


Memorandum



Date: March 22, 2017

To: Honorable Chairman Esteban L. Bovo, Jr.
And Members, Board of County Commissioners

From: Carlos A. Gimenez
Mayor 

Subject: ShotSpotter Information

Pursuant to Commissioner Xavier L. Suarez's request for information regarding the ShotSpotter and its effectiveness, the following is provided.

ShotSpotter was solicited in 2012 for a pilot project in the Miami-Dade Police Department (MDPD), Northside District, and was deployed in a high crime area where the residents are often leery of calling the police due to fear of retribution. ShotSpotter's function is to provide real-time gunfire intelligence to officers in order to expedite response times and identify shootings, which would have otherwise not been reported. In addition, it affords officers the opportunity to process these shootings as crime scenes, with the ultimate goal of deterring crime and building community trust.

Statistical data shows there were 561 reported shootings alerted by ShotSpotter between March 1, 2012, and December 31, 2012, which is contrary to statistical data provided in the Miami New Times article, included with your request. Some of the issues reported by officers in 2012 include a delay with the alerts being dispatched, location inconsistency, and false positive alerts being received. A few of the false alerts were determined by the lack of a victim at the scene and others were attributed to cars back-firing or general loud noise. However, no statistical data for the number of false alerts received is available. Due in part to these claims, the usefulness of ShotSpotter for servicing a Department the size of MDPD came into question and they did not move forward with purchasing it.

Through technological advancements ShotSpotter has improved the sensitivity of their sensors to react to real gunfire and deliver precise location accuracy. The MDPD has also evolved technologically and now has several other solutions they believe will work in conjunction with ShotSpotter to identify crime scenes, subjects, and vehicles involved in these crimes. This includes a centralized monitoring location at the Real-Time Crime Center. The MDPD also has a program in place for all shootings wherein casings are collected which serves to link non-contact casings to those from contact shootings and serial shooters. None of these other systems were available or in place during the initial pilot period in 2012. Through market research and contact with other local agencies the MDPD has verified many of the improvements made by ShotSpotter making it a viable option for future proactive policing.

Additionally, the Board was provided with two reports regarding the ShotSpotter system in February and June 2015. The February 11, 2015 report, specifically addressed the concerns with the pilot program. The second report contained further information regarding improvements and market research. Moreover, the MDPD is in agreement with your proposal for safer affordable housing communities where you recommend the use of state-of-the-art lighting, surveillance cameras, and "advanced crime detection systems such as ShotSpotter Gunshot Detection and Location Service." Your proposals were part of the X-Plan for Housing, which is attached.

Honorable Chairman Esteban L. Bovo Jr.
And Members, Board of County Commissioners
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Should you require additional information, please contact MDPD Director Juan J. Perez at 305-471-3272.

Attachments (3)

1. X-Plan for Housing, Commissioner Xavier L. Suarez
2. Memorandum of February 11, 2015, Gunshot Detection Technology
3. Memorandum of June 24, 2015, Gunshot Detection Technology – Follow-up Information

c: Russell Benford, Deputy Mayor, Office of the Mayor
Juan J. Perez, Director, Miami-Dade Police Department



X-Plan for Housing

Creating a safe environment around affordable housing is my first priority for all residents of Miami-Dade County who are in need of housing assistance. I support the neighborhood-approach for the redevelopment of Liberty Square, and applaud the work Commissioner Audrey Edmonson has done to ensure that the process of renovating the housing facilities protects current, qualified residents. However, I must emphasize that, in order to truly preserve and strengthen communities, the rehabilitation of any area must include these five basic requirements:

I. Safety/Surveillance

We need to address emergency, safety and security needs at the properties and implement measures to fight crime and drug activity. Measures should include: (1) extensive, state-of-the-art lighting of public spaces; (2) surveillance cameras monitored by local police; (3) advanced crime detection systems such as ShotSpotter Gunshot Detection and Location Service, that use "acoustic sensors," are powerful microphones that track the exact location of gunshot-like sounds and instantly notify law enforcement officers. Additionally, all subsidized housing communities should have a neighborhood crime watch organization that is supported by the Miami-Dade Police Department.

II. Safe Harbor for Single Mothers

Safe zones for single mothers and their children need to be established. Dr. Marvin Dunn's vision to set aside a portion of all housing projects for households headed by single mothers, and to lift them up through mentorship and enrollment in programs for self-improvement and parenting skills, will give these families the tools to grow out of poverty (see attached summary of Safe Harbors). Establishing the presence of an officer in-residence will be a major deterrent to crime and drug activity and will help build trust among the residents.

III. Rent-to-Own Housing Program

Allowing residents the option to work towards homeownership, and equipping them for responsible ownership through financial education and first-time homeownership classes, encourages growth and appreciation of the home as an investment. As stated by several of my colleagues on the Board of County Commissioners, the enforcement of existing leases is also imperative.

IV. Sustainable Landscaping

Neighborhoods should be enhanced with trees and flowers, along with creative open spaces, that will encourage residents to enjoy the outdoor public spaces and most importantly take pride in their community.

V. Displacement

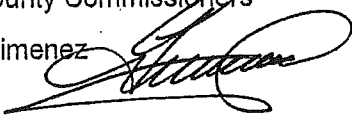
Displacement has historically been a devastating consequence of housing redevelopments. In addition to strategic temporary housing, and before initiating the process of moving the actual residents, case managers should assist with the prequalification of residents, in particular those who have issues that might preclude public or affordable housing eligibility.

These five standards for Liberty Square and all future housing developments will ensure that Miami-Dade County does not repeat its mistakes, but instead creates housing communities that enhance the quality of life for all of its residents.

Memorandum 

Date: February 11, 2015

To: Honorable Jean Monestime, Chairperson
Board of County Commissioners

From: Carlos A. Gimenez
Mayor 

Subject: Gunshot Detection Technology

The following information is being provided in response to Resolution R-1076-14 adopted by the Board of County Commissioners (Board) on December 2, 2014 to research implementation of a gunshot detection technology system in Miami-Dade County and to identify funding sources to purchase the system.

The Miami-Dade Police Department (MDPD) entered into an agreement with the Federal Bureau of Investigation (FBI) to participate in a pilot program using ShotSpotter from January 13, 2012 to December 31, 2012. The pilot was conducted in the Northside District of the County between NW 41 Street to 71 Street and NW 17 Avenue to NW 31 Court, encompassing approximately two (2) square miles. On May 21, 2013, an analysis of the pilot program was prepared by Major Stephanie V. Daniels which indicated that the initial coverage area was insufficient and the deployment time span should be expanded by at least two (2) years (analysis attached). The analysis also indicated that, for maximum efficiency, the gunshot detection technology system should be deployed in a minimum of three (3) high-profile areas within Miami-Dade County that are most affected by such incidents. MDPD statistical analysis indicates that the areas most affected are the Intracoastal, Northside, and South Districts.

MDPD continues to evaluate the implementation of the gunshot detection technology and its application in order to provide an implementation and purchasing recommendation. During the next several weeks, MDPD staff will be meeting with ShotSpotter representatives and subsequently with members of the Miami-Gardens Police Department to observe the use of the system. This observation and feedback will assist MDPD in developing a recommendation on the purchasing of a gunshot detection system. MDPD has advised that the estimated cost to implement this technology, including installation and maintenance, totals \$205,000.00 for the initial first year and \$150,000.00 for each subsequent year for each of the three (3) areas. The estimated total cost to implement the gunshot detection technology system for a period of two (2) years is projected at \$1,065,000.00.

I have directed Director J.D. Patterson to continue analyzing the possible purchase and implementation of a gunshot detection system and to provide a recommendation to me, including identifying funding source(s), within the next 60 days.

Per Ordinance 14-65, this memorandum will be placed on the next available Board of County Commissioners meeting agenda.

c: Robert A. Cuevas, Jr., County Attorney
Russell Benford, Deputy Mayor, Office of the Mayor
J.D. Patterson, Jr., Director, Miami-Dade Police Department
Charles Anderson, Commissioner Auditor
Christopher Agrippa, Clerk of the Board
Eugene Love, Agenda Coordinator

Memorandum



Date: May 21, 2013
To: J.D. Patterson, Director
Miami-Dade Police Department
Via: Chain-of-Command
From: Stephanie V. Daniels, Major
Northside District Commander
Subject: Executive Summary – ShotSpotter System Capital Outlay

Overview:

On January 13, 2012, the Miami-Dade Police Department (MDPD) entered into an agreement with the Federal Bureau of Investigation (FBI) to participate in the ShotSpotter Loaner Program for a period of at least one year. ShotSpotter is a wide-area acoustic surveillance and gunfire detection and location technology that identifies the location of gunfire through the triangulation of sound from sensors that have been strategically placed throughout the Northside District. The ShotSpotter System is a subscription based service available for renewal on a year-to-year basis. To date, the subscription fees for the use of the ShotSpotter Technology have been paid by the FBI, from a federal grant in an effort to reduce and prevent gun violence; however, the availability of the system provided under the current grant is scheduled to be terminated in November 2013. At that time, the continued use of the system will be predicated upon the MDPD entering into a contract for services with ShotSpotter.

Implementation:

The following steps were taken to ensure the maximum effectiveness of the system:

- An analysis of previous gunfire related incidents within the Northside District was performed, which revealed that the most frequent number of gunfire incidents were occurring in the southern part of the District. Based upon the statistical analysis, the most strategically advantageous location to place the ShotSpotter system was between 41 Street to 71 Street, Northwest 17 Avenue to Northwest 31 Court, encompassing approximately 2 square miles.
- Within the identified boundaries, consent was provided by public and private businesses, housing complexes, and utilities to install sensors on rooftops and utility poles. Currently, there are 16 sensors installed within the given boundaries.
- The Information Technology Services Bureau (ITSB) provided officers with the ability to bypass the established firewalls allowing access to ShotSpotter's alert services.

- ShotSpotter information and reports are included in weekly COMPSTAT meetings and assist officers and supervisors in tracking the areas and times that are experiencing the highest volume of incidents. This allows the District to make intelligence driven decisions on deployment of personnel.
- Beginning in June 2012, a suffix code of "ST" was implemented and has been utilized to identify all calls generated by the ShotSpotter alert system, regardless of the signal that applies; however, primarily ShotSpotter calls were identified by the signal "14ST".
- Officers were instructed to respond to all ShotSpotter calls and conduct an area canvas, in an attempt to locate possible victims, witnesses, subjects, and other items of evidentiary value.
- Officers are required to prepare an Offense/Incident Report indicating the date, time, and location of all ShotSpotter calls.

Assessment:

ShotSpotter promotes itself as an "effective and affordable method to detect, locate, respond to, and reduce gunfire throughout entire neighborhoods and communities." An assessment as to the effectiveness of the ShotSpotter system was conducted based upon the aforementioned claims by ShotSpotter and empirical evidence substantiating that the Northside District benefitted from its use.

The ShotSpotter system was marketed first and foremost as a gunfire detection system. Gunfire is detected when its sound is identified by at least three (3) of the established sensors, triggering an alert at the ShotSpotter National Data Center, where it is analyzed by an acoustic expert and qualified. The information then sends an alert to both the mobile laptops of officers signed on to the system and the dispatcher console at the Communications Bureau. The ability to detect gunfire is limited in scenarios in which gunfire takes place indoors, from inside of a vehicle, or is muffled to the extent where its sound is not audibly detected by the sensors. While the ShotSpotter has identified the majority of shooting incidents occurring within the boundaries, there were instances, which the ShotSpotter did not identify gunfire that it should have identified. A recent incident that occurred at 68 Street Northwest 18 Avenue, initial gunfire took place from inside of a vehicle and subsequent gunfire occurred outside when the subject exited the vehicle and shot the fallen victim.

There is not a mechanism in place for measuring false positives. ShotSpotter personnel analyze sounds consistent with gunfire and immediately categorize it as gunfire, possible gunfire, fireworks, etc. During 2012, the ShotSpotter system identified more than 1,000 gunfire incidents within the boundaries; however, there were less than 50 confirmed shootings within the area.

J.D. Patterson, Director
May 21, 2013
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It is unknown how many of the remaining incidents of gunfire were false positives or unreported incidents in which no one was struck, or the subjects were not firing a gun directly at another person.

While it is not known to what extent false positives of gunfire are alerted to by ShotSpotter, the system is responsible for alerting gunfire that may otherwise go unreported. The most advantageous aspect of the ShotSpotter system is identifying a specific area in which gunfire is most likely to occur. According to the 2012 annual evaluation, the ShotSpotter system identified the area of Northwest 46 Street and 23 Avenue as the area with the most occurrences of gunfire. The data provided by ShotSpotter appears to have provided an accurate assessment, as it coincides with known victims of gunfire incidents occurring in the area. In this instance, ShotSpotter is an invaluable resource in identifying the times of day and location in which gunfire is most likely to occur, thus allowing for the appropriate deployment and utilization of resources based specifically upon ShotSpotter data.

Another area in which the ShotSpotter System has been identified as advantageous is improving reporting times of gunfire incidents and consequently response times. A review of multiple confirmed shooting incidents that were reported both by ShotSpotter and from citizenry revealed that ShotSpotter alerts occurred in most instances a minute prior to its counterpart. A decrease of officer response to a gunfire related incident increases the likelihood of the apprehension of a subject and the recovery of evidence.

During a recent meeting, ShotSpotter, Southeast Region Director Mr. Phill Dailly presented statistics which indicated a drop in year-to-date gunfire related incidents from 2012 to 2013, of approximately 40 percent (405 compared to 240). Mr. Dailly presented the statistics as an indication of the system's effectiveness; however, the statistics alone do not take into consideration other possible contributing causes to the decrease in reported gunfire related incidents unrelated to the ShotSpotter system.

Providing specific instances in which the ShotSpotter system was responsible for the apprehension of a subject or the recovery of a firearm has proven difficult. A thorough review of previous reported incidents cited in the semi-annual and annual evaluation of the ShotSpotter system have revealed that in most instances the ShotSpotter system was not the primary contributing factor to the apprehension of shooting subjects or the recovery of evidence. Although there certainly have been cases in which the ShotSpotter system led to the apprehension of subjects and the recovery of firearms, a lack of reporting mechanism for identifying these cases was partly to blame as was the six month delay in providing a distinguishing signal, later determined to be "14ST" for all ShotSpotter related cases. The failure to create a log reflecting cases in which the ShotSpotter system has been beneficial to the investigation of a case has impeded efforts to provide specific examples of its successes.

Proposal for Continuation of Services:

On April 23, 2013, Mr. Dailly provided a Budgetary Price Proposal to the MDPD suggesting the expansion of the ShotSpotter system to include boundaries consisting of approximately 3.3 square miles and 3.6 square miles.

The proposed boundaries are contiguous to the current boundaries and encompass additional areas determined to be the next most common location of gunfire incidents outside of the current boundaries.

Proposal #1 extends the current boundaries north to Northwest 92 Street, and east to 17 Avenue, while reducing the western boundary north of 79 Street to 25 Avenue. The approximate one year cost as quoted is \$189,050 and \$151,650 for each year thereafter.

Proposal #2 extends Proposal #1's boundaries north to approximately Northwest 97 Street, and extends the east-west boundaries from 15 Avenue to 27 Avenue. The approximate one year cost as quoted is \$206,600 and \$163,800 for each year thereafter (See pages 10 and 11 of Budgetary Price Proposal to MDPD for further details).

Recommendation:

When the ShotSpotter system was initially implemented in the Northside District, the system had never been used before within Miami-Dade County; consequently, there were no success models to base our practices. In the 18 months since the implementation of the system, District personnel have a better idea of what is necessary to maximize the effectiveness of the ShotSpotter system.

Should the system continue to be funded, it is recommended that a squad of a minimum of four officers be dedicated to responding to all ShotSpotter calls and conducting all follow-up investigations, to include canvassing the location of all shooting incidents, knocking on doors in an attempt to identify witnesses, and establishing patterns of specific locations where shooting incidents are most likely to occur. The benefits of having dedicated personnel whose primary responsibility is the ShotSpotter program, guarantees that personnel will be logged on to the system at all times and available for a rapid response, while being free from activities that often detract from the monitoring of the ShotSpotter system. It is also beneficial for a dedicated analyst to be in place; specifically trained by ShotSpotter personnel to maximize the capabilities of the system, whose function is to provide analytic support for the squad.

Upon initial implementation, it was determined that the community would not be notified of the installation of the system nor its capabilities. In retrospect, it might be beneficial to publicize the implementation of the system while highlighting its capabilities.

J.D. Patterson, Director

May 21, 2013

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Doing so, may deter criminal activity and additional shooting incidents. ShotSpotter stands by the recommendation of participating Departments publicly acknowledging the system.

The ShotSpotter system has been beneficial to the Northside District in terms of identifying locations where shooting incidents are most likely to occur; however, its success in directly leading to the apprehension of individuals involved in shooting incidents has been minimal. A reduction of shooting incidents within Northside District since the implementation can not be directly attributed to the ShotSpotter system. While the system has been effective in some ways, one must weigh the cost of the system against its effectiveness in serving its purpose of reducing gunfire. Based upon available data used to determine its effectiveness, it is recommended that the current subscription to the service not be renewed when the grant is concluded by the FBI; however, should it be determined that the program will continue to be funded; it is recommended that consideration be given to the recommendations provided. Doing so, would increase the overall effectiveness of the program and provide the resources to effectively utilize the system.

SVD/zl
Attachment

142377

Director - Copy


Memorandum



Date: January 8, 2015

To: Carlos A. Gimenez, Mayor
Miami-Dade County

Via: Russel Benford, Deputy Mayor
Miami-Dade County

From: 
J.D. Patterson, Director
Miami-Dade Police Department

Subject: Gunshot Detection Technology

On Tuesday, December 2, 2014, the Miami-Dade County Commissioners requested, via Resolution R-1076-14, information regarding a gunshot detection technology system and its implementation within Miami-Dade County.

The attached response has been prepared for your review and signature.

