenance contract end-dates will provide a more efficient budgeting process and the Shot Spotter system would be maintained without interruptions.

BACKGROUND / LEGISLATIVE HISTORY

OPD entered into the original contract with SST, Inc. in 2006 (Resolution No. 80075 C.M.S.). The original ShotSpotter system (Phase I) covered 6.2 square miles of the City. The system was repaired and reactivated in 2011 (Resolution No. 83580 C.M.S.). The system was expanded in 2012 (Resolution No. 84058 C.M.S.) to cover an additional 6.4 square miles (Phase II). The

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total coverage area for the current ShotSpotter system comprises 12.6 square miles. The Oakland Housing Authority contributed \$150,000 toward Phase II expansion (Resolution No. 84119 C.M.S.).

Beyond being a crime fighting tool, ShotSpotter is used as a community awareness and relationship building resource for OPD. ShotSpotter has two major components:

Gunshot Notifications (ShotSpotter Flex™ Alert)

ShotSpotter Flex instantly notifies officers of gunshot crimes in progress with real-time data delivered to OPD Communications Section and patrol vehicles. This service enhances officer safety and effectiveness through:

- Real-time access to maps of shooting locations
- Actionable intelligence detailing the number of shooters and the number of shots fired
- Pinpoints precise locations for first responders aiding victims, searching for evidence and interviewing witnesses

Investigative Component (ShotSpotter Flex™ Investigator Portal)

ShotSpotter gunfire data enables intelligent analysis which would allow command staff to position resources at the appropriate time while reducing violence and to transform OPD from a reactive to proactive policing strategy. It provides critical information for better and timely resource allocation. For example, directed patrols can focus in areas where gun fire is habitually detected.

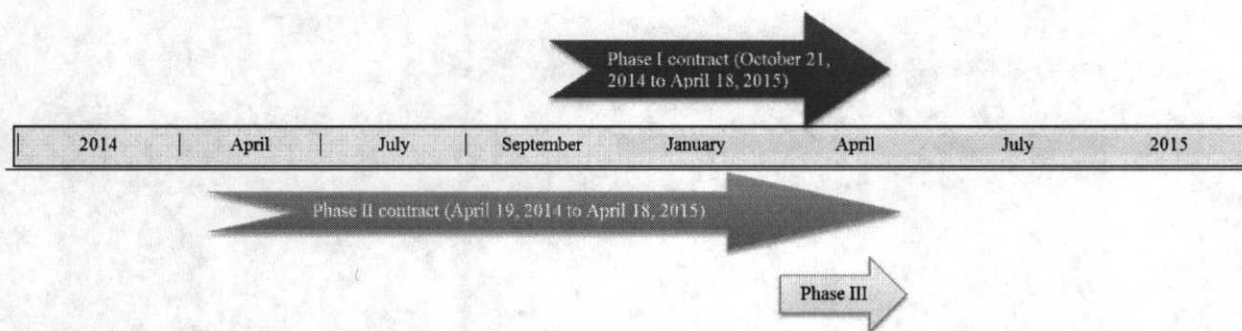
In accordance with the March 4, 2014 vote by the City Council the ShotSpotter system will not be connected to the Domain Awareness Center (DAC).

ANALYSIS

Phase I's maintenance contract expired on October 20, 2014, per Resolution No. 80075 C.M.S.. Staff recommends extending the maintenance coverage through April 18, 2015, in order to align with Phase II's maintenance contract and the potential implementation of Phase III. Aligning Phases I and II maintenance contracts will improve contract renewal and budgeting efficiencies.

The proposed expansion area (Phase III) covers approximately 2.78 square miles and includes portions of downtown Oakland (Jack London Square to 27th Street), Cleveland Heights (east of Lake Merritt to I-580 and Park Boulevard) and Maxwell Park (east of High Street to I-580 and Mills College). The expanded system will cover 15.38 square miles (***Attachment A***).

