



FILED
OFFICE OF THE CITY CLERK
OAKLAND

2016 MAR 10 PM 12:46

AGENDA REPORT

TO: Sabrina B. Landreth
City Administrator

FROM: Sean Whent
Chief of Police

SUBJECT: ShotSpotter Contract Extension

DATE: February 18, 2016

City Administrator Approval

Date:

3/9/16

RECOMMENDATION

Staff Recommends That The City Council Approve A Resolution: 1) Authorizing The City Administrator To Enter Into An Agreement With SST, Inc. For Gunshot Detection Services That Will Consolidate All Three Shotspotter Phase Area Programs Into A Consolidated Contract On An Annual Basis From April 19, 2016 To April 18, 2017, At A Cost Of Four Hundred Ninety Four Thousand Six Hundred Dollars (\$494,600.00) Per Year, With An Option To Renew For Three Additional One-Year Terms, For A Total Contract Amount Not To Exceed One Million Nine Hundred Seventy Eight Thousand Four Hundred Dollars (\$1,978,400); And 2) 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 Agreement With SST, Inc.

EXECUTIVE SUMMARY

ShotSpotter enhances the ability of the Oakland Police Department (OPD) to provide the Oakland residents with a long-term crime deterrence tool – awareness of all gunfire incidents. Cumulative data collection of these gunfire incidents enables proactive crime analysis and strategic deterrence. An extension of the current maintenance and data analysis contracts (Phase I, II, and III) with SST, Inc., the provider of the ShotSpotter System, will provide OPD with continuous use of the ShotSpotter system including the response tool, investigative module, community awareness tool, and gunshot predictor. Consolidating all three phases' maintenance contracts' end-dates into one new contract will also optimize the City's budgeting process and the ShotSpotter system would be maintained without disruptions.

The new contract will last from April 19, 2016 To April 18, 2017, with three one-year renewal options. The City Council approved \$820,000 in one time funds and \$84,000 annually in ongoing funds for Shotspotter in the FY 2015-17 Policy Budget. OPD will request additional funding to continue the program for the 2018 and 2019 renewal option years (\$430,332 in April, 2018 and \$494,600 in April 2019), if this resolution is approved.

Item: _____
Public Safety Committee
March 22, 2016

BACKGROUND / LEGISLATIVE HISTORY

Table 1: City of Oakland ShotSpotter Phase Implementation

Year	2008							2009				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 80007 C.M.S											
Phase II												
Phase III												
Year	2009							2010				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 80007 C.M.S											
Phase II												
Phase III												
Year	2010							2011				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 80007 C.M.S											
Phase II												
Phase III												
Year	2011							2012				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 80007 C.M.S				Resolution No. 83580 C.M.S							
Phase II												
Phase III												
Year	2012							2013				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 83580 C.M.S											
Phase II					Resolution No. 84058 C.M.S							
Phase III												
Year	2013							2014				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 83580 C.M.S											
Phase II	Resolution No. 84058 C.M.S											
Phase III												
Year	2014							2015				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 83580 C.M.S											
Phase II	Resolution No. 84058 C.M.S											
Phase III					Resolution No. 85254 C.M.S							
Year	2015							2016				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Resolution No. 83580 C.M.S											
Phase II	Resolution No. 84058 C.M.S											
Phase III	Resolution No. 85254 C.M.S											
Year	2016							2017				
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Proposed Resolution for all three Phases											
Phase II												
Phase III												

see next row

see next row

Table 1 Continued: City of Oakland Shotspotter Phase Implementation

Year	2017						2018					
Month	Jun	Jul	Aug	Sep	Oct	Nov	December	January	February	March	April	May
Phase I	Shotspotter Consolidated Phases 1st Year Renewal Option											
Phase II												
Phase III												

OPD entered into the original contract with SST, Inc. in 2006 (Resolution No. 80075 C.M.S.) for the purposes of piloting the gunshot detection system. OPD purchased ShotSpotter equipment with this first system and a limited duration maintenance contract. The initial ShotSpotter system (Phase I) covered 6.2 square miles of the City. Eventually, the Phase 1 system needed repairs after the original maintenance contract expired; the system was repaired and reactivated through a new Phase I maintenance contract 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). Phase III consisted of 2.78 square miles coverage area and it was approved in 2014 (Resolution No. 85254 C.M.S.) and begun detections on September 28, 2015. Table 1 above illustrates the timeline in which the three phases have been implemented with different Council resolutions. Table 1 also shows how all three phases would be combined with a new resolution for one consolidated contract that begins in May 2016.