JDP/md
Attachment

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Memorandum



Date:
To: Honorable Jean Monestime, Chairperson
Board of County Commissioners
From: Carlos A. Gimenez, Mayor
Miami-Dade County
Subject: Gunshot Detection Technology

Reference is made to the request from Miami-Dade County Commissioners to research the implementation of a gunshot detection technology system, as well as funding sources to support the purchase of the system.

The Miami-Dade Police Department (MDPD) had researched several gunshot detection technology systems. The studies revealed that gunshot detection technology systems had been utilized for 18 years. This technology has been proven to help law enforcement agencies respond faster to gunshot incidents, including those that are not reported. A corollary benefit is that emergency medical services will have a faster response, drawing a clear line between the gunshot detection technologies and saving lives.

Previously, the MDPD conducted a pilot program using ShotSpotter, from January 13, 2012, to December 31, 2012, in one small area of the County. An analysis of the executive summary memorandum, dated May 21, 2013, indicated that: the initial coverage area was insufficient, and the deployment time span should have been longer. It is recommended that for maximum efficiency, the gunshot detection technology system should be deployed in a minimum of three high-profile areas within Miami-Dade County, which are most affected by such incidents. Statistical analysis indicates that the areas most affected are Intracoastal, Northside, and South Districts. It is also recommended that the time frame should be at least two years.

The cost, including installation and maintenance, would be \$205,000 for the initial first year, and \$150,000 for each subsequent year, for each of the three areas, bringing the total cost to implement the gunshot detection technology systems for two years to \$1,065,000.

Thank you for your concern for the safety of our citizens. It is important that all stakeholders maintain such vigilance in order to "Deliver Excellence Every Day".

CAG/md

Rubiano-Sassone, Alexandra

From: Mc Cully, Annette
Sent: Sunday, December 07, 2014 7:48 PM
To: Bolinger Heller, Janna L.
Cc: Rubiano-Sassone, Alexandra; Montgomery, Joan S.
Subject: Gunshot Detection Technology System - ShotSpotter

Agenda Item #2C - 142377 – Resolution – Gunshot Detection Technology

Directing the Mayor or Mayor's designee to research implementation of gunshot detection technology system in Miami-Dade County as well as funding sources to support purchase of the system and to prepare and submit a report to the Board.

REPORT DUE – January 5, 2015

Please note – we have been advised that if Agenda Items are not completed on time, the respective Director will need to address the Commission.

Annette McCully
Executive Assistant to the Director
Miami-Dade Police Department
9105 NW 25 Street
Doral, FL 33172
(305) 471-3272 - office
(305) 970-2776 - cell
"Delivering Excellence Every Day"



Annette McCully
Fundraising Chairperson
Police Officer Assistance Trust
"Serving Those Who Serve"



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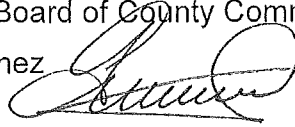
Think Green. Please only print this e-mail if you need to.

Memorandum



Date: June 24, 2015

To: Honorable Chairman Jean Monestime
and Members, Board of County Commissioners

From: Carlos A. Gimenez 
Mayor

Subject: Gunshot Detection Technology – Follow-up Information

The attached report from the Miami-Dade Police Department (MDPD) is provided as a follow-up to my February 11, 2015 memorandum to the Board of County Commissioners regarding gunshot detection technology. At my direction, MDPD conducted further research on the implementation of the technology and identified possible funding sources.

Should you require additional information, please contact Director J.D. Patterson, Miami-Dade Police Department, at (305) 471-3272, or me directly.

Attachments

c: Robert A. Cuevas, Jr., County Attorney
Russell Benford, Deputy Mayor, Office of the Mayor
J.D. Patterson, Jr., Director, Miami-Dade Police Department
Charles Anderson, Commission Auditor
Christopher Agrippa, Clerk of the Board

MIAMI-DADE POLICE DEPARTMENT
GUNSHOT DETECTION TECHNOLOGY REPORT

On December 2, 2014, the Miami-Dade County Board of County Commissioners (BCC) approved Resolution No. R-1076-14 requesting the County Mayor or Mayor's designee to research the implementation of a gunshot detection technology system.

On February 11, 2015, Mayor Carlos Gimenez, requested further analysis of the possible purchase and implementation of a gunshot detection system. Such research is presented herein, as follows:

- (a) Background
- (b) Additional Research material
- (c) Implementation
- (d) Funding

Background:

The Miami-Dade Police Department (MDPD) is the largest local police department in the southeastern United States and provides public safety services to more than 2.5 million residents and 13.5 million overnight visitors to Miami-Dade County (MDC). Because random and intentional gunfire are significant problems, the MDPD has taken an aggressive stance to curtail gun violence. In October 2014, the MDPD formed a partnership with Forensics Logic, Inc., provider of the Law Enforcement Analysis Portal (LEAP), to help address these concerns. This portal is a repository for intelligence information that allows law enforcement to share data that may not otherwise have been made available to local, state, and federal agencies. As the largest source of law enforcement data, the analytical features of LEAP allow users to make "connections" and make other previously-unavailable analysis.¹ In addition to LEAP, the MDPD has been incorporating the National Integrated Ballistic Information Network (NIBIN), a forensic based technology, into their investigations in order to make every effort to identify and arrest shooters. The MDPD has discovered that the ballistic information from NIBIN has "confirmed more than 68,000 NIBIN hits".² Though NIBIN has been an integral tool that has helped link individuals to firearm-related crimes, the combination of LEAP and NIBIN is just one of several methods that MDPD is leveraging to overcome the plague of gun violence occurring within MDC.

The MDPD proposes to develop and implement a comprehensive, analysis-and forensic-driven approach to reduce gun violence within the region by incorporating gunshot detection technology as a component of a larger initiative. This initiative will be innovative because it:

- Has not been widely implemented in the region.
- Takes a *regional* approach in lieu of *jurisdictional*.
- Takes an interdisciplinary approach.
- Integrates disparate resources and related resources.
- Technology-driven (not manpower intensive).
- Is part of the MDPD Real-Time Crime Center.

¹ Forensic Logic, Inc., Product Overview, web: <http://www.forensiclogic.com/our-products>

² United States Department of Justice, Fact Sheet, Feb. 2015, web: <http://www.atf.gov/publication/factsheets/factsheet-nibin.html>

**MIAMI-DADE POLICE DEPARTMENT
GUNSHOT DETECTION TECHNOLOGY REPORT**

- Directly feeds information to the MDPD Forensic Services Bureau.

Research Material:

Gunshot detection technology identifies the location of gunshots by triangulating sound from sensors that are strategically placed throughout an area of concern. Once detected, the concerned law enforcement agency is alerted. This technology and procedure allow an agency to respond faster and to the exact location of the gunshot incident. For gunshot incidents, this level of speed and accuracy is unprecedented for MDPD. In the relentless pursuit of innovative crimefighting, the County Mayor and the MDPD have a strong need for a gunshot detection system.

As part of market research, the MDPD started to meet with gunshot detection companies. On February 10, 2015, the MDPD met with SST, Incorporated (SST), a company that provides a gunshot detection system called ShotSpotter to local police agencies. SST suggests that their gunshot detection system enhances the ability to secure a scene faster, thus improving investigations. SST Director Phil Dailly stated that, "When ShotSpotter is incorporated into a comprehensive casing collection program, investigators can begin to correlate casings with locations of shootings/homicides, and enables investigators to quickly focus on potential suspects. Same information can also be used in predictive policing, and moving from reactive position to proactive position."³ The cost to implement ShotSpotter is estimated at:

	Year 1	Year 2	Year 3	TOTAL
INSTALLATION				
Program Development Fee	10,000	0	0	10,000
API Software License	19,000	0	0	19,000
Northside Set-up fee, 4 sq. miles	80,000	0	0	80,000
South Set-up fee, 4 sq. miles	80,000	0	0	80,000
IMPLEMENTATION				
Northside subscription, 4 sq. miles	220,000	220,000	220,000	660,000
South subscription, 4 sq. miles	220,000	220,000	220,000	660,000
TOTALS	629,000	440,000	440,000	1,509,000
	TOTAL	TOTAL	TOTAL	GRAND
	YEAR 1	YEAR 2	YEAR 3	TOTAL

Note: Subsequent annual maintenance/subscription costs (Year 2+) would have to be included in MDPD's General Fund budget as ongoing operational expenses.

The MDPD sought validation from a local law enforcement agency, and on February 17, 2015, met with the City of Miami Gardens Police Department (MGPD). The MGPD has been implementing ShotSpotter within a 4.5 square mile area during the last two years. Since its deployment, MGPD has reported: 1,300 detected gunshots, 21 ShotSpotter-attributed arrests; 23 ShotSpotter-attributed firearm recoveries, 922 casing recoveries, and an estimated 50% reduction in gunfire for each of two years. MGPD market research identified SST as a "turn-key" solution and as a reliable gunshot detection system provider.⁴

³ See attached, SST, Inc., ShotSpotter Flex, Research Material.

⁴ See attached City Miami Gardens Police Department, ShotSpotter Program, January 2013-2015

**MIAMI-DADE POLICE DEPARTMENT
GUNSHOT DETECTION TECHNOLOGY REPORT**

The MDPD seeks to replicate the successful evidence-based model in use by the MGPD. To ensure success, we have identified some critical requirements for the proposed gunshot detection system:

- Identify the caliber of bullets
- Identify the quantity of firearms
- Identify the quantity of shots fired
- A minimum of two years' experience providing service to law enforcement
- Turn-key solution: install and maintain equipment plus vet all alerts
- Vendor-maintained statistics and easy report generation
- Low percentage of false-positive alerts

The MDPD's familiarity with a gunshot detection company originated with a pilot program between the MDPD and Federal Bureau of Investigation (FBI). Market research has revealed other gunshot detection systems:⁵

- Guardian System, by Shooter Detection System
- Senti, by Safety Dynamics
- Boomerang

Although time constraints have not allowed for an in-depth analysis for each of them at this time, we will pursue such analysis in order to ensure transparency.

Implementation:

The overall goal is to attenuate firearm violence by strategically planning and implementing an innovative, analysis-driven approach. Specific objectives are to: (1) Install, implement, and evaluate a gunshot detection technology system within specified areas in Miami-Dade County that are currently overwhelmed by firearm violence; (2) Educate law enforcement officers and police dispatchers regarding gunshot detection technology in order to enhance their ability to furnish effective response to the community; and (3) Support and sustain evidence-based policing and forensic-led investigations throughout the agency by the use of appropriate evaluation tools and by the dissemination of relevant findings generated from the project.

Recent analysis of crime data for two Miami-Dade County communities indicates that gun violence has risen dramatically during the last two years.

Total Shootings				
	2013	2014	% change 2013 to 2014	2015 YTD
South District	53	93	75%	30
Northside District	136	179	32%	36
Total	189	272	44%	66

For efficiency, it is recommended that a gunfire detection system be deployed in these areas.

The measurable outcomes of gunshot detection deployment include: (1) Substantially reduce gun-related crimes within the selected project areas; (2) Increase the quantity of gunshots detected, casings recovered,

⁵ Market research information attached.

MIAMI-DADE POLICE DEPARTMENT
GUNSHOT DETECTION TECHNOLOGY REPORT

firearms recovered, and gun-related arrests; (3) Improve detection, response, and related skills of law enforcement personnel; and (4) Increase cost savings through technology implementing and expansion of evidence-based, intelligence-led strategic policing.

It is recommended that the MDPD Information Technology Services Bureau (ITSB), Real-Time Crime Center (RTCC) be tasked with monitoring reported gunfire incidents to provide pertinent information in real time.

Funding:

For the purchase and maintenance of a gunshot detection system, funding may be available from the following sources:

- Police Impact Fees

Current proposed boundaries and any future contiguous areas proposed by the MDPD will require a proposal from vendors.

Research Material:

Pertinent publications, documents, and websites are attached for your review and evaluation.

Our Products

- Product Overview
- LEAP Search
- LEAP Analytics
- FLI Services
- Product Features
- How to Buy

Product Overview

Forensic Logic provides access to its universe of law enforcement data in three separate but interconnected ways:

LEAP Search A simple, powerful, and intuitive search function that provides law enforcement officers on the ground immediate access to data necessary to perform their jobs.

LEAP Analytics A highly robust crime analysis tool that allows analysts to spot crime patterns, perform predictive analysis, and disrupt criminal activity.

FLI Services For private sector firms and municipal governments, we offer a range of analytical services to help make sense of the criminal landscape surrounding your business or community.

LEAP Search

LEAP Search is a simple, powerful, and intuitive search function that provides law enforcement officers on the ground immediate access to data necessary to perform their jobs. Some of its features include:

Unstructured Search A large proportion of valuable law enforcement information is recorded in narratives or text that is not easily discovered using traditional structured search tools. LEAP Search performs an unstructured search of ALL data elements in our data network, including narratives, in a Google-like search so that captured narrative information can be revealed quickly and incidents, persons, vehicles, property, drugs or weapons associated with the results of an unstructured search can be identified for further analysis and query.

Link Charts Displaying the relationships between people and incidents often reveals associations that can lead to quicker apprehension of offenders or the advancement of an investigation. Most link chart analysis software requires the user to create the relationships to be displayed in the link chart so that the link analysis software operates more as a presentation system than an analysis system. LEAP Search automatically creates link charts from associations that it identifies from the data in the LEAP Network repository. Link charts of four levels are created and displayed automatically from person selection or incident selections. An example of four level association would be (i) arrestees associated with (ii) other incident subjects who have (iii) parents who were in a (iv) traffic incident.

Partial Field Searches In LEAP Search, partial hits and wildcard searches are available so that a partial vehicle plate number or VIN number or a partial phrase that might be in the narrative field can be returned easily. This allows law enforcement officers to enter in any relevant data to the incident or individual, and have a high confidence level that their desired information will be presented in the search results.

Saved and Automated Searches In order not to duplicate work daily, a query system needs the ability to save periodic queries. A more sophisticated system would also run "important" queries constantly and notify a user of any new data that met the requirements of the query.

In LEAP Search, periodic search criteria can be saved and executed on demand by a user. This would be useful by a patrol officer prior to his shift in reviewing all incidents in which a weapon had been used in the prior week in his beat. In addition, LEAP allows any saved search to be designated as a 24/7 search in which case the query is constantly executed, even when a user is not online, and will automatically notify the user by email when new data satisfies the query. As an example, this might be useful in a situation where an incident with a particular gang member needed immediate attention from an officer assigned to the gang task force.

LEAP Analytics

Our LEAP Analytics tools have been developed by law enforcement, for law enforcement. The result is a potent suite of analytical features that allow users to not just assess past crimes, but predict where and when crimes will occur next.

Next Crime Location The Next Crime Location analysis tool assists in predicting future criminal incident locations by analyzing previous criminal incident locations. Next Crime Location analysis is intended for serial or spree offenses. LEAP has a next crime location tool that can be executed on any set of incident data (including both CAD and RMS data) selected by user and will illustrate the geographic area where future similar crimes statistically may occur.

Hotblocks HotBlocks allows a user to quickly examine incident data to detect unusually high concentrations of crime. Crime clusters may reveal possible offender activity nodes (e.g. the home, school, work, hangouts, etc.), high crime locations of interest (such as a chop shop) and high crime areas. Identification of these high-crime areas may assist in prioritizing law enforcement resources and ultimately reduce the incidence of criminal activity. LEAP has a HotBlocks tool that can be executed on any set of incident data selected by user.

Timeline Location Timeline Location Analysis is a technique that geographically depicts serial crime data in sequential order based on date and time of occurrence. Timeline location analysis may assist in the identification of an existing pattern among incidents and/or show probable offender routes, including direction of travel. LEAP has a timeline location tool that is executed on any set of incident data selected by user.

Repeat Calls Certain places account for a disproportionate number of criminal incidents. These types of places include, but are not limited to, bars and taverns, abortion clinics, and burglarized places. For example, research indicates that burglarized residences have a substantially increased risk of repeat victimization. This occurs as a result of home owners' insurance replacement and/or because an offender is aware of the routine activities of the occupants based on past observation. LEAP has a repeat calls tool that can be executed on any set of incident data (including both CAD and RMS data) selected by user.

Auto Match Auto Match analysis looks for incidents involving the same vehicles that were involved in the selected incidences. The Auto Match tool in LEAP is often used to identify chop shops or vehicles that frequently appear in multiple incidents.

Timescape Incidents are not evenly distributed across space or time. Certain crimes have peak times of day, peak days of the week, and peak months of the year. This type of time trend data is extremely important, yet often ignored in crime analysis and crime research. However, this type of data can be used proactively to help anticipate when more resources should be devoted to potential crime increases, etc. The timescape tool in LEAP allows a set of data to be analyzed with a variety of temporal data (day of week, time of day etc.)

FLI Services

Forensic Logic provides an array of analytical and advisory services to private sector companies and local, state, and federal governments. We can help decision makers gain a deeper understanding of

how criminal activity is impacting their operations and community, and offer specific, cost-effective ways to mitigate the impact of crime. For more information, please contact us here.

Product Features

NATIONWIDE NETWORK

We collect and integrate data across thousands of jurisdictions so agencies can gain a complete picture of an offender's activity. The result is the ability for our clients to access and analyze all relevant information on an individual or incident, regardless of jurisdictional boundaries.

A centralized data system architecture differs dramatically from county or regional data and analytical sharing architectures in that all data is sent to a central national warehouse, where it is normalized and then distributed to local subscribers. As an analogy, a central data facility works similar in fashion to how Federal Express sends all of its packages to Memphis TN for sorting before distributing packages back to local destinations.

The LEAP Network is hosted in one centralized data facility where data from all agencies participating in the LEAP Network is stored and can be shared and analyzed in the aggregate therefore transcending geopolitical boundaries that offenders ignore. As just one example, several hundred offenders who had been arrested or were being sought for arrest by law enforcement agencies in the state of Texas, reside in Oakland California, more than 1,800 miles away - further illustrating the mobility of the criminal element and the value of a truly national law enforcement data sharing system.