Once Phase III is approved, SST, Inc. will require approximately four months for planning and establishing Memorandum of Understandings (MOU) with property owners where proposed sensors would be located. OPD anticipates an additional three months to complete installation, wiring, and testing. Phase III's projected go-live date is April 15, 2015.



PUBLIC OUTREACH / INTEREST

“The communities most affected by gunfire are least likely to call it in. With fewer than 1 in 5 shooting incidents reported to 9-1-1, gun crime is vastly underreported. When 9-1-1 calls are made, unfortunately the information provided is typically inaccurate. Without knowing exactly where to respond, police waste valuable time and resources driving block by block looking for evidence as criminals escape the scene. Dispatching officers to an active shooting without all available intelligence is a threat to officer safety and needlessly places the public at risk.”¹

Expanding the ShotSpotter system will provide another tool for OPD that will act as a force multiplier and increase the likeliness of apprehending subject(s) involved in gun-related violent crime. OPD posts ShotSpotter data monthly on its website (www.oaklandpolice.com, on the left side of the page, under “Our Services,” click on “Crime Statistics”) to enhance transparency and accountability. A copy of the most recent (July 2014) statistics is attached to this report (*Attachment B*).

COORDINATION

The Budget Division and the City Attorney’s Office were consulted during preparation of this report.

¹ SST, Inc. website: <http://www.ShotSpotter.com>

COST SUMMARY / IMPLICATIONS

Phase III Expansion Costs

Coverage Area	Area (mi ²)	Total for 1 st Year (includes Startup Fees)
Maxwell Park (Figure 2)*	0.33	\$14,850
Cleveland Heights (Figure 3)*	0.30	\$13,500
Downtown (Figure 4)*	2.15	\$18,250
TOTAL	2.78	\$146,600

* See Attachment A for map outline

Phase I Maintenance Contract

Phase	Area (Sq. Miles)	Annual Maintenance	Maintenance Funds	Notes
I	6.0	\$84,000	\$41,425	10/21/14 – 4/18/15
I	6.0	\$84,000	\$168,000	two 1-year extensions (if needed)
TOTAL			\$ 209,425	

During the FY2014-15 mid-cycle budget process, City Council appropriated \$494,600 for ShotSpotter (\$348,000 for ongoing expenses and \$146,600 for the Phase III expansion).

This project will be funded through the General Purpose Fund (1010), Information Technology Unit Org. (106410), Contract Services Account (54919), Projects (P459310 and 0000000), Agency-wide Administration Program (PS01). The Ceasefire Program Director and the OPD Technology and Property & Evidence Manager will monitor this system.

PAST PERFORMANCE, EVALUATION AND FOLLOW-UP

Tracking number of homicides alone does not reveal the true scope of gun crime. For every homicide committed with a gun, there can be upward of 100 gunfire incidents. To make neighborhoods safe, it is essential to employ a system that delivers accurate and real-time picture of gun crime. A recent audit of data from the current ShotSpotter system data indicates a gun is fired every 124 minutes in Oakland. Each system activation involves approximately four (4) rounds fired. In 2013, a total of 16,557 rounds (about 45 rounds per day) of ammunitions were fired in the covered areas.

SST, Inc.'s forensic reports have provided evidence to support criminal cases as well as evidence in liability cases for the City such as officer involved shootings. In 2013, SST, Inc. completed 17

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reports for OPD that provided law enforcement and criminal justice professionals with detailed audio and incident analysis. These reports contain court-admissible evidence and are used frequently in court cases and prosecutions. SST, Inc. also provides expert testimony to review details of the reports and technical expertise on the technology as part of the maintenance contract.

SUSTAINABLE OPPORTUNITIES


Economic: Timely response to crime scenes and improved crime analysis capability will result in resource optimization. OPD can focus efforts on crime trends and patterns while enhancing police services delivery. This will provide a safer atmosphere for Oakland residents and businesses.