The total coverage area for the current ShotSpotter system comprises 15.38 square miles or approximately 25 percent of the City. The Oakland Housing Authority contributed \$150,000 toward the Phase II expansion (Resolution No. 84119 C.M.S.).

ANALYSIS AND POLICY ALTERNATIVES

How Shotspotter Supports OPD Operations

The ShotSpotter system helps OPD both as a crime fighting tool and as a community partnership building resource. ShotSpotter has two major components: 1) Gunshot Notifications (ShotSpotter Flex™ Alert); and 2) Investigative Component (ShotSpotter Flex™ Investigator Portal). The ShotSpotter Flex instantly notifies officers of gunshots in progress with real-time data delivered to the OPD Communications Section and patrol vehicles. This service enhances officer safety and effectiveness through:

- Real-time access to maps of shooting locations and gunshot audio;
- 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; and
- Simultaneous email notification of detected activations with shooting location maps and associated audio.

The Shotspotter Flex Alert also provides OPD with data that can be used to reach out to neighbors in areas where shots are being fired. Officers use this information to ask community members what they know related to shots being fired; but these initial meetings related to gunfire also serve as initiates for greater contact between residents and OPD officers.

The ShotSpotter Investigator Portal (IP) provides intelligent analysis which enables OPD to undertake proactive policing strategies. The IP 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 (Resolution No. 84869 C.M.S.) approved by the City Council, the ShotSpotter System is not be connected to the Domain Awareness Center (DAC).

The maintenance contracts for Shotspotter Phase I (Resolution 83580 C.M.S.), Phase II (Resolution 84058 C.M.S.), and Phase III (Resolution 85254 C.M.S.), will all expire in April, 2016. Staff recommends consolidating all three geographic phases (**Attachment A**) into one maintenance contract. Shotspotter has provided an identical type of service as outlined in the different contracts and stipulated by different passed resolutions. The exact size and scale of each Phase differs, but the type of acoustical triangulation, audio analysis and communication with the City is the same. Therefore, OPD believes that one contract that covers all three Phases will best serve OPD in maintaining this crime fighting technology.

FISCAL IMPACT

The table below outlines the individual annual costs for the three phases, which staff is recommending be combined into a one-year contract agreement with Shotspotter. The total three-Phase annual cost for the first year, as well as the three one-year options, would be approximately \$494,000; the second table below provides a specific analysis of the annual costs totaling \$1,912,932 over four years.

Phase	Area (Sq. Miles)	Annual Maintenance
I	6.20	\$ 84,000
II	6.40	\$ 264,000
III	2.78	\$ 146,600
	Annual Total:	\$494,600
	4-years Total:	\$1,912,932

Phase III did not begin monitoring until September 28, 2015 and Resolution No. 85254 C.M.S. authorized coverage through September 27, 2016. The amount paid for coverage from September 28, 2017 to April 17, 2018 is prorated. Below is a summary of future payments for clarification:

Coverage Period	Payment Dates	Phase I	Phase II	Phase III	Annual Payments
April 18, 2016 to April 17, 2017	April 18, 2016	\$84,000	\$264,000		\$494,600
Sept. 28, 2016 to Sept. 27, 2017	Sept. 28, 2016			\$146,600	
Sept. 28, 2017 to April 17, 2018	Sept. 28, 2016			\$81,132	
April 18, 2017 to April 17, 2018	April 18, 2017	\$84,000	\$264,000		\$429,132
April 18, 2018 to April 17, 2019	April 18, 2018	\$84,000	\$264,000	\$146,600	\$494,600
April 18, 2019 to April 17, 2020	April 18, 2019	\$84,000	\$264,000	\$146,600	\$494,600
					\$1,912,932

The City Council approved \$820,000 in one time funds and \$84,000 annually in ongoing funds for Shotspotter funding in the Approved Fiscal Year 2015-17 Policy Budget. This combined amount of \$988,000 in the Approved Fiscal Year 2015-17 Policy Budget will cover the annual cost of the three-phase consolidated contract through FY 2016-17. OPD will need to request additional funding in their budget request to the City Administrator for the FY 2017-19 Policy Budget (see table below) to continue to fund the Shotspotter program.