Inexpensive Access

Our cloud-based, software-as-a-service (SaaS) model means that a tablet, smartphone, or PC is the only hardware necessary to access and analyze the data in the Forensic Logic network. Here are a few ways in which Forensic Logic and the LEAP Network minimize cost to our customers:

No cost for central hardware Unlike systems that reside at local police departments or sheriff offices, with a centralized hosted SaaS configuration, there is no cost to the participating agency for hardware servers and associated load balancers. The cost is amortized over the service life and upgrades to hardware do not rely on future grants or capital budget allocations. The most effective and efficient hardware is utilized in order for the service to minimize its ongoing operating costs. The LEAP Network employs multiple centrally located servers, load balanced and configured in a three tier network of web servers, application servers and database servers to deliver results from user queries and associated analysis rapidly. Servers are frequently upgraded with the most efficient equipment and specialized equipment is often employed when it delivers the best user experience for LEAP Network subscribers. In addition, since the LEAP Network is in operation in multiple time zones, server hardware has a higher utilization factor, and therefore lower cost to subscribers, than servers dedicated to one application at one location.

No cost for central database software Law enforcement data query and analysis relies on database software and associated applications. In addition, the National Information Exchange Model or NIEM, a US DHS and US DOJ agreed upon data model requires mapping of local law enforcement data elements into the national NIEM standard to facilitate communication between and amongst law enforcement agencies. This is most often achieved by mapping data elements from an originating system into a standard database schema. All of the costs of database software, associated operating systems, mapping software and data and performing data mapping from local law enforcement systems into nationally recognized standards are performed at no additional cost other than subscription fees to LEAP Network member.

No cost for extra bandwidth Information systems that are heavily used typically require additional communications bandwidth when the information system is located at a law enforcement agency or city/county facility. The cost of a new T1 line to accommodate such usage can range between \$500 and \$1,000 per month. Since the LEAP Network is centrally located and all communications bandwidth emanates from that central location, there is no additional bandwidth cost for a law enforcement agency. This can save an agency as much as \$6,000 annually due to not needing one additional T1 line.

No cost for to Federal Law Enforcement connectors Connections to federal law enforcement Investigative networks require special software and web browser rendering applications to be built in order to retrieve data in FBI, ATF, DEA, Bureau of Prisons, US Marshall Service, TSA, CBP, ICE, Coast Guard, Secret Service and military service data bases. In addition to the software, a comprehensive network connection integration and special data sharing MOUs are required between the US DOJ, US DOD, US DHS in order to facilitate such connections. As a LEAP Network member, subscribers receive automatic access to the federal investigative data through the LEAP Network without any additional programming or software development. As a member of the LEAP Network, data sharing MOUs with US DHS, US DOD and US DOJ are part of the standard LEAP Network MOU that all subscribers adopt.

No additional allocation of overhead With software-as-a-service information delivery, no additional bandwidth, nor floor space, nor 24/7 intrusion detection equipment nor personnel monitoring is required resulting in little to no additional overhead costs for customers. The LEAP Network absorbs all overhead costs often associated with law enforcement information technology software that is installed locally at a law enforcement facility.

No maintenance and support costs The ongoing costs of software, hardware and application maintenance are often overlooked when making economic comparisons between different information technology products and services. In the case of the LEAP Network, database software upgrades, operating system upgrades, equipment replacements and maintenance, application maintenance and bug fixes, and the personnel required to install such upgrades, enhancements and fixes are all absorbed in the cost of subscribers annual fees. There is no additional fees for application upgrades, since upgrades and enhancements are performed continuously, as frequently as every four weeks.

Cost-free upgraded, forever Unlike most software companies that install software onsite at a law enforcement or municipal facility, our SaaS model allows continuous improvement and rapid updates and enhancements depending on customer needs. The Forensic Logic LEAP Network is fully updated as frequently as every four to six weeks and new capabilities and modifications become immediately available to all subscribers. Accordingly, customers with specific needs that are common to the entire network of participating agencies may see special requests implemented in a rapid 8 to 12 week period of time.

Automated Reporting

With a few keystrokes, our system can help your agency generate operational reports such as CompStat and internal reporting. Here are just a few tools in the LEAP Network that will help your agency meet its reporting and accountability requirements:

CompStat CompStat is an accountability and reporting approach to police management first implemented by NYPD in 1996 and attributed with a continually declining crime rate in New York City. It has been adopted in a number of other cities, Los Angeles being the largest and achieving similar results as New York. The interactive CompStat reports available in the LEAP Network were developed with the assistance of the CompStat team at NYPD. Not only are the reports available online, but the interactive nature of the reports permit drill down by users into the incidents that aggregate up to the CompStat report.

Charting In addition to tabular display of law enforcement information, it is often easier to visualize patterns through the use of charts.

LEAP Network provides an interactive charting capability in a number of standard formats to chart incident and offender information.

Exporting of Data, Maps and Charts Many proprietary information technology systems do not provide comprehensive report writer and chart maker capabilities. In these instances, it is convenient if data can be exported into other more comprehensive reporting or charting applications such as Excel, Powerpoint or Crystal Writer. Data selected by LEAP queries are easily exported in a number of standard formats including Microsoft Excel, Microsoft Word, Microsoft Powerpoint, comma-delimited or XML for consumption by applications external to the LEAP Network. In addition to the export of data, it is important that charts, graphs and maps also be exportable in image format for inclusion directly into reports. The LEAP Network facilitates the export of maps, charts and link charts in several image formats that can easily be included in external applications such as Microsoft Word or PowerPoint.

How to Buy

Forensic Logic provides products and services that are procured as modest annual per user, per agency or per organization fees. There is no server hardware, operating system software, application software, communications equipment or Internet bandwidth to procure other than the device you access our services with and a connection to the Internet. To learn more about how our system can help you and your organization, please contact us here or call 888.653.2725.

PRODUCTS

Leap Search
Leap Analytics
FLI Services
How to Buy
FAQ

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Partners
Careers

COMMUNITY

Support
Press
Case Studies

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ATF

Bureau of Alcohol, Tobacco, Firearms and Explosives

Fact Sheet

Public Affairs Division - Washington DC

Contact: Public Affairs Division
 @ATFHQ on Twitter
 facebook.com/HQATF

National Integrated Ballistic Information Network (NIBIN)

February 2015
 www.atf.gov

In 1999, ATF established the National Integrated Ballistic Information Network (NIBIN) to provide federal, state, and local partner agencies with an automated ballistic imaging system. NIBIN partners can discover formerly impossible-to-identify links between firearms-related violent crimes to identify firearm users or "trigger pullers."

Partners must use NIBIN to a reasonable degree, share information with other partners, enter as much ballistic information from shooting scenes as possible, provide adequate staffing, fund new user travel to a one-week training course, possess a casing/bullet recovery system for firearms test firing, and have access to a certified firearms examiner. NIBIN success requires four critical steps:

1. **Comprehensive Collection and Entry.** Integrated Ballistic Identification Systems (IBIS) technology takes digital images of cartridge cases from crime scenes or a crime gun test fires. Multiple casings/bullets may be part of the same case record. In 2001, the Departments of Justice and the Treasury directed their law enforcement components to enter ballistic information into NIBIN.
2. **Timely NIBIN Hit Dissemination.** In hours, IBIS compares those images against previous NIBIN entries. If a high-confidence candidate emerges, firearms examiners compare the original physical evidence microscopically to confirm the match. This is a NIBIN "hit," or the linking of two different investigations.
3. **Investigative Follow-Up and Prosecution.** Linking otherwise unassociated crimes gives investigators a better chance to identify and arrest shooters.
4. **Feedback Loop.** Without feedback, NIBIN partners cannot know how their efforts are making the community safer, which is necessary for sustained success.

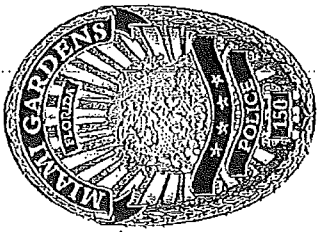
A NIBIN Executive Board and the NIBIN Users Congress advise ATF on NIBIN operations, rules, regulations, and procedures and ballistic imaging technology, standards, applications, and networking.

NIBIN acquisitions are expressly limited to ballistic information from firearms test fires and fired ammunition components pursuant to a criminal investigation. Therefore, NIBIN cannot capture or store ballistic information acquired at the point of manufacture, importation, or sale; nor purchaser or date of manufacture or sale information.

Since the program's inception in 1999, NIBIN partners have confirmed more than 68,000 NIBIN hits, but the true performance metric of NIBIN is the successful arrest and prosecution of shooters.

For more information on NIBIN go to www.nibin.gov or www.atf.gov.

#



Miami Gardens Police Department

Shotspotter Program

January 2013 – January 2015

Major James Hughes

ShotSpotter Program

- Throughout this presentation we will explain how Miami Gardens has implemented the ShotSpotter Program.
- A description of the ShotSpotter Program, ShotSpotter Flex Alerts and Investigative Portals

ShotSpotter Program (Continues)

- Area of coverage within Miami Gardens
- Number of ShotSpotter calls over the first two years of the program
- Casings recovered over the past two years

Introduction:

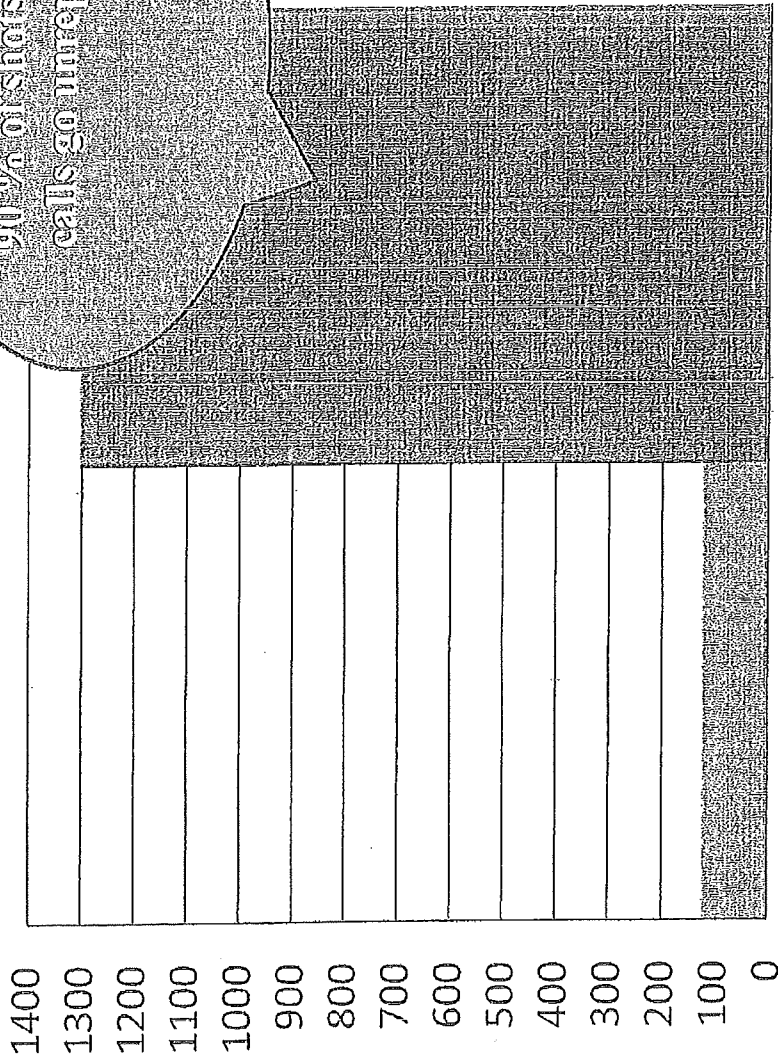
The Miami Gardens Police Department implemented the ShotSpotter Program in December of 2012. The program went live in January of 2013 and has been a huge success in the reduction of gunfire within the boundaries of the program.

With a large portion of gunfire going unreported, we resorted to a state of the art technology to assist us in the reduction and eradication of gun violence. ShotSpotter is a program that allows for the real time alerts to be broadcasted onto the laptops within the patrol cars and has proven to reduce the gunfire within our Community drastically. It is also accessible through Smart phones.

I will be giving you a brief synopsis of how the program works and then move into the reductions in gunfire that the program has brought to the Miami Gardens Community.

Why We Need It

Shots Fired Calls



■ 2012 Without ShotSpotter ■ 2013 With ShotSpotter

Where We Need It

ShotSpotter works best in areas that have a high rate of gun violence coupled with the ideal amount of resources to combat the increased amount of calls generated from the ShotSpotter Program.

How ShotSpotter Works:

The program begins with sensors installed to cover the designated area at an interval that is recommended by the company. After that installation is complete the program is rolled out to the patrol units. Following the program roll out you are ready to go live.

Once the program is live the following occurs:

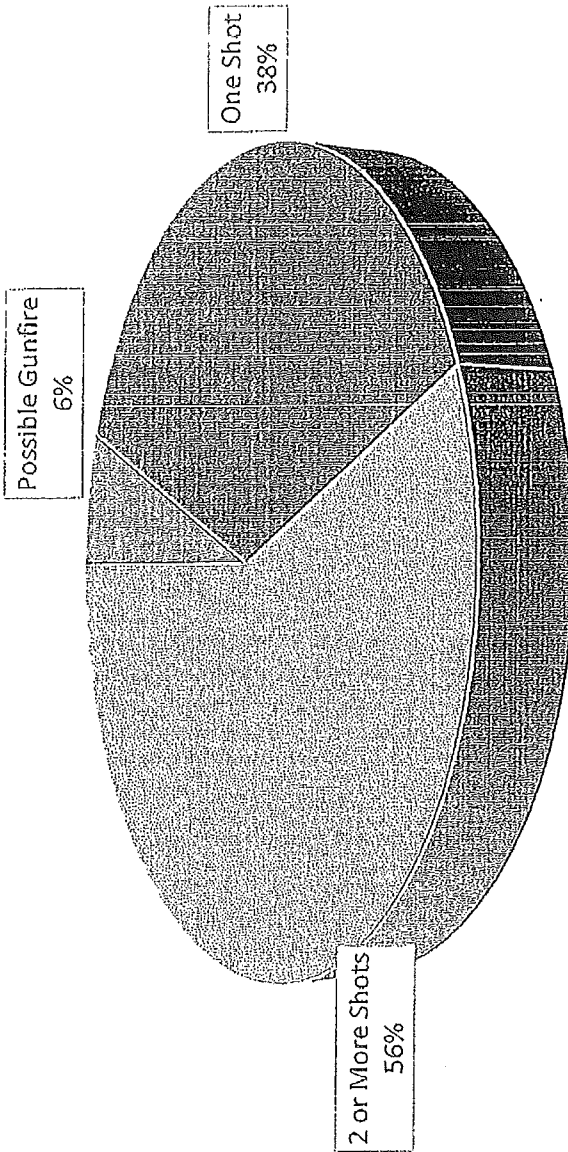
- **The sensors monitor for the sound of gunfire.**
- **A gun is fired and the sound of the explosion radiates.**
- **Multiple ShotSpotter sensors throughout the coverage area trigger.**
- **The sensors triangulate the location of the sound waves pinpointing the location within seconds.**

How ShotSpotter Works (Continues)

- ShotSpotter gunfire and acoustic experts review and classify the data.
- Qualified alerts are sent to the dispatch center, mobile units and Siren email alerts for immediate response.
- Within minutes officers arrive to precise gunshot locations with greater situational awareness and preparedness.