Environmental: There are no environmental issues associated with this report.

Social Equity: Continued utilization of the SST, Inc.'s ShotSpotter System will increase the likelihood of apprehending suspects involved in gun-related crimes in those areas serviced by the system. Shot Spotter data is accessible to the community on OPD website.

For questions regarding this report, please contact Gary Chan, Technology and Property & Evidence Manager at (510) 238-3074.

Respectfully submitted,


Sean Whent For COP
Chief of Police
Oakland Police Department

Prepared by:
Gary Chan
Technology and Property & Evidence Manager
Oakland Police Department

Attachment A – ShotSpotter coverage area map
B – City of Oakland ShotSpotter Report – August 2014

- Resolution

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Attachment A

Shot Spotter Existing [dark outline] and Proposed Expansion [light outline] Coverage Areas

Phase I (Activated in 2006): 6.2 square miles

East Oakland: East of High Street to 106th Avenue
West Oakland: East of Highway 980 to Frontage Road

Phase II (Activated in 2013): 6.4 square miles

East Oakland: West of High Street to Park Boulevard
North Oakland: North of Highway 580 to Alcatraz Avenue

Phase III (proposed): 2.78 square miles

Downtown Oakland: Jack London Square to about 27th Street
Cleveland Height area: East of Lake Merritt to Highway 580 & Park Boulevard
Maxwell Park: East of High Street to Highway 580 & Mills College





CITY OF OAKLAND SHOT SPOTTER REPORT

August 2014

Shot Spotter Data

Incident Type	July	August	% Change	August 2013
Total Incidents Captured	247	284	15%	438
Multiple Gunshots	197	192	-3%	250
Single Gunshot	31	62	258%	143
Possible Gunshot(s)	19	30	58%	45

Reported Incidents

Incident Type	July	August	% Change
Monthly Homicide Count	7	1	-86%
Assault with a Deadly Weapon – Firearm	48	42	-13%
Gunshot Calls To Dispatch (Citywide)	374	230	-39%