Payment Date	Payment Amount	Currently Funded Amount	Net Remainder	Annual Need For Additional Funding
April 18, 2016	\$494,600	\$988,000 ¹	\$493,400	
April 18, 2017	\$429,132	\$0	\$64,268	
April 18, 2018	\$494,600	\$0	(\$430,332)	\$430,332
April 18, 2019	\$494,600	\$0	(\$924,932)	\$494,600

¹ \$820,000 in one-time funding + \$84,000 per year, in ongoing funding per the Approved FY2015-17 Policy Budget

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."²

The ShotSpotter system provides another valuable tool for OPD that acts as a force multiplier and increases the likeliness of apprehending subject(s) involved in gun-related violent crime. OPD posts ShotSpotter data monthly on its website (<http://www.oaklandpolice.com>, on the left side of the page, under "About Us," click on "Public Reports") to enhance transparency and accountability.

COORDINATION

The OPD Ceasefire Division, the Budget Office, the Controllers Bureau, and the City Attorney's Office were consulted during preparation of this report.

PAST PERFORMANCE, EVALUATION AND FOLLOW-UP

Tracking the 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 an accurate and real-time picture of gun shots. A recent data audit from the current ShotSpotter system shows that in 2015 there was a total of 17,155 gun rounds fired in 3,646 separate gunfire incidents, for an average of 47 daily rounds fired, or 9.98 separate daily gunfire incidents.

If celebratory gunfire data (January 1, July 4-5, and December 31) were discounted, the adjusted statistics would be:

- 3,408 total gunfire incidents
- 15,589 total rounds of gunfire
- average of 4.5 rounds fired per incident, per day
- average of 9.4 gunfire incidents, per day
- average of 43.2 rounds fired, per day

See **Attachment B** for a list of 2015 monthly activation summary and heat map in Oakland.

² SST, Inc. website: <http://www.ShotSpotter.com>

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 2015, SST, Inc. completed 26 detailed forensic 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.

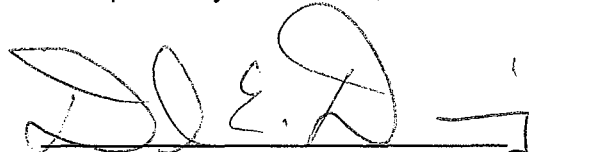
Social Equity: All Oakland residents and visitors benefit from enhanced public safety. Efforts to confront and deter gun crime will improve the quality of life for all people in Oakland; however, residents and visitors in areas of Oakland where gun shots occur more frequently may accrue even more benefits from these gunshot deterrence efforts. Continued utilization of the ShotSpotter System will increase the likeliness of apprehending suspects involved in shootings or violent crime, thus improving the quality of life in the most affected areas.

ACTION REQUESTED OF THE CITY COUNCIL

Staff Recommends That The City Council Approve a Resolution Authorizing The City Administrator To: 1) Enter Into An Agreement With SST, Inc. For Gunshot Detection Services; 2) To Consolidate All Three Phases Into A Consolidated Contract On An Annual Basis From April 19, 2016 To April 18, 2017, In An Amount Not to Exceed \$ 494,600.00, With An Option To Renew For Three Additional One-Year Terms At A Cost Of \$ 494,600.00 Annually, For A Total Contract Amount Not To Exceed \$ \$1,912,932.00; 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.