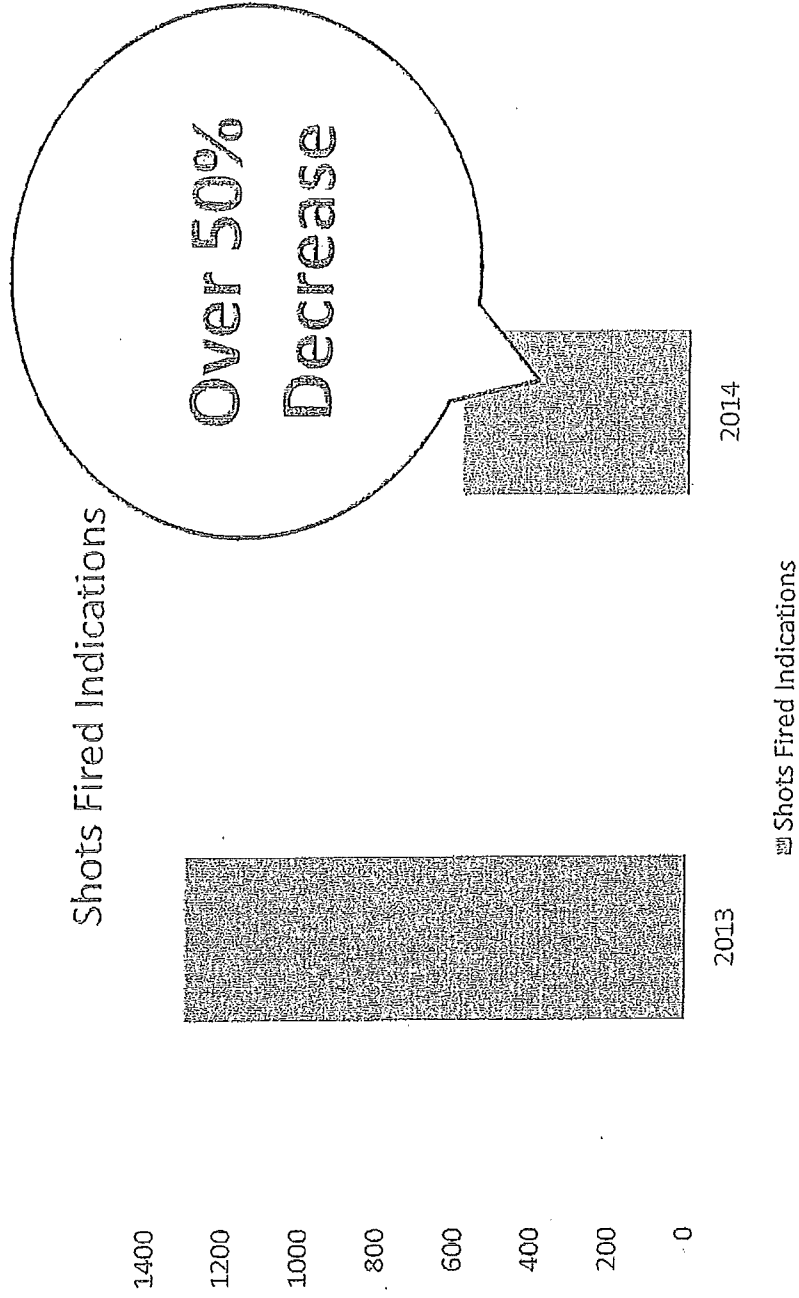
What We Found In 2014

Shots Indicated



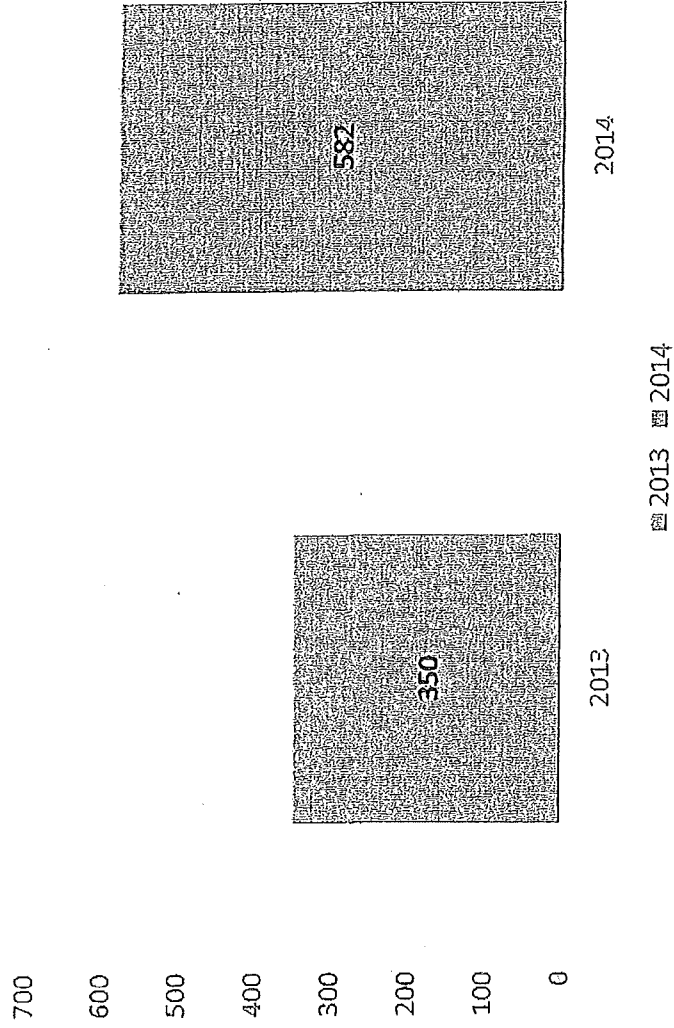
■ Possible Gunfire ■ One Shot ■ 2 or More Shots

Decrease of Gunfire Since Shotspotter Implementation



Casings Located on Activations

Casings Recovered



Pro-Active Arrests/Information Generated From ShotSpotter Activations

- The Miami Gardens Department has made 21 arrests directly related to ShotSpotter Activations.
- The charges range from discharging a firearm in public to attempted homicide.

Pro-Active Arrests/Information Generated From ShotSpotter Activations

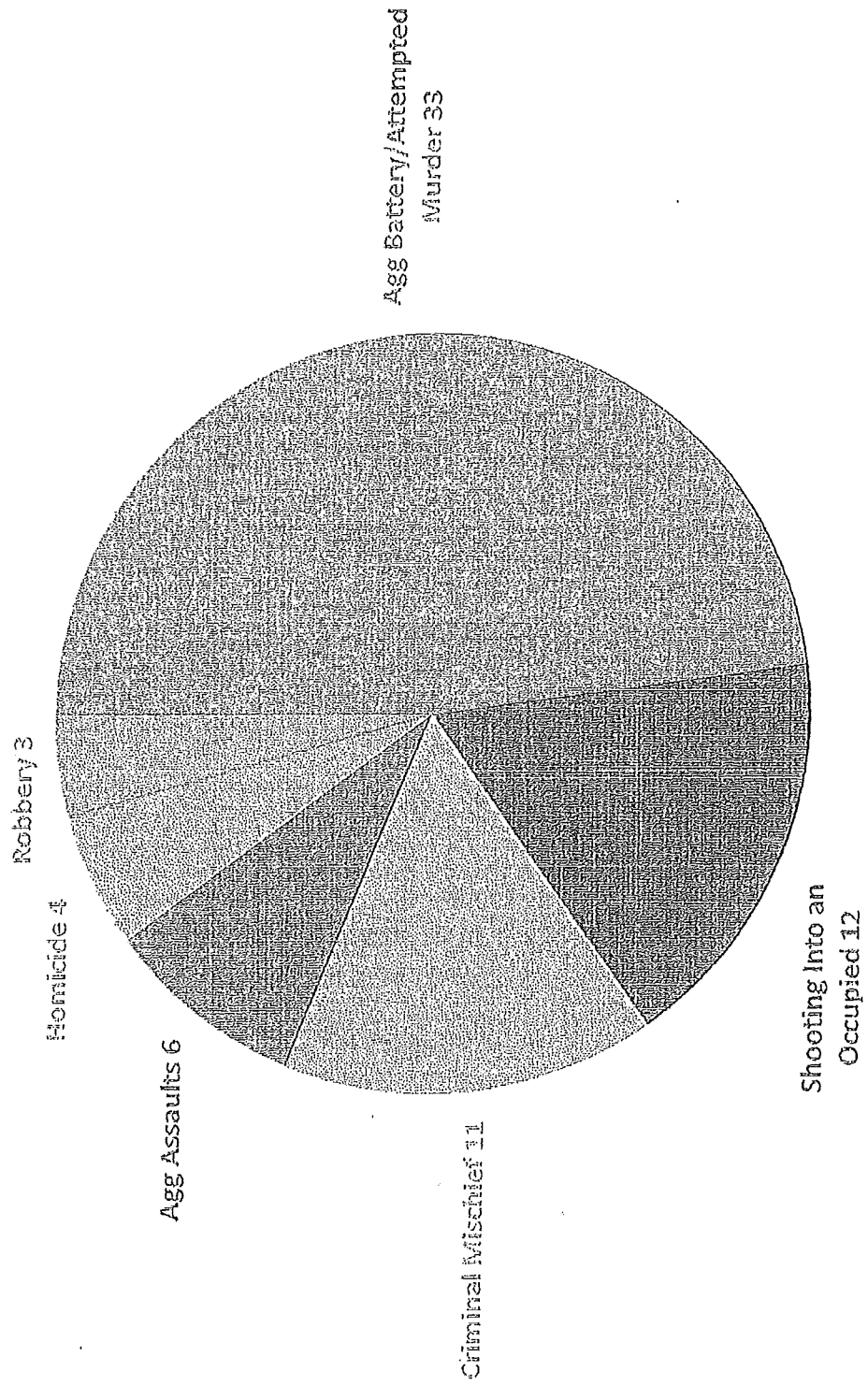
The obvious fact is that without the ShotSpotter Program the response time would have not been as fast as it was, which would have resulted in less armed subjects being apprehended.

361 activations resulted in casings being recovered.

23 firearms have been recovered as a result of the activations.

Types of Calls From Activations

TYPES OF CALLS IN 2014



Shotspotter Flex Alert

The screenshot displays the Shotspotter Flex Alert web interface. At the top, a search bar is labeled "Search: 456 or 456 ID". Below the search bar, a navigation menu includes "Incident", "Zoom To", "Crash", "X-Clear", "Address", "Measure", "Link", "Layers", "Labels", "Road", "Archi", "Birds-eye", and "Labels".

The main map area shows a street grid with a red pin indicating the "Location of Shots Fired". A callout box points to this pin with the text "Location of Shots Fired".

On the left side, a panel titled "SHOTS FIRED at 4601 NW 183 ST" contains a "List" section. It shows "Show incidents in last:" followed by a dropdown menu set to "1 hour". Below this, a table lists incidents:

ID	hour	Incident	Time
1	hour	Multiple Gunshots	Feb 8 12:54

Below the table, a callout box states: "Information on Alert to include longitude, latitude, and a number of rounds, and a unique Flex ID that corresponds to the particular alert."

At the bottom of the interface, a "List of Activations" section is visible, with a callout box pointing to it. The bottom right corner contains a "Need help? Click here to chat live with SST." link and a "Logout" button.

Shotspotter Investigative Portal

File Reports Help

Find all incidents between:

begin: 2/7/2015
end: 2/9/2015

and of type(s):
 Single Gunshot
 Multiple Gunshots
 Possible Gunfire

and within community:
 Address/Location
 Fleet/Beat/Block
 CAD ID:

and in coverage area(s):
 Miami Gardens, FL
[click to choose from all lists](#)

Search

Search Results 49810

sort by: Date | group by: [none] | (optional) | show | (choose columns) | reset

Type	ID	Date	Time	Address	Beats	CAD	Beat
MS	49809	02-07-2015	12:54:43	4601 NW 83 St	3		33
MS	49785	02-07-2015	03:10:22	19203 NW 83 Ave	4	2015-00213	32
MS	49783	02-07-2015	05:19:12	53760 NW 25 Ave	3	2015-00214	31
PG	49742	02-07-2015	21:29:36	49400 NW 27 Ave	2	2015-0024	32
MS	49729	02-07-2015	20:06:53	2750 NW 194 Ter	3	2015-0020	32
MS	49715	02-06-2015	20:46:30	2981 NW 379 St	29	2015-0020	22
SC	49694	02-05-2015	01:40:15	4800 NW 493 St	4	2015-00185	24
SC	49630	02-05-2015	00:38:57	4424 NW 485 St	4	2015-00185	33

Page 1 of 1

Search found 9 incidents. [Copy search report to clipboard](#) [Export search report to Excel or CSV text](#) [Print search result report](#)

Logged in as cleson@mpdfl | My Account | Logout | Help | About

Sensors Incident

Zoom In | Zoom Out | Refresh | Clear

Email Used to Collect Information

INFORMATION:

I responded to a ShotSpotter alert.

INJURIES:

No injured persons were discovered.

DATE / VENUE:

February 5 2014
Approximately 0522
20700 NW 25th Ave
Miami Gardens, Dade County, Florida

WITNESS

No witnesses were discovered.

SHOTSPOTTER EMAIL:

This narrative was emailed to shotspotter@mgpddl.org.

SHOTSPOTTER:

Three gunshots at this venue.

GUN BOUNTY:

I did not come into contact with anyone to whom I could distribute a Gun Bounty flyer.

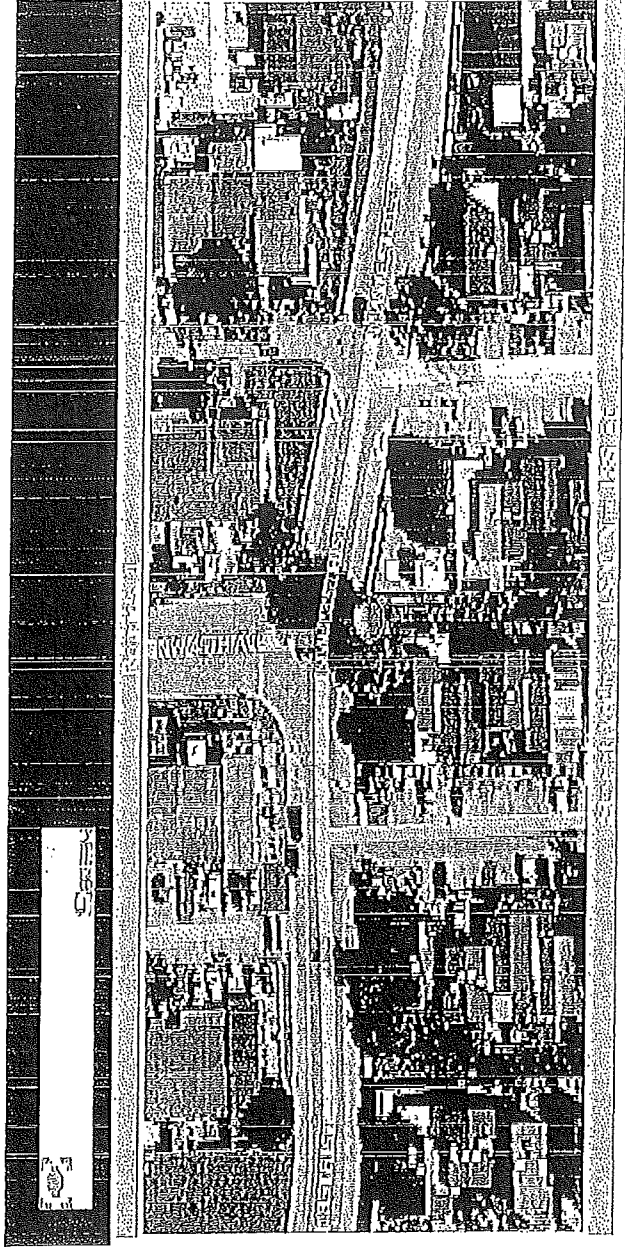
EVIDENCE:

A search of the paved roads revealed no casing or victims. A search of the surrounding area behind the home was also checked and turned up negative results.

ShotSpotter Siren <noreply@shotspotter.net>

[ShotSpotter] Alert: Single Gunshot at 4500 Nw 185 St, MiamiGardensFL at

01:13 17 Feb 2015 #786-50049



Time & Date: 01:13 Tuesday, February 17th 2015

Zone: MiamiGardensFL

Beat: 88

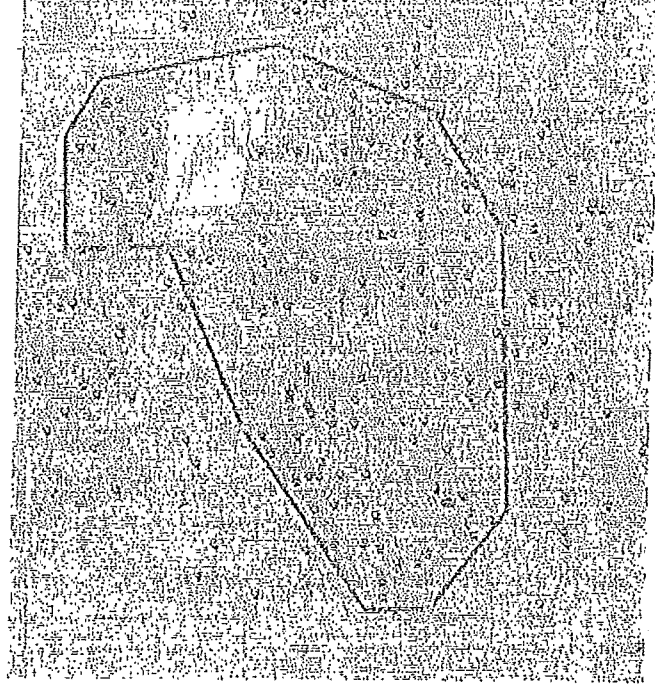
Full Address: 4500 Nw 185 St, Miami Gardens, FL

LEICOM ID 50049

MGPD

Deployment Area

- 4.5 mile coverage area is 22.5% of the City
- Encompasses 38.7% of the reported gun violence
- Infrastructural important locations = Sun Life Stadium, Calder Casino, 6 Public Schools, 2 Parks, BTF Community Center



Product Overview

Product Specifications

Active Shooter Statistics

Features

Sends an alert within a second of a gunshot detection

Near zero false alerts

Immediately alerts building and emergency personnel

Easily integrated into any camera/security network

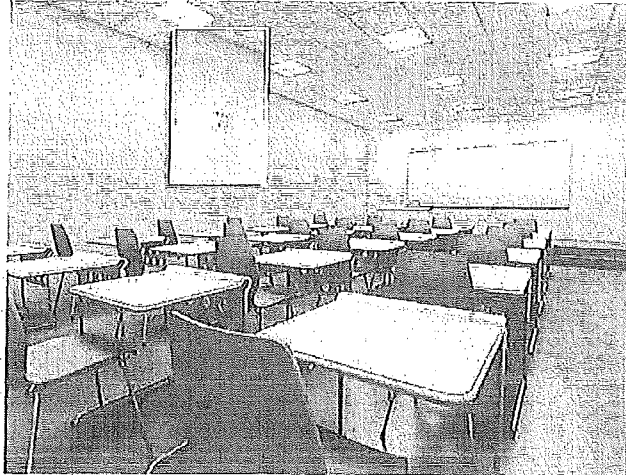
25M coverage area per sensor

Low total cost of ownership

Built-in test provides continuous feedback loop

Simulation and training modes

Anti-tamper features



Guardian Indoor Gunshot Detection system incorporates the world's finest acoustic gunshot detection software and combines it with Infrared camera gunfire flash detection to produce the most capable indoor gunshot detection system available today. The system's dual modality provides the highest rate of detection while bringing the number of potential false alerts to almost zero.

Over \$20 million dollars of research and development has been invested by the US Government and the defense contractor to mature this capability. The Guardian incorporates all of the technical lessons learned from real world outdoor use in multiple warfronts and has combined that knowledge with thousands of rounds of live fire testing in buildings and schools. The Guardian is ready to protect your location today.