Most Active Beats

Gunshot Calls

BEAT	COUNT
25X	16
21Y	15
29X	12
06X	9
02X	8
27X	8
32Y	8
17Y	7
24X	7

Shot Spotter Calls

BEAT	COUNT
30X	31
34X	27
35X	23
32X	21
27X	20
24X	17
21Y	15
27Y	12
30Y	12

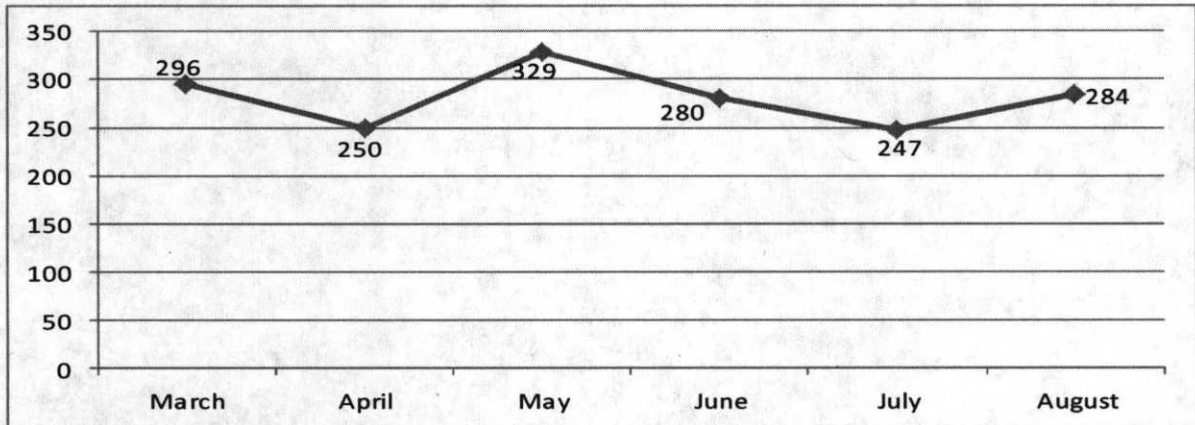
Combined Calls

BEAT	COUNT
30X	36
34X	32
21Y	30
27X	28
35X	27
24X	24
32X	24
32Y	17

*Shot Spotter coverage is not citywide, gunshot calls is citywide

Incidents by Day of Week and Time of Day

Day of Week	COUNT	TIME OF DAY	COUNT
Monday	40	0000-0259	111
Tuesday	20	0300-0559	17
Wednesday	26	0600-0859	1
Thursday	27	0900-1159	7
Friday	29	1200-1459	5
Saturday	80	1500-1759	3
Sunday	62	1800-2059	11
Blank	0	2100-2359	86



August 2014

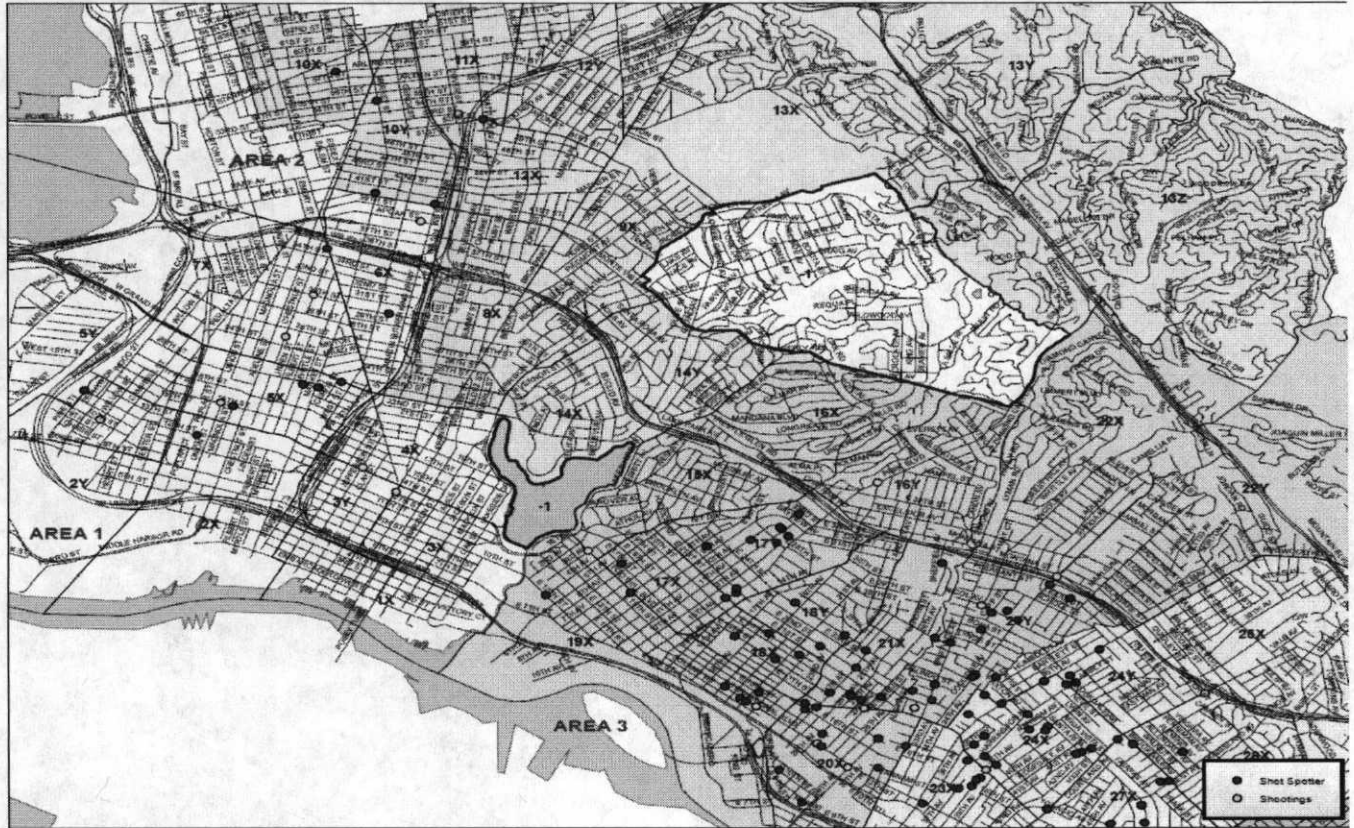
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WEST OAKLAND (Area's 1-3) SHOT SPOTTER INCIDENTS