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

Respectfully submitted,


Sean Whent ACTING FOR C.O.P.
Chief of Police
Oakland Police Department

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

Bruce Stoffmacher, Legislation Manager
OPD, Research and Planning, OCOP

Attachments (2):

- A – ShotSpotter Coverage Area Map
- B – 2015 Monthly ShotSpotter Activations and Heat Map

Attachment A - Shot Spotter Coverage Areas

Phase I (horizontal-lined area) (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 (dotted-area) (Activated in 2013): 6.4 square miles

East Oakland: West of High Street to Park Boulevard

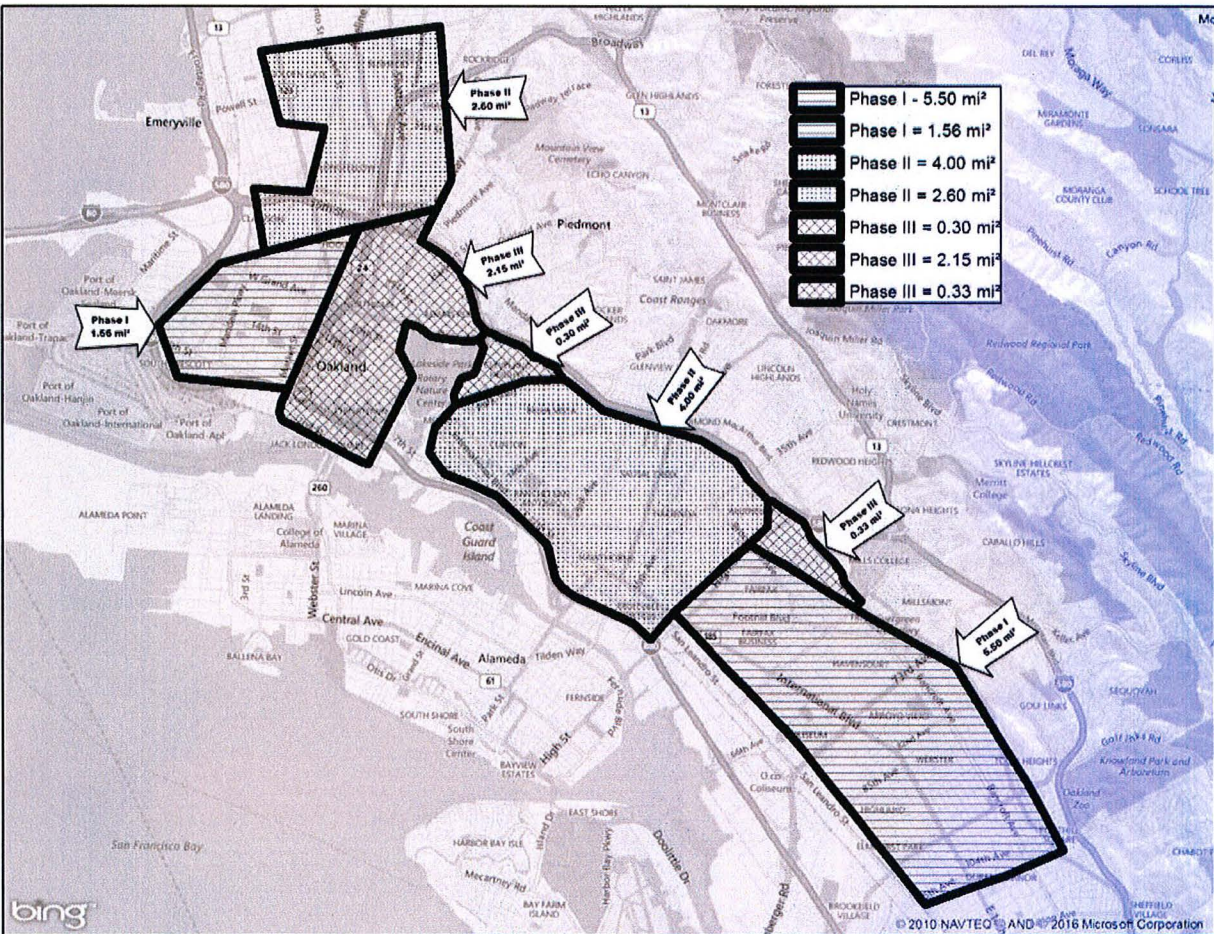
North Oakland: North of Highway 580 to Alcatraz Avenue