Sponsors: [Naval Research](#) | [Army Research](#) | [USC Viterbi Engineering](#) | [USC Neuroscience](#)

Safety Dynamics

"The Leader In Smart Sensor Technology"

*the newest technologies
recognizing threats
to our safety..*

NEWS

PRODUCTS

SMART CONTEXT

PRESS ARCHIVE

The SENTRI Solution: A New Age In Law Enforcement

Safety Dynamics specializes in the use of smart sensors for threat recognition and localization. Safety Dynamics is currently selling and supporting a system for law enforcement called SENTRI (Sensor Enabled Neural Threat Recognition and Identification). The system is a breakthrough technology that recognizes gunshots and explosions and sends range and bearing details to cameras which can then locate the source of the event. The patented Dynamic Synapse Neural Network (DSNN) technology developed by the Laboratory for Neural Dynamics at the University of Southern California is at the core of the acoustic recognition capability and is based on neurobiological principles of brain signal processing, and allows, like the human brain, accurate temporal pattern recognition of acoustic signals even in the presence of high noise. Whether standing alone in a choke-point or working with multiple units to cover a large area, SENTRI is part of a network of surveillance cameras which listen for gunshots and provide police with the ability to use audio and video for the identification of crimes in progress.

SENTRI Smart Fence: Airport and Facility Perimeter Protection

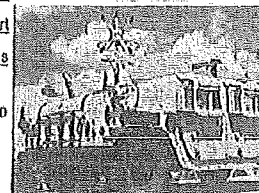
Safety Dynamics is currently developing a perimeter security system called Smart Fence under SBIR Phase III funding from the Office of Naval Research. Safety Dynamics demonstrated first-generation prototypes to the Navy, Naval Surface Warfare Center and TSA. A wireless, low-power system is now in development for use in the protection of small- and medium-sized airports in the United States. The Smart Fence specifically detects the approach of vehicles, footsteps, gunshot and fence disturbance including an integration with ObjectVideo's Intelligent Video cameras to create a complete perimeter defense solution.

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[Customer Login](#)



THE LEADER IN SHOOTER DETECTION

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- [Support](#)
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Home

- Action Menu**
- [Go to User Support Site](#)
(To request access, email boomerang@bbn.com.)
 - [Inquire about Boomerang](#)
 - Combat Proven**
 - Over 6,000 systems deployed.
 - Easily Integrated with other systems:
 - Remote Weapons Systems
 - Situational Awareness Systems
 - Command & Control Systems

Additional Products

Go to....

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BBN In The News

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[View](#)

Indispensable for Force Protection

State-of-the-Art Shooter Detection

The Boomerang award-winning shooter-detection system detects incoming small-arms fire, indicating the azimuth, range, and elevation of the shooter. Boomerang does not trigger from fire outgoing from its position.

Best Performance and Best Value

Developed to rigorous DoD requirements, compliant with applicable MILSPECS, Boomerang is the best performing, lowest cost, shooter-detection system on the market. [Contact us by email to boomerang@bbn.com](#) for details.

Immediate Detection and Notification

Boomerang announces the direction incoming fire is under a second while simultaneously providing the azimuth, range, and elevation visually through an LED display.

Extensive Engineering

Boomerang is not triggered by false alarms commonly caused by non-ballistic events such as road bumps, door slams, wind noise, tactical radio transmission, and from other extraneous noise events such as vehicle traffic, firecrackers, and urban activities.

Easy Installation and Operation

Boomerang can be installed in less than one hour. Minimal training and no calibration is required. Turn it on and the system is fully operational.

**PERAUSE
RECOGN
WARRIORS**

The system was very easy to install and easy to get up and running.

- A Marine Maintenance Company Corporal

Boomerang is available to U.S. military, law-enforcement agencies, to municipalities, and to other approved U.S. domestic and foreign entities. Government contractors can incorporate Boomerang into their system or platform. Boomerang earned DARPA's Significant Technical Achievement Award for 2005.

Day or Night - Moving or Stationary - Urban or Open Terrain Features

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Boomerang Features

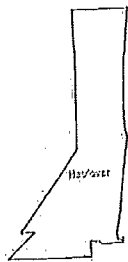
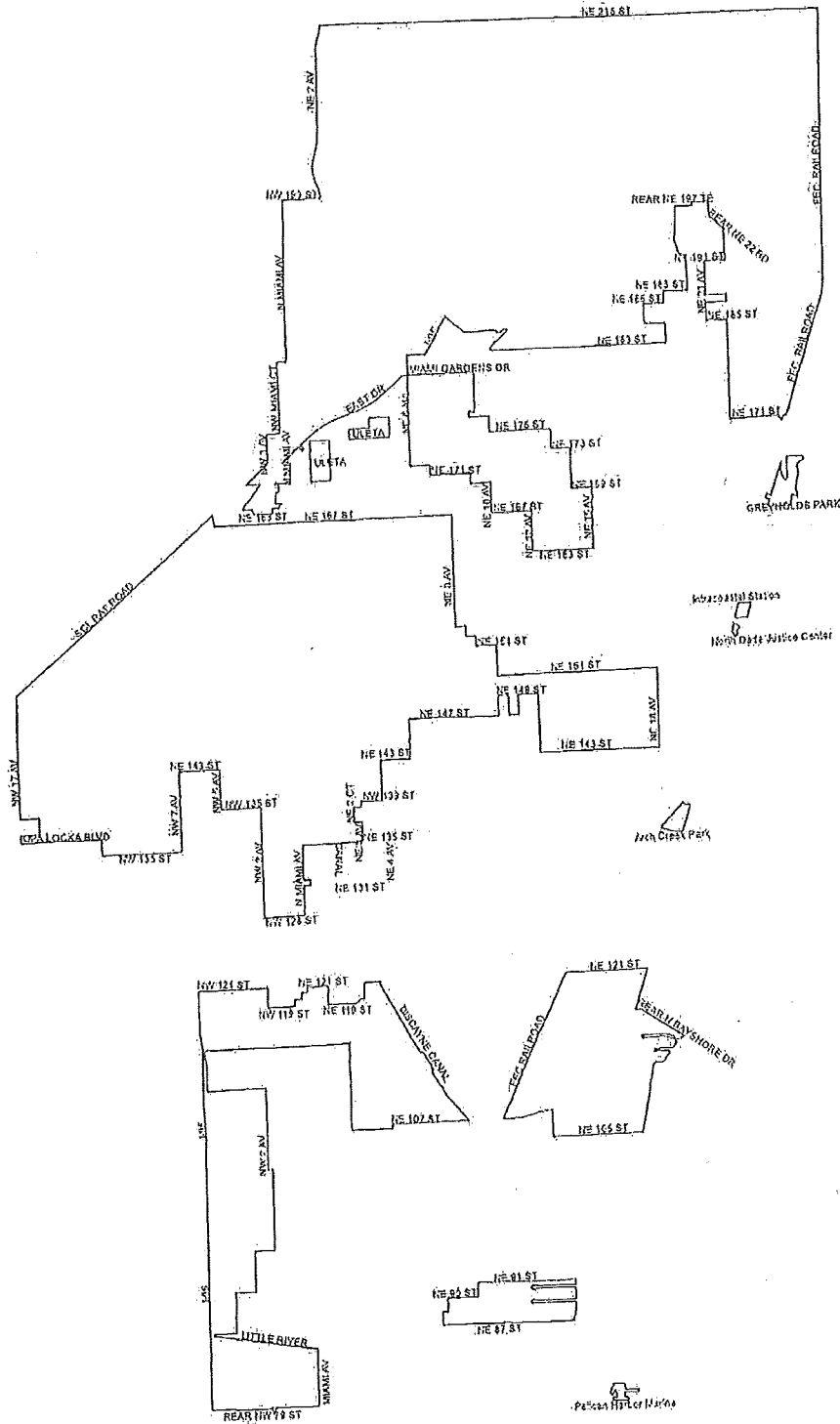
- Operates either in a fixed position or on moving vehicles with the same reliable performance.
- Detects shots fired under all environmental conditions (day/night/fog/rain/snow/sandstorm).
- Boomerang is not triggered by false alarms commonly caused by non-ballistic events such as road bumps, door slams, wind noise, tactical radio transmission, and from other extraneous noise events such as vehicle traffic, firecrackers, and other urban activity.
- The system will not report outgoing fire.
- User Outputs: Auditory and Visual: Custom LED display of relative shooter azimuth, alphanumeric display, and integrated speaker.
- Vehicle military 10-digit grid coordinate displayed in standby mode.
- Boomerang provides real time, ASCII-data output for easy integration with other systems via ethernet or USB interface.
- Simple to operate. Turn the system on and it is fully operational: no calibration required.
- Remains operational in the presence of nearby RF sources (including IED jammers) and does not interfere with other devices.
- Built-in system diagnostics.

Support



MIAMI - DADE COUNTY

Intra-coastal District Boundary



LEGEND

- Intra-coastal District Boundary
- Miami-Dade County
- City of Miami

Map prepared by the Office of Planning, Development and Economic Services, Miami-Dade County, Florida, 1998.



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
 Date Range Jan 1, 2013 - Dec 31, 2013
 030 - MIAMI-DADE I - INTRACOASTAL



UCR Hierarchy Description	UCR Part Indicator	UCR Code	UCR Code Description	JAN - DEC 2013
01- HOMICIDE OFFENSES	1	090A	MURDER - NONNEG MANSLAUGHTER	10
01- HOMICIDE OFFENSES				10
02- FORCIBLE SEX OFFENSES	1	110A	RAPE	2
	1	110B	SODOMY	0
	1	110C	FONDLING	0
02- FORCIBLE SEX OFFENSES				2
03- ROBBERY	1	1200	ROBBERY	189
03- ROBBERY				189
04- AGGRAVATED ASSAULTS	1	130A	AGGRAVATED ASSAULT	179
	1	130D	AGGRAVATED STALKING	0
04- AGGRAVATED ASSAULTS				179
05- BURGLARY	1	2200	BURGLARY	1
05- BURGLARY				1
06- LARCENY	1	230A	POCKET PICKING	0
	1	230B	PURSE SNATCHING	0
	1	230C	SHOPLIFTING	0
	1	230D	THEFT FROM BUILDING	0
	1	230E	THEFT FROM A COIN MACHINE	0
	1	230F	THEFT FROM A MOTOR VEHICLE	1
	1	230G	THEFT FROM ALL OTHERS	2
06- LARCENY				3
07- MOTOR VEHICLE THEFT	1	2400	MOTOR VEHICLE THEFT	0
07- MOTOR VEHICLE THEFT				0
PART 1 and 2 CRIMES TOTAL				384

	JAN - DEC 2012	JAN - DEC 2013	% Change
TOTAL PART 1 - VIOLENT CRIMES	363	380	4.68%
TOTAL PART 1 - NON VIOLENT CRIMES	2	4	100.00%



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
Report Filters



Reported Date Range: Jan 1, 2013 - Dec 31, 2013

Agency: 030 - MIAMI-DADE

District: I - INTRACOASTAL

CDW Package

Criteria:

Data Extracted from the Crime Data Warehouse

Excludes Clearance Type 'UNFOUNDED'

Excludes Assisting Other Agency (AOA)

Report Written = 'Y'

Based on Geocoded Agency

The total number of Crimes are calculated as follows:

Counted by Number of Victims: Homicides, Forcible Sex Offenses, Agravated Assaults

Counted by Number of Premises Entered: Burglary

Counted by Number of Vehicles: Motor Vehicle Theft

Counted by Number Cases: Robbery, Larceny

Excludes Justifiable Homicides

Based on Reported Date

Includes Crimes with Firearms only: Handgun, Rifle, Shotgun, Firearm



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
 Date Range Jan 1, 2014 - Dec 31, 2014
030 - MIAMI-DADE 1 - INTRACOASTAL



UCR Hierarchy Description	UCR Part Indicator	UCR Code	UCR Code Description	JAN - DEC 2014
01- HOMICIDE OFFENSES	1	090A	MURDER - NONNEG MANSLAUGHTER	27
01- HOMICIDE OFFENSES				27
02- FORCIBLE SEX OFFENSES	1	110A	RAPE	2
	1	110B	SODOMY	0
	1	110C	FONDLING	0
02- FORCIBLE SEX OFFENSES				2
03- ROBBERY	1	1200	ROBBERY	162
03- ROBBERY				162
04- AGGRAVATED ASSAULTS	1	130A	AGGRAVATED ASSAULT	262
	1	130D	AGGRAVATED STALKING	0
04- AGGRAVATED ASSAULTS				262
05- BURGLARY	1	2200	BURGLARY	6
05- BURGLARY				6
06- LARCENY	1	230A	POCKET PICKING	0
	1	230B	PURSE SNATCHING	0
	1	230C	SHOPLIFTING	0
	1	230D	THEFT FROM BUILDING	0
	1	230E	THEFT FROM A COIN MACHINE	0
	1	230F	THEFT FROM A MOTOR VEHICLE	1
	1	230G	THEFT FROM ALL OTHERS	1
06- LARCENY				2
07- MOTOR VEHICLE THEFT	1	2400	MOTOR VEHICLE THEFT	0
07- MOTOR VEHICLE THEFT				0
PART 1 and 2 CRIMES TOTAL				461

	JAN - DEC 2013	JAN - DEC 2014	% Change
TOTAL PART 1 - VIOLENT CRIMES	380	453	19.21%
TOTAL PART 1 - NON VIOLENT CRIMES	4	8	100.00%



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
Report Filters



Reported Date Range: Jan 1, 2014 - Dec 31, 2014
Agency: 030 - MIAMI-DADE
District: I - INTRACOASTAL

CDW Package

Criteria:

Data Extracted from the Crime Data Warehouse

Excludes Clearance Type 'UNFOUNDED'

Excludes Assisting Other Agency (AOA)

Report Written = 'Y'

Based on Geocoded Agency

The total number of Crimes are calculated as follows:

Counted by Number of Victims: Homicides, Forcible Sex Offenses, Agravated Assaults

Counted by Number of Premises Entered: Burglary

Counted by Number of Vehicles: Motor Vehicle Theft

Counted by Number Cases: Robbery, Larceny

Excludes Justifiable Homicides

Based on Reported Date

Includes Crimes with Firearms only; Handgun, Rifle, Shotgun, Firearm



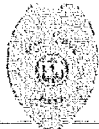
MIAMI DADE POLICE DEPARTMENT

85A - Part 1 Crimes - wFirearms
Date Range Jan 1, 2015 - Dec 31, 2015
030 - MIAMI-DADE I - INTRACOASTAL



UCR Hierarchy Description	UCR Part Indicator	UCR Code	UCR Code Description	JAN - DEC 2015
01- HOMICIDE OFFENSES	1	090A	MURDER - NONNEG MANSLAUGHTER	0
01- HOMICIDE OFFENSES				0
02- FORCIBLE SEX OFFENSES	1	110A	RAPE	0
	1	110B	SODOMY	0
	1	110C	FONDLING	0
02- FORCIBLE SEX OFFENSES				0
03- ROBBERY	1	1200	ROBBERY	23
03- ROBBERY				23
04- AGGRAVATED ASSAULTS	1	130A	AGGRAVATED ASSAULT	28
	1	130D	AGGRAVATED STALKING	0
04- AGGRAVATED ASSAULTS				28
05- BURGLARY	1	2200	BURGLARY	0
05- BURGLARY				0
06- LARCENY	1	230A	POCKET PICKING	0
	1	230B	PURSE SNATCHING	0
	1	230C	SHOPLIFTING	0
	1	230D	THEFT FROM BUILDING	0
	1	230E	THEFT FROM A COIN MACHINE	0
	1	230F	THEFT FROM A MOTOR VEHICLE	0
	1	230G	THEFT FROM ALL OTHERS	0
06- LARCENY				0
07- MOTOR VEHICLE THEFT	1	2400	MOTOR VEHICLE THEFT	0
07- MOTOR VEHICLE THEFT				0
PART 1 and 2 CRIMES TOTAL				51

	JAN - DEC 2014	JAN - DEC 2015	% Change
TOTAL PART 1 - VIOLENT CRIMES	453	51	-88.74%
TOTAL PART 1 - NON VIOLENT CRIMES	8	0	-100.00%



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
Report Filters



Reported Date Range: Jan 1, 2015 - Dec 31, 2015

Agency: 030 - MIAMI-DADE

District: I - INTRACOASTAL

CDW Package

Criteria:

Data Extracted from the Crime Data Warehouse

Excludes Clearance Type 'UNFOUNDED'

Excludes Assisting Other Agency (AOA)

Report Written = 'Y'

Based on Geocoded Agency

The total number of Crimes are calculated as follows:

Counted by Number of Victims: Homicides, Forcible Sex Offenses, Aggravated Assaults

Counted by Number of Premises Entered: Burglary

Counted by Number of Vehicles: Motor Vehicle Theft

Counted by Number Cases: Robbery, Larceny

Excludes Justifiable Homicides

Based on Reported Date

Includes Crimes with Firearms only: Handgun, Rifle, Shotgun, Firearm

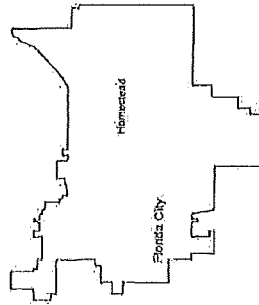
MIAMI - DADE COUNTY South District Boundary



SM 136 ST
Champion's Farm Park

SM 135 ST
FLATIRON PKG
SM 127 ST
SM 124 ST
SM 122 ST
SM 123 ST
SM 121 ST
SM 119 ST
SM 117 ST
SM 115 ST
SM 113 ST
SM 111 ST
SM 109 ST
SM 107 ST
SM 105 ST
SM 103 ST
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SM 11 ST
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SM 7 ST
SM 5 ST
SM 3 ST
SM 1 ST

SUZUNO ST



LEGEND

- South District Boundary
- County Line
- City Boundary
- Water
- Highway
- Railroad
- Other

COUNTY LINE



MIAMI DADE POLICE DEPARTMENT

85A - Part 1 Crimes - wFirearms
 Date Range Jan 1, 2013 - Dec 31, 2013
 030 - MIAMI-DADE C - SOUTH