Area 1: 9 Incidents

Area 2: 5 Incidents

Area 3: 57 Incidents



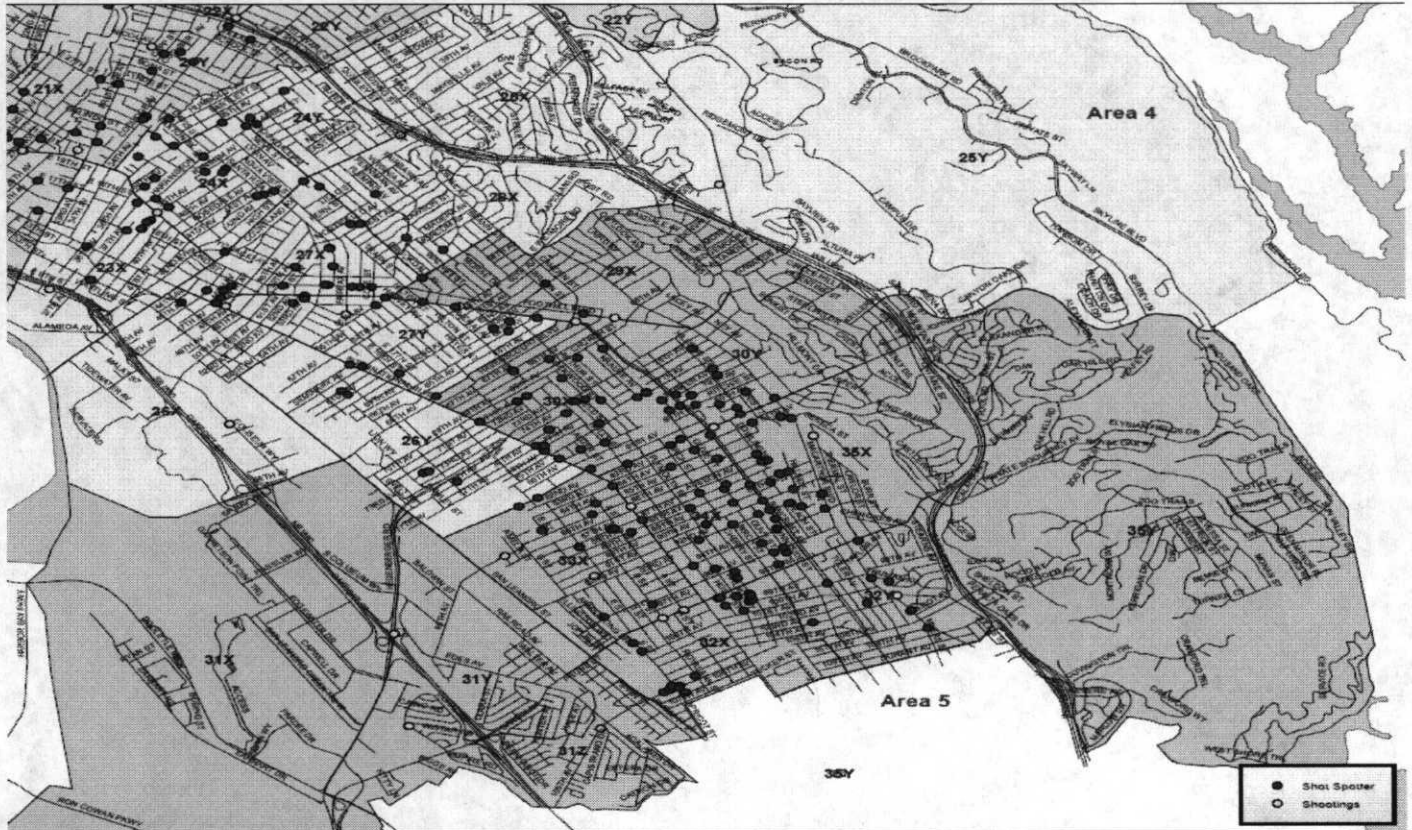
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EAST OAKLAND SHOT SPOTTER INCIDENTS