Phase III (cross-hatched area) (Activated in 2016): 2.78 square miles

Downtown Oakland: Jack London Square to about West MacArthur Boulevard

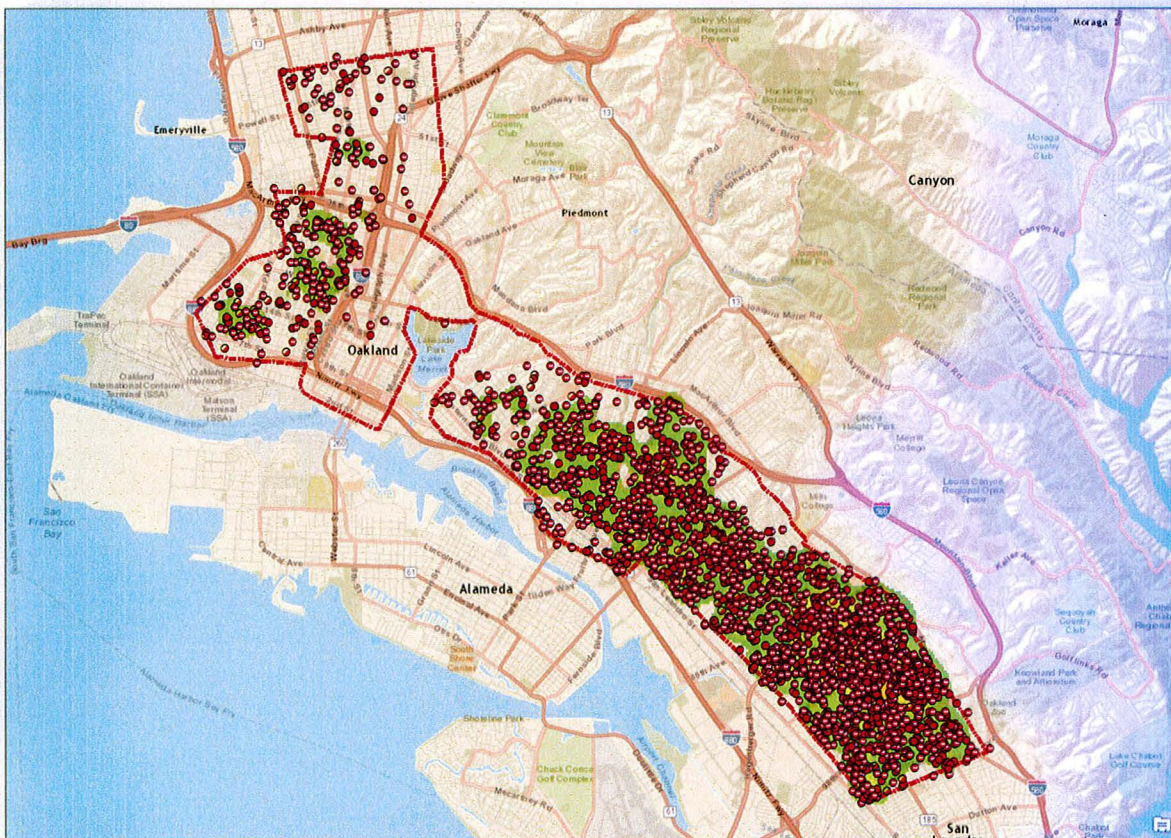
Cleveland Height area: East of Lake Merritt to Highway 580 & Park Boulevard

Maxwell Park: East of High Street to Highway 580 & Mills College



Attachment B – 2015 ShotSpotter Activations (by Month) and Heat Map (Annual Activity)

Month of Date	Multiple Gunshots	Single Gunshot	Possible Gunfire	Grand Total
January	355	97	19	471
February	190	74	29	293
March	204	58	24	286
April	181	43	16	240
May	195	67	20	282
June	214	50	25	289
July	224	44	39	307
August	234	65	43	342
September	188	41	25	254
October	167	59	16	242
November	209	56	19	284
December	278	56	22	356
Grand Total	2,639	710	297	3,646