UCR Hierarchy Description	UCR Part Indicator	UCR Code	UCR Code Description	JAN - DEC 2013
01- HOMICIDE OFFENSES	1	090A	MURDER - NONNEG MANSLAUGHTER	15
01- HOMICIDE OFFENSES				15
02- FORCIBLE SEX OFFENSES	1	110A	RAPE	4
	1	110B	SODOMY	0
	1	110C	FONDLING	0
02- FORCIBLE SEX OFFENSES				4
03- ROBBERY	1	1200	ROBBERY	172
03- ROBBERY				172
04- AGGRAVATED ASSAULTS	1	130A	AGGRAVATED ASSAULT	270
	1	130D	AGGRAVATED STALKING	0
04- AGGRAVATED ASSAULTS				270
05- BURGLARY	1	2200	BURGLARY	3
05- BURGLARY				3
06- LARCENY	1	230A	POCKET PICKING	0
	1	230B	PURSE SNATCHING	0
	1	230C	SHOPLIFTING	0
	1	230D	THEFT FROM BUILDING	0
	1	230E	THEFT FROM A COIN MACHINE	0
	1	230F	THEFT FROM A MOTOR VEHICLE	1
	1	230G	THEFT FROM ALL OTHERS	2
06- LARCENY				3
07- MOTOR VEHICLE THEFT	1	2400	MOTOR VEHICLE THEFT	0
07- MOTOR VEHICLE THEFT				0
PART 1 and 2 CRIMES TOTAL				467

	JAN - DEC 2012	JAN - DEC 2013	% Change
TOTAL PART 1 - VIOLENT CRIMES	476	461	-3.15%
TOTAL PART 1 - NON VIOLENT CRIMES	6	6	0.00%



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
Report Filters



Reported Date Range: Jan 1, 2013 - Dec 31, 2013

Agency: 030 - MIAMI-DADE

District: C - SOUTH

CDW Package

Criteria:

Data Extracted from the Crime Data Warehouse

Excludes Clearance Type 'UNFOUNDED'

Excludes Assisting Other Agency (AOA)

Report Written = 'Y'

Based on Geocoded Agency

The total number of Crimes are calculated as follows:

Counted by Number of Victims: Homicides, Forcible Sex Offenses, Agravated Assaults

Counted by Number of Premises Entered: Burglary

Counted by Number of Vehicles: Motor Vehicle Theft

Counted by Number Cases: Robbery, Larceny

Excludes Justifiable Homicides

Based on Reported Date

Includes Crimes with Firearms only: Handgun, Rifle, Shotgun, Firearm



MIAMI DADE POLICE DEPARTMENT

85A - Part 1 Crimes - wFirearms
Date Range Jan 1, 2014 - Dec 31, 2014
030 - MIAMI-DADE - C - SOUTH



UCR Hierarchy Description	UCR Part Indicator	UCR Code	UCR Code Description	JAN - DEC 2014
01- HOMICIDE OFFENSES	1	090A	MURDER - NONNEG MANSLAUGHTER	16
01- HOMICIDE OFFENSES				16
02- FORCIBLE SEX OFFENSES	1	110A	RAPE	2
	1	110B	SODOMY	0
	1	110C	FONDLING	0
02- FORCIBLE SEX OFFENSES				2
03- ROBBERY	1	1200	ROBBERY	196
03- ROBBERY				196
04- AGGRAVATED ASSAULTS	1	130A	AGGRAVATED ASSAULT	403
	1	130D	AGGRAVATED STALKING	0
04- AGGRAVATED ASSAULTS				403
05- BURGLARY	1	2200	BURGLARY	2
05- BURGLARY				2
06- LARCENY	1	230A	POCKET PICKING	0
	1	230B	PURSE SNATCHING	0
	1	230C	SHOPLIFTING	0
	1	230D	THEFT FROM BUILDING	0
	1	230E	THEFT FROM A COIN MACHINE	0
	1	230F	THEFT FROM A MOTOR VEHICLE	0
	1	230G	THEFT FROM ALL OTHERS	0
06- LARCENY				0
07- MOTOR VEHICLE THEFT	1	2400	MOTOR VEHICLE THEFT	0
07- MOTOR VEHICLE THEFT				0
PART 1 and 2 CRIMES TOTAL				619

	JAN - DEC 2013	JAN - DEC 2014	% Change
TOTAL PART 1 - VIOLENT CRIMES	461	617	33.84%
TOTAL PART 1 - NON VIOLENT CRIMES	6	2	-66.67%



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
Report Filters



Reported Date Range: Jan 1, 2014 - Dec 31, 2014
Agency: 030 - MIAMI-DADE
District: C - SOUTH

CDW Package

Criteria:

Data Extracted from the Crime Data Warehouse

Excludes Clearance Type 'UNFOUNDED'

Excludes Assisting Other Agency (AOA)

Report Written = 'Y'

Based on Geocoded Agency

The total number of Crimes are calculated as follows:

Counted by Number of Victims: Homicides, Forcible Sex Offenses, Agravated Assaults

Counted by Number of Premises Entered: Burglary

Counted by Number of Vehicles: Motor Vehicle Theft

Counted by Number Cases: Robbery, Larceny

Excludes Justifiable Homicides

Based on Reported Date

Includes Crimes with Firearms only: Handgun, Rifle, Shotgun, Firearm



MIAMI DADE POLICE DEPARTMENT

85A - Part 1 Crimes - wFirearms
Date Range Jan 1, 2015 - Dec 31, 2015
030 - MIAMI-DADE - C - SOUTH



UCR Hierarchy Description	UCR Part Indicator	UCR Code	UCR Code Description	JAN - DEC 2015
01- HOMICIDE OFFENSES	1	090A	MURDER - NONNEG MANSLAUGHTER	4
01- HOMICIDE OFFENSES				4
02- FORCIBLE SEX OFFENSES	1	110A	RAPE	0
	1	110B	SODOMY	0
	1	110C	FONDLING	0
02- FORCIBLE SEX OFFENSES				0
03- ROBBERY	1	1200	ROBBERY	30
03- ROBBERY				30
04- AGGRAVATED ASSAULTS	1	130A	AGGRAVATED ASSAULT	60
	1	130D	AGGRAVATED STALKING	0
04- AGGRAVATED ASSAULTS				60
05- BURGLARY	1	2200	BURGLARY	0
05- BURGLARY				0
06- LARCENY	1	230A	POCKET PICKING	0
	1	230B	PURSE SNATCHING	0
	1	230C	SHOPLIFTING	0
	1	230D	THEFT FROM BUILDING	0
	1	230E	THEFT FROM A COIN MACHINE	0
	1	230F	THEFT FROM A MOTOR VEHICLE	0
	1	230G	THEFT FROM ALL OTHERS	0
06- LARCENY				0
07- MOTOR VEHICLE THEFT	1	2400	MOTOR VEHICLE THEFT	0
07- MOTOR VEHICLE THEFT				0
PART 1 and 2 CRIMES TOTAL				94

	JAN - DEC 2014	JAN - DEC 2015	% Change
TOTAL PART 1 - VIOLENT CRIMES	617	94	-84.76%
TOTAL PART 1 - NON VIOLENT CRIMES	2	0	-100.00%



MIAMI DADE POLICE DEPARTMENT
85A - Part 1 Crimes - wFirearms
Report Filters



Reported Date Range: Jan 1, 2015 - Dec 31, 2015
Agency: 030 - MIAMI-DADE
District: C - SOUTH

CDW Package

Criteria:

Data Extracted from the Crime Data Warehouse

Excludes Clearance Type 'UNFOUNDED'

Excludes Assisting Other Agency (AOA)

Report Written = 'Y'

Based on Geocoded Agency

The total number of Crimes are calculated as follows:

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Counted by Number of Vehicles: Motor Vehicle Theft

Counted by Number Cases: Robbery, Larceny

Excludes Justifiable Homicides

Based on Reported Date

Includes Crimes with Firearms only: Handgun, Rifle, Shotgun, Firearm

2013 SOUTH DISTRICT CONTACT AND NON-CONTACT SHOOTINGS

CASE NO	INC DATE	DIS	SIGN	UCR	GRID	SHIFT	TYPE	INC ADDRESS	TOTAL	GRIDS
PD130219064916	2/19/2013 6:32	C	32B	130A	0000	1	CONTACT SHOOTING	280TH ST & SW 145TH AVE		
PD130428156515	4/28/2013 20:15	C	32B	130A	2088	3	CONTACT SHOOTING	15621 SW 106TH AVE	1	0000
PD130917344628	9/17/2013 19:35	C	32A	130A	2088	3	NON-CONTACT SHOOTING	15900 SW 105TH AVE	2	2088
PD130203043984	2/3/2013 1:32	C	32A	130A	2117	1	NON-CONTACT SHOOTING	9565 SW 165TH TER	1	2117
PD130716261041	7/16/2013 6:30	C	32B	130A	2146	1	CONTACT SHOOTING	10220 SW 172ND ST	3	2146
PD131215460947	12/16/2013 22:30	C	32B	130A	2146	3	CONTACT SHOOTING	10337 SW 173RD TER	2	2147
PD131217463372	12/17/2013 18:18	C	32A	130A	2146	3	NON-CONTACT SHOOTING	10634 SW 169TH TER	1	2174
PD130407128697	4/7/2013 20:49	C	32B	130A	2147	4	CONTACT SHOOTING	17325 HOMESTEAD AVE	2	2175
PD130912337199	9/12/2013 4:56	C	32B	130A	2147	1	CONTACT SHOOTING	10015 SW 170TH TER	1	2204
PD130725273711	7/25/2013 22:52	C	32A	130A	2174	3	NON-CONTACT SHOOTING	10977 SW 181ST TER	2	2206
PD130514177641	5/14/2013 16:36	C	32B	130A	2175	3	CONTACT SHOOTING	10260 SW 181ST ST	1	2269
PD130327142781	3/27/2013 0:20	C	32A	130A	2175	1	NON-CONTACT SHOOTING	17645 SW 104TH AVE	1	2271
PD130707249412	7/7/2013 1:22	C	2B	2900	2204	1	NON-CONTACT SHOOTING	10980 SW 184TH ST	2	2292
PD130616220391	6/16/2013 3:15	C	32B	130A	2206	1	CONTACT SHOOTING	10460 SW 186TH ST	3	2321
PD131016381560	9/18/2013 22:00	C	32A	130A	2206	4	NON-CONTACT SHOOTING	10490 SW 186TH LN	1	2322
PD130318100578	3/17/2013 23:51	C	32A	130A	2269	1	NON-CONTACT SHOOTING	12248 SW 202ND TER	2	2323
PD131219466748	12/19/2013 14:07	C	32A	130A	2271	2	NON-CONTACT SHOOTING	11460 SW 203RD TER	1	2410
PD130329116701	3/29/2013 21:17	C	32B	130A	2292	3	CONTACT SHOOTING	12191 SW 215TH ST	1	2435
PD131119427386	11/19/2013 22:16	C	32A	130A	2292	3	NON-CONTACT SHOOTING	21221 SW 120TH AVE	1	2436
PD130708250759	7/8/2013 8:30	C	32B	130A	2321	2	CONTACT SHOOTING	22322 SW 117TH AVE	1	2437
PD130908332568	9/8/2013 14:19	C	32B	130A	2321	2	CONTACT SHOOTING	22320 SW 117TH PL	1	2461
PD131020386866	10/20/2013 4:21	C	32B	130A	2321	1	NON-CONTACT SHOOTING	SW 118TH CT & SW 220TH ST	2	2462
PD130413135670	4/13/2013 0:09	C	32B	130A	2322	1	CONTACT SHOOTING	11845 SW 224TH ST	1	2487
PD130819306822	8/19/2013 20:26	C	32B	130A	2323	3	CONTACT SHOOTING	10715 OLD CUTLER RD	1	2488
PD131018384390	10/18/2013 9:40	C	32B	130A	2323	2	CONTACT SHOOTING	22395 SW 112 AVE	1	2489
PD131030400463	10/30/2013 15:26	C	32A	130A	2410	3	NON-CONTACT SHOOTING	SW 109TH PATH & SW 242ND ST	2	2491
PD131224472055	12/24/2013 4:30	C	32B	130A	2435	1	CONTACT SHOOTING	SW 134TH AVE & SW 248TH ST	1	2537
PD130816301743	8/16/2013 1:09	C	32A	130A	2436	1	NON-CONTACT SHOOTING	12809 SW 252ND ST	1	2556
PD130413136408	4/13/2013 16:18	C	32B	130A	2437	3	CONTACT SHOOTING	SW 251ST ST & SW 124TH AVE	1	2558
PD130704246421	7/4/2013 21:45	C	32B	130A	2461	3	CONTACT SHOOTING	26375 SW 141ST PL	1	2574
PD130804285917	8/4/2013 0:40	C	32B	130A	2462	1	NON-CONTACT SHOOTING	13277 SW 257TH TER	1	2597
PD131106410494	11/6/2013 21:35	C	32A	130A	2462	3	NON-CONTACT SHOOTING	26305 SW 135TH AVE	1	2740
PD130502161147	5/2/2013 12:07	C	32A	130A	2487	2	NON-CONTACT SHOOTING	26901 SW 142ND CT	2	2741
PD130406126806	4/6/2013 12:13	C	32A	130A	2488	2	NON-CONTACT SHOOTING	13700 SW 268TH ST	1	3461
PD130329115950	3/28/2013 19:00	C	32A	130A	2489	4	NON-CONTACT SHOOTING	27072 SW 134TH CT	1	3538
PD130325111220	3/25/2013 21:45	C	32A	130A	2491	3	NON-CONTACT SHOOTING	26521 SW 127TH AVE	3	5488
PD131221468501	12/21/2013 12:19	C	32B	130A	2491	2	NON-CONTACT SHOOTING	12511 SW 264TH ST	1	5559
PD130418142400	4/18/2013 0:17	C	32A	130A	2537	1	NON-CONTACT SHOOTING	14129 SW 280TH TER	1	6637
PD130729279049	7/29/2013 22:59	C	32A	130A	2556	3	NON-CONTACT SHOOTING	15280 GRANT LN	1	8147
PD130905329103	9/5/2013 20:55	C	32A	130A	2558	3	NON-CONTACT SHOOTING	14313 SW 289TH TER		
PD130814299265	8/14/2013 4:30	C	32A	130A	2574	1	NON-CONTACT SHOOTING	30021 SW 169TH AVE		
PD130708250644	7/8/2013 4:12	C	32B	130A	2597	1	NON-CONTACT SHOOTING	15521 SW 307TH ST		
PD130505164796	5/5/2013 0:52	C	32B	130A	2740	1	CONTACT SHOOTING	18740 SW 367TH ST		
PD130611214515	6/11/2013 0:25	C	32A	130A	2741	1	NON-CONTACT SHOOTING	18665 SW 366TH ST		
PD130617222834	6/17/2013 3:30	C	32A	130A	2741	1	NON-CONTACT SHOOTING	18665 SW 366TH ST		
PD130907331863	9/7/2013 22:39	C	32B	130A	3461	3	CONTACT SHOOTING	26158 SW 139TH AVE		
PD131211455526	12/11/2013 19:46	C	32A	130A	3538	3	NON-CONTACT SHOOTING	SW 127TH AVE & SW 278TH BLK		
PD130318100509	3/17/2013 21:30	C	32B	130A	5488	4	CONTACT SHOOTING	SW 139TH AVE & SW 264TH ST		
PD130415138536	4/15/2013 8:15	C	32A	130A	5488	2	NON-CONTACT SHOOTING	26420 SW 137TH AVE		
PD130813298798	8/13/2013 19:00	C	32A	130A	5488	3	NON-CONTACT SHOOTING	26700 SW 137TH CT		
PD130528195777	5/28/2013 2:37	C	32A	130A	5559	1	NON-CONTACT SHOOTING	SW 136TH BLK & SW 288TH ST		
PD130915341573	9/15/2013 4:00	C	32A	130A	6537	1	NON-CONTACT SHOOTING	13569 SW 285TH TER		
PD131229478558	12/29/2013 8:00	C	32B	130A	8147	2	CONTACT SHOOTING	W FERN ST & SW DUVAL AVE		

2013 INTRACOASTAL DISTRICT CONTACT AND NON-CONTACT SHOOTINGS

CASE NO	INC DATE	DIS	SIGN	UCR	GRID	SHIFT	TYPE	INC ADDRESS	TOTAL	GRIDS
PD131217463462	12/18/2013 19:18		32B	130A	0051	3	CONTACT SHOOTING	2030 NE 214 ST		
PD130126033483	1/29/2013 9:26	I	32A	130A	0128	2	NON-CONTACT SHOOTING	NE 188TH ST & NE MIAMI CT	1	0051
PD130226074911	2/26/2013 16:00	I	32A	130A	0128	3	NON-CONTACT SHOOTING	60 NE 180TH TER	3	0128
PD130625192069	5/25/2013 3:32	I	32A	130A	0128	1	NON-CONTACT SHOOTING	67 NE 187TH ST	1	0129
PD130618226314	6/18/2013 21:03	I	14	99	0129	3	CONTACT SHOOTING	371 NE 191ST ST	1	0130
PD130727276408	7/27/2013 23:41	I	32B	130A	0130	1	CONTACT SHOOTING	18913 NE 5TH AVE	4	0188
PD130611214630	6/11/2013 5:17	I	32B	130A	0188	1	CONTACT SHOOTING	250 NE 183RD ST	3	0190
PD130917344802	9/17/2013 22:15	I	32B	130A	0188	3	CONTACT SHOOTING	250 NE 183RD ST	3	0332
PD130126033426	1/26/2013 6:13	I	55	5200	0188	1	NON-CONTACT SHOOTING	250 NE 183RD ST	1	0333
PD130528195714	5/28/2013 0:20	I	32A	130A	0188	1	NON-CONTACT SHOOTING	250 MIAMI GARDENS DR	8	0389
PD130620227233	6/20/2013 11:22	I	32B	130A	0190	2	CONTACT SHOOTING	660 NE 178TH ST	1	0391
PD131122430720	11/22/2013 14:00	I	32B	130A	0190	2	CONTACT SHOOTING	NE 178TH ST & NE 7TH CT	3	0392
PD130224072283	2/23/2013 21:30	I	32A	130A	0190	3	NON-CONTACT SHOOTING	645 NE 178TH ST	1	0481