Area 4: 72 Incidents

Area 5: 141 Incidents

Unknown Beat: 0



*More than one sensor may pick-up a single incident

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OAKLAND CITY COUNCIL

Deirdra Hayes
City Attorney

2014 OCT 15 PM 3:27
RESOLUTION No. _____ C.M.S.
Introduced by Councilmember _____

RESOLUTION AUTHORIZING THE CITY ADMINISTRATOR OR DESIGNEE TO ENTER INTO AN AGREEMENT WITH SST, INC. TO: 1) EXPAND THE SHOTSPOTTER COVERAGE AREA (PHASE III), IN AN AMOUNT NOT TO EXCEED \$146,600.00; 2) EXTEND COVERAGE FOR THE PERIOD OF OCTOBER 21, 2014 TO APRIL 18, 2015 (PHASE I), IN A PRO-RATED AMOUNT NOT TO EXCEED \$41,425.00, WITH AN OPTION TO RENEW FOR TWO ADDITIONAL ONE-YEAR TERMS AT A COST OF \$84,000.00 ANNUALLY, FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED \$356,025.00; AND 3) WAIVING THE COMPETITIVE REQUEST FOR PROPOSAL / QUALIFICATIONS (RFP/Q) PROCESS, THE ADVERTISING AND BIDDING REQUIREMENTS, AND LOCAL AND SMALL LOCAL BUSINESS (L/SLB) ENTERPRISE PROGRAM PROVISIONS FOR THE CONTRACTS WITH SST, INC.

WHEREAS, the ShotSpotter gunshot location technology currently in use in the City of Oakland has proven to be a valuable tool for the Oakland Police Department (OPD) in the accurate deployment of police personnel and the reduction in the response time by police to the scene of a gunfire incident; and

WHEREAS, the City Council desires to enter into a Professional Services Agreement with SST, Inc., for the period of April 19, 2014 through April 18, 2016, in an amount not to exceed \$146,600, for the expansion of the City's ShotSpotter gunshot detection system (Phase III), as well as funds up \$209,425 to cover maintenance contracts for the current ShotSpotter technology system (Phase I) now in use in the City; and

WHEREAS, on June 8, 2006 and again on July 10, 2006, the City Council, by Resolution Nos. 80007 C.M.S. and 80057 C.M.S., respectively, authorized OPD to enter into an agreement with ShotSpotter, Inc., now known as SST, Inc., for the initial ShotSpotter coverage area (Phase I); and

WHEREAS, on October 4, 2011, the City Council, by Resolution No. 83580 C.M.S., authorized OPD to enter into a Professional Services Agreement with SST, Inc., for an annual subscription fee of \$84,000 per year, and the current contract extension for maintenance on the existing ShotSpotter technology system expires on October 20, 2014; and

WHEREAS, the OPD desires to extend the subscription contract with SST, Inc. for the period of October 21, 2014 through April 18, 2015, at a pro-rated annual cost of \$41,425, with an option to renew for two additional one-year terms at an annual cost of \$84,000 per year; and