FILED
OFFICE OF THE CITY CLERK
OAKLAND

OAKLAND CITY COUNCIL

Arnold Solt
City Attorney

2016 MAR 10 PM 12:46
RESOLUTION No. _____ C.M.S.

Introduced by Councilmember _____

RESOLUTION: 1) AUTHORIZING THE CITY ADMINISTRATOR TO ENTER INTO AN AGREEMENT WITH SST, INC. FOR GUNSHOT DETECTION SERVICES THAT WILL CONSOLIDATE ALL THREE SHOTSPOTTER PHASE AREA PROGRAMS INTO A CONSOLIDATED CONTRACT ON AN ANNUAL BASIS FROM APRIL 19, 2016 TO APRIL 18, 2017, AT A COST OF FOUR HUNDRED NINETY FOUR THOUSAND SIX HUNDRED DOLLARS (\$494,600.00) PER YEAR, WITH AN OPTION TO RENEW FOR THREE ADDITIONAL ONE-YEAR TERMS, FOR A TOTAL CONTRACT AMOUNT NOT TO EXCEED ONE MILLION NINE HUNDRED SEVENTY EIGHT THOUSAND FOUR HUNDRED DOLLARS (\$1,978,400); AND 2) 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 AGREEMENT WITH SST, INC.

WHEREAS, on June 8, 2006, the City Council, by Resolution Nos. 80007 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 April 18, 2016; and

WHEREAS, on October 2, 2012, the City Council, by Resolution No. 84058 C.M.S., authorized OPD to enter into a Professional Services Agreement with SST, Inc. to expand Shot Spotter system (phase II), for an annual subscription fee of \$264,000 per year, and the current contract extension for Shot Spotter System maintenance expires on April 18, 2016; and

WHEREAS, on October 15, 2014, the City Council, by Resolution No. 85254 C.M.S., authorized OPD to expand ShotSpotter coverage (Phase III) for \$146,600 from October 21, 2014 through April 18, 2016; and

WHEREAS, the City Council approved \$820,000 in one time funds and \$84,000 annually in ongoing funds for Shotspotter funding in the Approved Fiscal Year 2015-17 Policy Budget; and

WHEREAS, SST, Inc. is the only vendor offering gunshot detection systems which utilize multi-acoustic-sensor systems that calculate the geolocation of subsonic and supersonic sounds, including handguns fired at close range, in weapon firings in 360 degree space over 10s of square miles, which delivers real-time, actionable information critical to crime deterrence and response; and

WHEREAS, OPD and other City staff have determined that SST, Inc. is the only vendor which has demonstrated an ability to implement a gunshot detection system capable of providing the geographic coverage of Oakland's three Phase areas; and

WHEREAS, Oakland Municipal Code section 2.04.020.B requires Council approval of contracts for technology-related professional services in excess of \$15,000; and

WHEREAS, Oakland Municipal Code section 2.04.051.A requires the City Administrator to conduct a request for proposals/qualifications (RFP/Q) process for professional services contracts in excess of \$25,000 and Oakland Municipal Code Section 2.04.051.B authorizes the City Council to waive the Request for Proposals/Qualifications requirements after a finding and determination that it is in the best interests of the City to do so; and

WHEREAS, Oakland Municipal Code section 2.04.050.A requires the City Administrator to conduct advertising and bidding and award to the lowest responsible, responsive bidder for the purchase of products or goods, and Oakland Municipal Code section 2.04.050.I.5 allows Council to waive advertising and bidding requirements upon a finding by the Council that it is in the best interest of the City to do so; 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., to consolidate all three shotspotter phase area programs into a consolidated contract for the period of April 19, 2016 through April 18, 2017, for four hundred ninety four thousand six hundred dollars (\$494,600), for the monitoring services of the ShotSpotter gunshot detection system with the option to renew three additional one-year terms in an amount not to exceed \$1,978,400 (one million nine hundred seventy eight thousand four hundred dollars); and be it

FURTHER RESOLVED: That pursuant to Oakland Municipal Code sections 2.04.050.I.5 and 2.04.051.B, for the reasons stated above and in the City Administrator's report accompanying this resolution, that the City Council determines 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: That based on information provided by the City Administrator, the Council finds that this contract is of a professional and temporary nature and shall not result in the loss of employment or salary by any person having permanent status in the competitive civil service; and be it

~~**FURTHER RESOLVED:** City Council appropriated \$494,000 for ShotSpotter (phases I -III) during the FY2015-17 biennial budget process to fund this project under the General Purpose Fund (1010), Information Technology Unit Org. (106410), Contract Services Account (54919), Project (P459310 & A490810), 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, CAMPBELL WASHINGTON, GALLO, GUILLEN, KALB, KAPLAN, REID and PRESIDENT GIBSON MCELHANEY

NOES -

ABSENT -

ABSTENTION -

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