PD131115422130	11/15/2013 20:11	I	32B	130A	0332	3	CONTACT SHOOTING	90 NE 165TH ST	3	0482
PD130629239619	6/29/2013 19:52	I	32A	130A	0332	3	NON-CONTACT SHOOTING	290 NE 167TH ST	4	0645
PD130922351029	9/22/2013 20:24	I	32A	130A	0332	3	NON-CONTACT SHOOTING	16200 NE 6TH AVE	6	0593
PD130429167523	4/29/2013 16:16	I	32A	130A	0333	3	NON-CONTACT SHOOTING	366 NE 169TH ST	1	0684
PD130911335835	9/11/2013 0:32	I	32B	130A	0389	1	CONTACT SHOOTING	NW 146TH ST & NW 7TH AVE	2	0685
PD130609211984	6/9/2013 5:45	I	32B	130A	0389	1	CONTACT SHOOTING	739 NW 146TH ST	1	0891
PD130120025691	1/20/2013 4:40	I	32	130A	0389	1	NON-CONTACT SHOOTING	861 NW 148TH ST	2	0742
PD130126032026	1/26/2013 4:00	I	32A	130A	0389	1	NON-CONTACT SHOOTING	861 NW 148TH ST	1	0800
PD130804204949	6/4/2013 12:01	I	32A	130A	0389	2	NON-CONTACT SHOOTING	1010 NW 145TH TER	1	3133
PD130621228319	6/21/2013 3:09	I	32A	130A	0389	1	NON-CONTACT SHOOTING	14604 NW 7TH AVE	1	3243
PD130811296170	8/11/2013 22:00	I	32	130A	0389	3	NON-CONTACT SHOOTING	14325 NW 16TH AVE	1	3343
PD131203444290	12/3/2013 20:20	I	32	130A	0389	3	NON-CONTACT SHOOTING	738 NW 146TH ST	1	3390
PD130101000232	1/1/2013 2:26	I	32B	130A	0391	1	CONTACT SHOOTING	14745 NW 2ND AVE	2	3395
PD130101000007	1/1/2013 0:11	I	41	99	0392	1	CONTACT SHOOTING	13800 NW 1ST AVE	1	4242
PD130224071605	2/24/2013 1:06	I	32B	130A	0392	1	CONTACT SHOOTING	NW 143RD ST & NW 2ND AVE	1	8800
PD130416139582	4/16/2013 0:52	I	32A	130A	0392	1	NON-CONTACT SHOOTING	14115 NW 5TH AVE		
PD130711255716	7/11/2013 19:00	I	14	99	0481	3	NON-CONTACT SHOOTING	NW 127TH ST & NW 8TH AVE		
PD130605206418	6/5/2013 3:09	I	32A	130A	0482	1	NON-CONTACT SHOOTING	12835 NW 1ST CT		
PD130809292509	8/9/2013 3:10	I	32	130A	0482	1	NON-CONTACT SHOOTING	12801 NW 1ST CT		
PD131127436657	11/27/2013 3:50	I	32	130A	0482	1	NON-CONTACT SHOOTING	12835 NW 1ST CT		
PD130724271111	7/24/2013 0:55	I	32B	130A	0545	1	CONTACT SHOOTING	11110 NE 14TH AVE		
PD130522188967	5/22/2013 20:16	I	32B	130A	0545	3	CONTACT SHOOTING	11340 BISCAYNE BLVD		
PD130626235857	6/26/2013 22:28	I	32B	130A	0545	3	CONTACT SHOOTING	1355 NE 111 ST		
PD130731280981	7/31/2013 13:08	I	26V	230F	0545	2	NON-CONTACT SHOOTING	1345 NE 111TH ST		
PD131010373439	10/10/2013 3:40	I	32B	130A	0593	1	CONTACT SHOOTING	505 NW 118TH ST		
PD131121429849	11/21/2013 20:16	I	32B	130A	0593	3	CONTACT SHOOTING	247 NW 120TH ST		
PD130714258729	7/14/2013 4:44	I	32	130A	0593	1	NON-CONTACT SHOOTING	200 NW 120TH ST		
PD130914340996	9/14/2013 22:15	I	32	130A	0593	4	NON-CONTACT SHOOTING	155 NW 117TH ST		
PD130713257401	7/13/2013 2:00	I	32	130A	0593	1	NON-CONTACT SHOOTING	218 NW 120TH ST		
PD131218463859	12/18/2013 4:12	I	32A	130A	0593	1	NON-CONTACT SHOOTING	12001 NW 5TH AVE		
PD131218463863	12/18/2013 4:14	I	32A	130A	0684	1	NON-CONTACT SHOOTING	10501 NW 5 AVE		
PD130925354000	9/25/2013 3:48	I	32B	130A	0685	1	CONTACT SHOOTING	NW 101ST ST & NW 6TH AVE		
PD130627237124	6/27/2013 21:30	I	28	2900	0685	3	NON-CONTACT SHOOTING	570 NW 101ST ST		
PD180527194703	6/27/2013 0:00	I	32B	130A	0691	1	CONTACT SHOOTING	1239 NE 110TH ST		
PD130723269806	7/23/2013 0:45	I	32A	130A	0742	1	NON-CONTACT SHOOTING	9308 NW 4TH AVE		
PD130630240370	6/30/2013 4:45	I	32	130A	0742	4	NON-CONTACT SHOOTING	382 NW 93RD ST		
PD130204045163	2/4/2013 0:55	I	32	130A	0800	1	NON-CONTACT SHOOTING	NW 81ST ST & NW 6TH AVE		
PD130117022293	1/17/2013 18:35	I	32A	130A	3133	3	NON-CONTACT SHOOTING	1700 NE MIAMI GARDENS DR		
PD130425151619	4/25/2013 5:58	I	14	99	3243	1	CONTACT SHOOTING	551 NE 177TH ST		
PD130721267575	7/21/2013 6:10	I	32A	130A	3343	1	CONTACT SHOOTING	UNK UNK		
PD130518183511	5/18/2013 21:25	I	32B	130A	3390	3	CONTACT SHOOTING	811 NW 138TH ST		
PD130704246052	7/4/2013 16:30	I	32B	130A	3395	3	CONTACT SHOOTING	NE 149TH ST & NE 6TH PL		
PD130503162024	5/3/2013 1:55	I	32B	130A	3395	1	NON-CONTACT SHOOTING	NE 149TH ST & NE 6TH AVE		
PD130509171212	5/9/2013 18:30	I	30	85	4242	3	CONTACT SHOOTING	160 NW 170TH ST		
PD130826316109	8/26/2013 22:57	I	32	130A	8800	3	NON-CONTACT SHOOTING	224 NW 85TH ST RD		

2014 SOUTH DISTRICT CONTACT AND NON-CONTACT SHOOTINGS

CASE NO	INC DATE	DIS	SIGN	UCR	GRID	SHIFT	TYPE	INC ADDRESS	TOTAL	GRIDS
PD140914337444	9/14/2014 23:48	C	32A	130A	2088	1	NON-CONTACT SHOOTING	15325 SW 104TH AVE	1	2088
PD140713256108	7/13/2014 4:33	C	32A	130A	2117	1	CONTACT SHOOTING	SW 168TH ST & S DIXIE HWY	1	2117
PD140125031562	1/25/2014 0:23	C	32B	130A	2146	1	CONTACT SHOOTING	17351 SW 104TH AVE	2	2146
PD141211450317	12/11/2014 0:39	C	32A	130A	2146	1	NON-CONTACT SHOOTING	10634 SW 169TH TER	3	2147
PD141111412241	11/11/2014 18:28	C	32B	130A	2147	3	CONTACT SHOOTING	10030 W INDIGO ST	1	2206
PD140507166193	5/7/2014 1:03	C	32A	130A	2147	1	NON-CONTACT SHOOTING	17422 DUVAL AVE	2	2269
PD141219462064	12/19/2014 23:22	G	32A	130A	2147	1	NON-CONTACT SHOOTING	16978 SW 102ND AVE	1	2271
PD140417139891	4/16/2014 15:00	C	32A	130A	2206	4	NON-CONTACT SHOOTING	18626 SW 106TH PL	4	2293
PD140708249588	7/8/2014 21:52	G	32A	130A	2269	3	NON-CONTACT SHOOTING	12333 SW 202ND TER	1	2320
PD141117420415	11/17/2014 18:00	C	32A	130A	2269	3	NON-CONTACT SHOOTING	20013 SW 123RD DR	1	2321
PD141206444830	12/6/2014 17:54	C	32A	130A	2271	3	NON-CONTACT SHOOTING	20355 SW 114TH CT	3	2322
PD140322106271	3/22/2014 2:04	G	32B	130A	2293	1	CONTACT SHOOTING	SW 112TH AVE & SW 211TH ST	5	2323
PD140301077506	3/1/2014 2:30	C	32A	130A	2293	1	NON-CONTACT SHOOTING	SW 115TH AVE & SW 216TH ST	2	2353
PD140426162753	4/26/2014 21:00	C	32A	130A	2293	3	NON-CONTACT SHOOTING	11497 SW 214TH ST	1	2404
PD140506164894	5/6/2014 6:00	C	32A	130A	2293	1	NON-CONTACT SHOOTING	11470 SW 215TH ST	1	2427
PD141006365090	10/6/2014 16:35	C	32B	130A	2320	3	CONTACT SHOOTING	SW 120TH AVE & SW 219TH ST	1	2436
PD140517190703	5/17/2014 20:35	C	32B	130A	2321	3	CONTACT SHOOTING	SW 216TH ST & S DIXIE HWY	1	2437
PD140803282625	8/3/2014 18:44	C	32A	130A	2322	3	NON-CONTACT SHOOTING	21805 SW 114TH AVE	6	2462
PD140523108783	5/23/2014 20:36	C	32A	130A	2322	3	NON-CONTACT SHOOTING	SW 114TH AVE & SW 216TH ST	3	2487
PD141127432995	11/27/2014 18:25	C	32A	130A	2322	3	NON-CONTACT SHOOTING	22260 SW 112TH AVE	1	2489
PD140610212641	6/10/2014 21:58	C	32B	130A	2323	3	CONTACT SHOOTING	10922 SW 218TH TER	2	2491
PD140807286806	8/7/2014 0:22	C	32A	130A	2323	4	NON-CONTACT SHOOTING	22320 SW 108TH AVE	1	2514
PD140820304940	8/18/2014 2:20	C	32A	130A	2323	1	NON-CONTACT SHOOTING	10781 SW 220TH ST	1	2515
PD140901319486	9/1/2014 2:51	C	32A	130A	2323	1	NON-CONTACT SHOOTING	10760 SW 220TH ST	2	2537
PD141212452076	12/12/2014 12:05	C	32A	130A	2323	2	NON-CONTACT SHOOTING	10955 SW 220TH ST	3	2538
PD140201041923	2/12/2014 23:54	C	32B	130A	2358	1	CONTACT SHOOTING	22444 SW 109TH PSGE	1	2550
PD140805204884	6/5/2014 0:04	C	32A	130A	2358	1	NON-CONTACT SHOOTING	SW 111TH AVE & SW 224TH ST	3	2557
PD140530198241	5/30/2014 22:01	C	32B	130A	2404	3	CONTACT SHOOTING	13593 SW 248TH ST	1	2568
PD140301078474	3/1/2014 19:12	C	32B	130A	2427	3	CONTACT SHOOTING	26201 SW 177TH AVE	1	2574
PD140125032892	1/25/2014 23:28	C	32B	130A	2436	4	CONTACT SHOOTING	12773 SW 250TH TER	1	2576
PD140729276390	7/29/2014 17:62	C	32A	130A	2437	3	NON-CONTACT SHOOTING	25494 SW 122ND PL	1	2576
PD140112015534	1/12/2014 15:00	C	32B	130A	2462	4	CONTACT SHOOTING	SW 134TH AVE & SW 262ND ST	4	2578
PD141115417012	11/15/2014 10:17	C	32B	130A	2462	2	CONTACT SHOOTING	13584 SW 263RD TER	1	2579
PD140322105593	3/21/2014 22:00	C	32A	130A	2462	4	NON-CONTACT SHOOTING	13341 SW 262ND ST	1	2595
PD140416139377	4/16/2014 21:52	C	32A	130A	2462	3	NON-CONTACT SHOOTING	26221 SW 130TH AVE	1	2597
PD140812214106	6/12/2014 0:19	C	32A	130A	2462	1	NON-CONTACT SHOOTING	13035 SW 266TH TER	1	2710
PD140118023821	1/18/2014 22:30	C	32A	130A	2487	3	NON-CONTACT SHOOTING	14181 SW 270TH ST	1	2740
PD140212056237	2/12/2014 1:51	C	32A	130A	2487	1	NON-CONTACT SHOOTING	26800 SW 145TH AVE	1	3461
PD140504162163	5/4/2014 0:36	C	32A	130A	2487	1	NON-CONTACT SHOOTING	14069 SW 272ND ST	1	4294
PD140622228567	6/22/2014 19:03	C	32A	130A	2489	3	NON-CONTACT SHOOTING	SW 135TH AVE & SW 268TH ST	1	4490
PD140201041038	2/1/2014 10:35	C	32A	130A	2491	2	NON-CONTACT SHOOTING	12461 SW 264TH ST	3	5294
PD141206444014	12/6/2014 2:18	C	32A	130A	2491	1	NON-CONTACT SHOOTING	26521 SW 127TH AVE	6	5488
PD141120423771	11/20/2014 14:42	C	270	230G	2514	2	NON-CONTACT SHOOTING	27068 S DIXIE HWY	3	5489
PD141226470389	12/25/2014 19:30	C	32A	130A	2516	4	NON-CONTACT SHOOTING	13859 SW 274TH TER	1	5490
PD140208050038	2/8/2014 2:02	C	32A	130A	2537	1	NON-CONTACT SHOOTING	28011 SW 141ST PL	2	5538
PD140825311366	8/25/2014 21:22	C	32A	130A	2537	4	NON-CONTACT SHOOTING	28126 SW 142ND CT	1	5559
PD140604203562	6/4/2014 0:46	C	32A	130A	2538	1	NON-CONTACT SHOOTING	28201 SW 125TH AVE	2	5537
PD140809210632	6/8/2014 16:00	C	32A	130A	2538	3	NON-CONTACT SHOOTING	28200 SW 125TH CT	3	8147
PD141027391599	10/26/2014 18:00	C	32A	130A	2538	4	NON-CONTACT SHOOTING	20205 SW 124TH PL	4	8293
PD140203043553	2/2/2014 18:00	C	32A	130A	2550	4	NON-CONTACT SHOOTING	2138 NW 6TH AVE		
PD140207049770	2/7/2014 21:09	C	32B	130A	2557	3	CONTACT SHOOTING	29319 SW 152ND AVE		
PD140629237105	6/29/2014 4:45	C	32B	130A	2557	1	CONTACT SHOOTING	29301 SW 152ND AVE		
PD140410130165	4/10/2014 2:50	C	32B	130A	2557	1	CONTACT SHOOTING	SW 152ND AVE & SW 286TH ST		
PD140223069769	2/23/2014 0:45	C	32B	130A	2558	1	NON-CONTACT SHOOTING	14540 SW 292ND ST		
PD141226470139	12/26/2014 0:05	C	32A	130A	2574	1	NON-CONTACT SHOOTING	16725 SW 301ST ST		
PD140304082285	3/4/2014 17:53	C	32A	130A	2575	3	NON-CONTACT SHOOTING	16234 SW 303RD LN		
PD140309089056	3/9/2014 22:28	C	32A	130A	2576	3	NON-CONTACT SHOOTING	15745 SW 297TH TER		
PD140809289446	8/9/2014 2:22	C	32B	130A	2576	1	CONTACT SHOOTING	15270 SW 301ST ST		
PD141224468769	12/24/2014 23:25	C	32B	130A	2578	1	CONTACT SHOOTING	15311 SW 302ND ST		
PD140608209214	6/8/2014 6:23	C	32B	130A	2578	1	CONTACT SHOOTING	SW 152ND AVE & SW 298TH TER		
PD140602201024	6/2/2014 3:25	C	32A	130A	2578	1	NON-CONTACT SHOOTING	15601 SW 300TH ST		
PD141127433254	11/27/2014 22:28	C	32B	130A	2579	3	CONTACT SHOOTING	15033 SW 302ND TER		
PD140820304921	8/20/2014 22:25	C	32B	130A	2595	3	CONTACT SHOOTING	16277 SW 306TH ST		
PD140906327192	9/6/2014 22:45	C	32B	130A	2597	3	CONTACT SHOOTING	SW 152ND AVE & SW 307TH RD		
PD140429156629	4/29/2014 20:56	C	32A	130A	2710	3	NON-CONTACT SHOOTING	34800 SW 212TH AVE		
PD140118022799	1/18/2014 3:02	G	32A	130A	2740	1	NON-CONTACT SHOOTING	18740 SW 356TH ST		
PD140211055129	2/11/2014 23:05	C	32B	130A	3461	1	CONTACT SHOOTING	SW 139TH CT & SW 260TH ST		
PD141123427287	11/23/2014 4:21	C	32B	130A	4294	1	CONTACT SHOOTING	UNK LOC & UNK LOC		
PD141215466027	12/12/2014 8:00	C	32A	130A	4490	4	NON-CONTACT SHOOTING	26863 SW 128TH AVE		
PD141228473396	12/28/2014 15:20	C	32B	130A	5294	3	CONTACT SHOOTING	10875 SW 216TH ST		
PD140816298964	8/16/2014 11:32	G	32B	130A	5294	2	CONTACT SHOOTING	10875 SW 216TH ST		