WHEREAS, during the Fiscal Year 2014-15 Adopted Mid-cycle Budget process, City Council appropriated \$494,600 to the Oakland Police Department General Purpose Fund (1010) budget for ShotSpotter (\$146,600 for the Phase III expansion and \$348,000 for ongoing expenses); and

WHEREAS, SST, Inc. is the only vendor proven to have time tested technology that has been independently tested and proven by the US Department of Justice (US/DOJ); and

WHEREAS, OPD and other City staff have determined that SST, Inc. is the only contractor which has demonstrated an ability to implement a gunshot detection system capable of providing the gunshot detection system coverage as will be required by the proposed agreement with the City of Oakland; and

WHEREAS, Oakland Municipal Code section 2.04.051.B permits the Council to waive the request for proposal/qualifications ("RFP/Q") requirements upon a finding that it is in the best interest of the City to do so; and

WHEREAS, Oakland Municipal Code section 2.04.050.1.5 permits the Council to waive the advertising and bidding requirements upon a finding that it is in the best interest of the City to do so; and

WHEREAS, staff recommends that it is in the best interests of the City to waive the RFP/Q process, advertising and bidding requirements, and the local and small local business enterprise program process and provisions so that the Oakland Police Department can enter into a professional services agreement with ShotSpotter to provide gunshot detection location, analysis, and forensic testimony to the City; now, therefore be it

RESOLVED: That the City Council hereby authorizes the City Administrator, or designee, to enter into a Professional Services Agreement with SST, Inc., for the period of October 21, 2014 through April 18, 2016, in an amount not to exceed \$146,600, for the expansion of the City's ShotSpotter gunshot detection system; and be it

FURTHER RESOLVED: That the City Council hereby authorizes the City Administrator, or designee, to enter into a Professional Services Agreement with SST, Inc. for the period of October 21, 2014 through April 18, 2015, in an amount not to exceed \$41,425, for the extension of subscription services for ShotSpotter (Phase I), with two additional one-year options to renew at \$84,000 per year; and be it

FURTHER RESOLVED: That pursuant to Oakland Municipal Code sections 2.04.051.B and 2.04.051.1.5, for the reasons stated above and in the City Administrator's report accompanying this resolution, that it is in the City's best interests to waive the advertising and bidding requirements and the request for RFP/Q process for the products and services to be purchased under this proposed contract and so waives such requirements; and be it

FURTHER RESOLVED: City Council appropriated \$494,600 for ShotSpotter (\$348,000 for ongoing expenses and \$146,600 for the Phase III expansion) during the FY2014-15 mid-cycle budget process to fund this project; and be it

FURTHER RESOLVED: That this project shall be funded from the General Purpose Fund (1010), Information Technology Unit Org. (106410), Contract Services Account (54919), Projects (P459310 and 0000000), Agency-wide Administration Program (PS01); and be it

FURTHER RESOLVED: that the City Council hereby waives the Local and Small Local Business Enterprise Program (L/SLB) Provisions for the proposed contract with SST, Inc.; and be it

FURTHER RESOLVED: That the City Administrator, or designee, is hereby authorized to complete all required negotiations, certifications, assurances, and documentation required to accept, modify, extend and/or amend the proposed agreement with SST, Inc.; and be it

FURTHER RESOLVED: That the City Attorney shall review and approve said proposed Professional Services Agreement with ShotSpotter Inc., as to form and legality and a copy of the fully executed agreement shall be placed on file with the Office of the City Clerk.

IN COUNCIL, OAKLAND, CALIFORNIA, _____

PASSED BY THE FOLLOWING VOTE:

AYES - BROOKS, GALLO, GIBSON MCELHANEY, KALB, KAPLAN, REID, SCHAAF and
PRESIDENT KERNIGHAN

NOES -

ABSENT -

ABSTENTION -

ATTEST: _____
LaTonda Simmons
City Clerk and Clerk of the Council
of the City of Oakland, California