PD140508168728	5/8/2014 21:50	C	32A	130A	5294	3	NON-CONTACT SHOOTING	10875 SW 216TH ST		
PD140426151642	4/26/2014 2:00	C	32B	130A	5488	1	CONTACT SHOOTING	SW 137TH CT & SW 266TH ST		
PD140430157596	4/30/2014 16:47	C	32B	130A	5488	3	CONTACT SHOOTING	13740 SW 266TH ST		
PD140821228370	6/21/2014 2:30	C	32B	130A	5488	1	CONTACT SHOOTING	SW 139TH CT & SW 264TH ST		
PD141207445250	12/6/2014 23:55	C	32B	130A	5488	1	CONTACT SHOOTING	26611 SW 138TH CT		
PD140205047064	2/5/2014 20:38	C	32A	130A	5488	3	NON-CONTACT SHOOTING	26510 SW 137TH CT		
PD140817300825	8/17/2014 19:51	C	32B	130A	5489	3	NON-CONTACT SHOOTING	SW 134TH CT & SW 264TH ST		
PD140603203486	6/3/2014 22:23	C	32A	130A	5489	3	NON-CONTACT SHOOTING	13567 SW 264TH TER		
PD140817300745	8/17/2014 19:35	C	32B	130A	5489	3	NON-CONTACT SHOOTING	SW 134TH CT & SW 264TH ST		
PD140824310126	8/24/2014 14:30	C	32A	130A	5490	4	NON-CONTACT SHOOTING	26623 SW 127TH CT		
PD140713256884	7/13/2014 21:35	C	32A	130A	5538	3	NON-CONTACT SHOOTING	12070 SW 268TH ST		
PD140717261116	7/17/2014 21:21	C	32A	130A	5538	3	NON-CONTACT SHOOTING	12040 SW 268TH ST		
PD140803282806	8/3/2014 23:45	C	32B	130A	5559	1	CONTACT SHOOTING	13484 SW 289TH TER		
PD140414136722	4/14/2014 21:35	C	32A	130A	6537	3	NON-CONTACT SHOOTING	28405 SW 134TH CT		
PD141212452624	12/12/2014 18:20	C	32A	130A	6537	3	NON-CONTACT SHOOTING	SW 136TH BLK & SW 284TH TER		
PD140730277494	7/30/2014 11:00	C	32A	130A	8147	4	NON-CONTACT SHOOTING	SW 102ND AVE & SW 173RD ST		
PD140201040685	2/1/2014 1:30	C	32A	130A	8147	1	NON-CONTACT SHOOTING	10123 W CIRCLE PLZ		
PD140714256018	7/13/2014 23:16	C	32A	130A	8147	1	NON-CONTACT SHOOTING	10150 CIRCLE PLZ		
PD140205045893	2/5/2014 3:16	C	32B	130A	8293	1	CONTACT SHOOTING	11359 SW 216TH ST		
PD140510170289	5/10/2014 0:09	C	32B	130A	8293	1	CONTACT SHOOTING	21501 SW 114TH CT		
PD140427154122	4/27/2014 23:56	C	32A	130A	8293	1	NON-CONTACT SHOOTING	11388 SW 214TH ST		
PD14+A2:K9504281	4/28/2014 12:00	C	32A	130A	8293	4	NON-CONTACT SHOOTING	11395 SW 216TH ST		

2014 INTRACOASTAL DISTRICT CONTACT AND NON-CONTACT SHOOTINGS

CASE NO	INC DATE	DIS	SIGN	UCR	GRID	SHIFT	TYPE	INC ADDRESS	TOTAL	GRIDS
PD141103401509	11/3/2014 14:17	I	2B	2900	0067	2	NON-CONTACT SHOOTING	20000 NE 16TH CT	1	0067
PD140217061789	2/17/2014 7:12	I	32A	130A	0126	2	NON-CONTACT SHOOTING	NE 184TH TER & NE MIAMI CT	1	0126
PD140422147340	4/22/2014 21:08	I	32B	130A	0130	3	CONTACT SHOOTING	18911 NE 5TH AVE	5	0130
PD141206445014	12/6/2014 20:31	I	32A	130A	0130	3	NON-CONTACT SHOOTING	18721 NE 3RD CT	1	0132
PD140128036727	1/28/2014 23:36	I	32	130A	0130	1	NON-CONTACT SHOOTING	18900 NE 3RD CT	2	0188
PD140706246217	7/4/2014 18:00	I	32	79	0130	4	NON-CONTACT SHOOTING	352 NE 191ST ST	3	0190
PD141116418045	11/16/2014 23:05	I	32A	130A	0130	1	NON-CONTACT SHOOTING	NE 191ST ST & NE 4TH CT	1	0238
PD140522186726	6/22/2014 11:55	I	32B	130A	0132	2	CONTACT SHOOTING	19633 NE 12TH PL	3	0332
PD140416136916	4/14/2014 2:38	I	32B	130A	0188	1	CONTACT SHOOTING	250 NE 183RD ST	2	0333
PD141101398296	11/1/2014 4:31	I	32B	130A	0188	1	CONTACT SHOOTING	250 NE 183RD ST	1	0334
PD140226073725	2/26/2014 6:17	I	32A	130A	0190	1	NON-CONTACT SHOOTING	NE 183RD ST & NE 6TH AVE	2	0335
PD140718262327	7/18/2014 20:35	I	32A	130A	0190	3	NON-CONTACT SHOOTING	NE 8TH AVE & NE 171TH TER	6	0389
PD140226073639	2/26/2014 4:25	I	32A	130A	0190	1	NON-CONTACT SHOOTING	941 NE 171ST ST	2	0391
PD140512173014	5/12/2014 0:45	I	32A	130A	0238	1	NON-CONTACT SHOOTING	16722 NW 25TH AVE	1	0392
PD140122028770	1/22/2014 21:50	I	32	130A	0332	3	NON-CONTACT SHOOTING	625 NE 160TH ST	2	0394
PD140122028773	1/22/2014 21:52	I	32	130A	0332	3	NON-CONTACT SHOOTING	631 NE 160TH ST	3	0399
PD140331118035	3/31/2014 23:35	I	32	130A	0332	1	NON-CONTACT SHOOTING	NE 160TH TER & NE 6TH AVE	2	0482
PD140519182442	5/17/2014 21:00	I	32	130A	0333	3	NON-CONTACT SHOOTING	15302 NE 5TH CT	2	0545
PD140928354358	9/28/2014 10:35	I	32	130A	0333	2	NON-CONTACT SHOOTING	15301 NE 5TH CT	2	0593
PD140403120738	4/3/2014 0:55	I	32A	130A	0334	1	NON-CONTACT SHOOTING	700 NE 160TH TER	1	0594
PD140526192820	5/26/2014 23:39	I	32B	130A	0335	1	CONTACT SHOOTING	15101 NE 6TH AVE	1	0684
PD140113016024	1/13/2014 0:05	I	32	130A	0335	1	NON-CONTACT SHOOTING	15171 NE 8TH AVE	1	0687
PD140112015051	1/12/2014 4:50	I	32B	130A	0389	1	CONTACT SHOOTING	729 NW 146TH ST	3	0691
PD140108009694	1/8/2014 9:56	I	32	130A	0389	2	NON-CONTACT SHOOTING	740 S BISCAYNE RIVER DR	4	0742
PD140112015782	1/12/2014 19:17	I	32A	130A	0389	3	NON-CONTACT SHOOTING	825 NW 149TH TER	2	0800
PD140316098240	3/16/2014 22:16	I	32B	130A	0389	3	NON-CONTACT SHOOTING	825 NW 149TH TER	1	3059
PD140513174711	5/13/2014 10:00	I	14	5200	0389	2	NON-CONTACT SHOOTING	14546 NW 12TH AVE	1	3133
PD140625232454	6/25/2014 17:37	I	32	130A	0389	3	NON-CONTACT SHOOTING	NW 148TH ST & NW 7TH AVE	1	3343
PD140101000017	1/1/2014 0:18	I	32	130A	0391	1	NON-CONTACT SHOOTING	15040 S BISCAYNE RIVER DR	5	3390
PD141129434723	11/29/2014 2:50	I	32A	130A	0391	1	NON-CONTACT SHOOTING	330 NW 147TH ST	1	4243
PD141127432990	11/27/2014 18:00	I	32A	130A	0392	3	NON-CONTACT SHOOTING	13615 NW 2ND AVE	1	4245
PD140405123895	4/5/2014 12:00	I	32B	130A	0394	2	CONTACT SHOOTING	13898 NE 3RD CT	1	4328
PD14031397754	10/31/2014 21:02	I	32A	130A	0394	3	NON-CONTACT SHOOTING	14080 NE 2ND AVE		
PD140111014063	1/11/2014 19:47	I	32B	130A	0399	2	CONTACT SHOOTING	1481 NE 146TH ST		
PD140326111596	3/26/2014 21:00	I	32B	130A	0399	3	CONTACT SHOOTING	1415 NE 147TH ST		
PD140326111516	3/26/2014 19:39	I	32A	130A	0399	3	NON-CONTACT SHOOTING	NE 149TH ST & NE 14TH AVE		
PD140218063902	2/18/2014 19:20	I	32B	130A	0482	3	CONTACT SHOOTING	13130 NW 1 AVE		
PD141228472860	12/28/2014 5:40	I	32A	130A	0482	1	NON-CONTACT SHOOTING	13420 NW 1ST AVE		
PD140624230378	6/24/2014 1:20	I	32A	130A	0545	1	CONTACT SHOOTING	1137 NE 113TH ST		
PD140421145968	4/20/2014 22:00	I	32	130A	0545	3	NON-CONTACT SHOOTING	11380 BISCAYNE BLVD		
PD140410130129	4/10/2014 1:00	I	32B	130A	0593	1	CONTACT SHOOTING	130 NE 119TH ST		
PD140816299486	8/16/2014 17:50	I	32B	130A	0593	3	CONTACT SHOOTING	595 NW 118TH ST		
PD140313094348	3/13/2014 22:59	I	32B	130A	0594	3	CONTACT SHOOTING	287 NE 118TH TER		
PD140828235050	8/28/2014 1:30	I	32B	130A	0684	1	CONTACT SHOOTING	480 NW 108TH TER		
PD140621227520	6/21/2014 22:42	I	32A	130A	0687	3	NON-CONTACT SHOOTING	10850 NE 3RD AVE		
PD140821305086	8/21/2014 0:56	I	32B	130A	0691	1	CONTACT SHOOTING	1206 NE 109TH ST		
PD140611212852	6/11/2014 23:10	I	32	130A	0691	1	NON-CONTACT SHOOTING	1400 NE 111TH ST		
PD140615219291	6/15/2014 21:19	I	32A	130A	0691	3	NON-CONTACT SHOOTING	1120 NE 111TH ST		

PD140101000349	1/1/2014 2:50	I	32B	130A	0742	1	CONTACT SHOOTING	NW 94TH ST & NW 5TH AVE		
PD140405124396	4/5/2014 6:30	I	32B	130A	0742	3	CONTACT SHOOTING	490 NW 95TH ST		
PD141222466045	12/22/2014 19:30	I	32B	130A	0742	3	CONTACT SHOOTING	NW 5TH AVE & NW 88TH ST		
PD140404122300	4/4/2014 7:24	I	32	130A	0742	2	NON-CONTACT SHOOTING	9304 NW 4TH AVE		
PD140417139586	4/17/2014 2:10	I	32B	130A	0800	1	CONTACT SHOOTING	265 NW 82 TER		
PD140710252065	7/10/2014 21:03	I	32	130A	0800	3	NON-CONTACT SHOOTING	366 NW 80TH ST		
PD160101000174	12/31/2014 23:59	I	32	130A	3059	1	NON-CONTACT SHOOTING	2269 NW 199TH ST		
PD141016378385	10/16/2014 19:50	I	32B	130A	3133	3	CONTACT SHOOTING	1710 NE 191ST ST		
PD140824309755	8/24/2014 16:35	I	32B	130A	3343	3	CONTACT SHOOTING	UNK UNK ST		
PD140206048502	2/6/2014 22:52	I	32B	130A	3390	3	CONTACT SHOOTING	801 NW 141ST ST		
PD140829316632	8/29/2014 20:56	I	32B	130A	3390	3	CONTACT SHOOTING	715 OPA LOCKA BLVD		
PD140305082863	3/5/2014 7:30	I	32B	130A	3390	2	NON-CONTACT SHOOTING	1072 NW 136TH ST		
PD140129037993	1/29/2014 23:19	I	32A	130A	3390	1	NON-CONTACT SHOOTING	1031 NW 141ST ST		
PD140223070680	2/23/2014 19:01	I	32A	130A	3390	3	NON-CONTACT SHOOTING	910 NW 141ST ST		
PD140730277144	7/30/2014 10:20	I	32	130A	4243	2	NON-CONTACT SHOOTING	400 NE 177TH ST		
PD141227472555	12/27/2014 22:23	I	32	130A	4246	3	NON-CONTACT SHOOTING	NE 13TH AVE & NE 167TH ST		
PD140206048124	2/6/2014 17:08	I	32B	130A	4328	3	CONTACT SHOOTING	GOLDEN GLDS PK RIDE		

2015 YTD SOUTH DISTRICT CONTACT AND NON-CONTACT SHOOTINGS

CASE NO	INC DATE	DIS	SIGN	UCR	GRID	SHIFT	TYPE	INC ADDRESS	TOTAL	GRIDS
PD150104004637	1/4/2015 14:47	C	32A	130A	2090	2	NON-CONTACT SHOOTING	15830 SW 97TH AVE	1	2090
PD150128036197	1/28/2015 19:54	C	32B	130A	2146	3	CONTACT SHOOTING	10634 SW 169TH TER	3	2146
PD150110012884	1/10/2015 17:20	C	32B	130A	2146	3	CONTACT SHOOTING	10435 SW 172ND ST	2	2147
PD150131039580	1/31/2015 3:30	C	28	2900	2146	1	NON-CONTACT SHOOTING	10634 SW 169TH TER	2	2175
PD150111014617	1/11/2015 22:49	C	32B	130A	2147	3	CONTACT SHOOTING	10180 W FERN ST	1	2319
PD150116019770	1/16/2015 2:33	C	32B	130A	2147	1	CONTACT SHOOTING	SW 100TH AVE & W FERN ST	1	2323
PD150216061272	2/15/2015 20:00	C	32A	130A	2175	4	NON-CONTACT SHOOTING	17725 SW 107TH AVE	1	2326
PD150215059821	2/15/2015 19:49	C	32A	130A	2175	3	NON-CONTACT SHOOTING	10599 SW 177TH ST	1	2437
PD150126033687	1/26/2015 20:16	C	32A	130A	2319	3	NON-CONTACT SHOOTING	22015 SW 128TH CT	2	2462
PD150124031372	1/24/2015 22:49	C	32B	130A	2323	3	CONTACT SHOOTING	SW 220TH ST & ALLAPATTAH RD	1	2489
PD150118022480	1/18/2015 0:23	C	32B	130A	2326	1	NON-CONTACT SHOOTING	10430 SW 216TH ST	1	2611
PD150207049330	2/7/2015 18:27	C	32A	130A	2437	3	NON-CONTACT SHOOTING	25410 SW 126TH CT	1	6537
PD150103003924	1/3/2015 23:32	C	32B	130A	2462	1	CONTACT SHOOTING	26231 SW 135TH PL	1	8147
PD150221067369	2/21/2015 16:00	C	32B	130A	2462	3	NON-CONTACT SHOOTING	26205 SW 136TH PL		
PD150114017158	1/14/2015 1:05	C	32A	130A	2489	1	NON-CONTACT SHOOTING	13690 SW 268TH ST		
PD150115018642	1/15/2015 8:50	C	32A	130A	2611	2	NON-CONTACT SHOOTING	18935 SW 320TH ST		
PD150127033936	1/27/2015 3:16	C	32A	130A	6537	1	NON-CONTACT SHOOTING	28251 SW 132ND CT		
PD150118023593	1/18/2015 21:46	C	32A	130A	8147	3	NON-CONTACT SHOOTING	SW 102ND AVE & SW 173RD ST		

2015 YTD INTRACOASTAL DISTRICT CONTACT AND NON-CONTACT SHOOTINGS

CASE NO	INC DATE	DIS	SIGN	UCR	GRID	SHIFT	TYPE	INC ADDRESS	TOTAL	GRIDS
PD150123029017	1/22/2015 21:30	I	28	2900	0047	3	NON-CONTACT SHOOTING	20832 SAN SIMEON WAY	1	0047
PD150214067480	2/14/2015 0:46	I	32A	130A	0129	1	NON-CONTACT SHOOTING	401 NE 191ST ST	1	0129
PD150203043111	2/3/2015 0:50	I	32A	130A	0243	1	NON-CONTACT SHOOTING	NE 171ST ST & NE 2ND AVE	1	0243
PD150102002208	1/2/2015 16:59	I	32A	130A	0684	3	NON-CONTACT SHOOTING	511 NW 107TH ST	1	0684
PD150126033138	1/26/2015 13:14	I	32B	130A	0687	2	CONTACT SHOOTING	431 NE 108TH ST	1	0687
PD150124030573	1/23/2015 8:00	I	14	2900	3390	4	NON-CONTACT SHOOTING	1031 NW 141ST ST	1	3390
PD150203043176	2/3/2015 4:11	I	15	7777	3480	1	CONTACT SHOOTING	CLAUDE PEPPER PARK	1	3480



ShotSpotter Flex

We detect & locate active shooters in under a minute!



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Presenter

- Phil Dally
• Director Southeast Region
SST, Inc.

Gun Violence is Costly

- Three different studies reveal average cost of homicide at \$5.9M*
 - 60% Lost quality of life for victim
 - 30% Lost victim productivity
 - 6% Criminal Justice cost (\$354,000)
 - 3% Lost offender productivity
 - 1% Medical expenditures and property loss
- Washington State study estimates criminal justice cost at \$255,000 per homicide
- San Mateo County Study (2010) - cost of gun violence ranges from \$57K to \$856K

*Rand Report

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The Echo of Gunfire

Its Impact Reaches Deep in Communities & Cities

▪ Fear & Intimidation

▪ Homicides & Other
Violent Crimes

▪ Distrust of Police

▪ Poverty & Blight

▪ No Opportunities
for Youth

▪ Unemployment

▪ Economic
Disinvestment

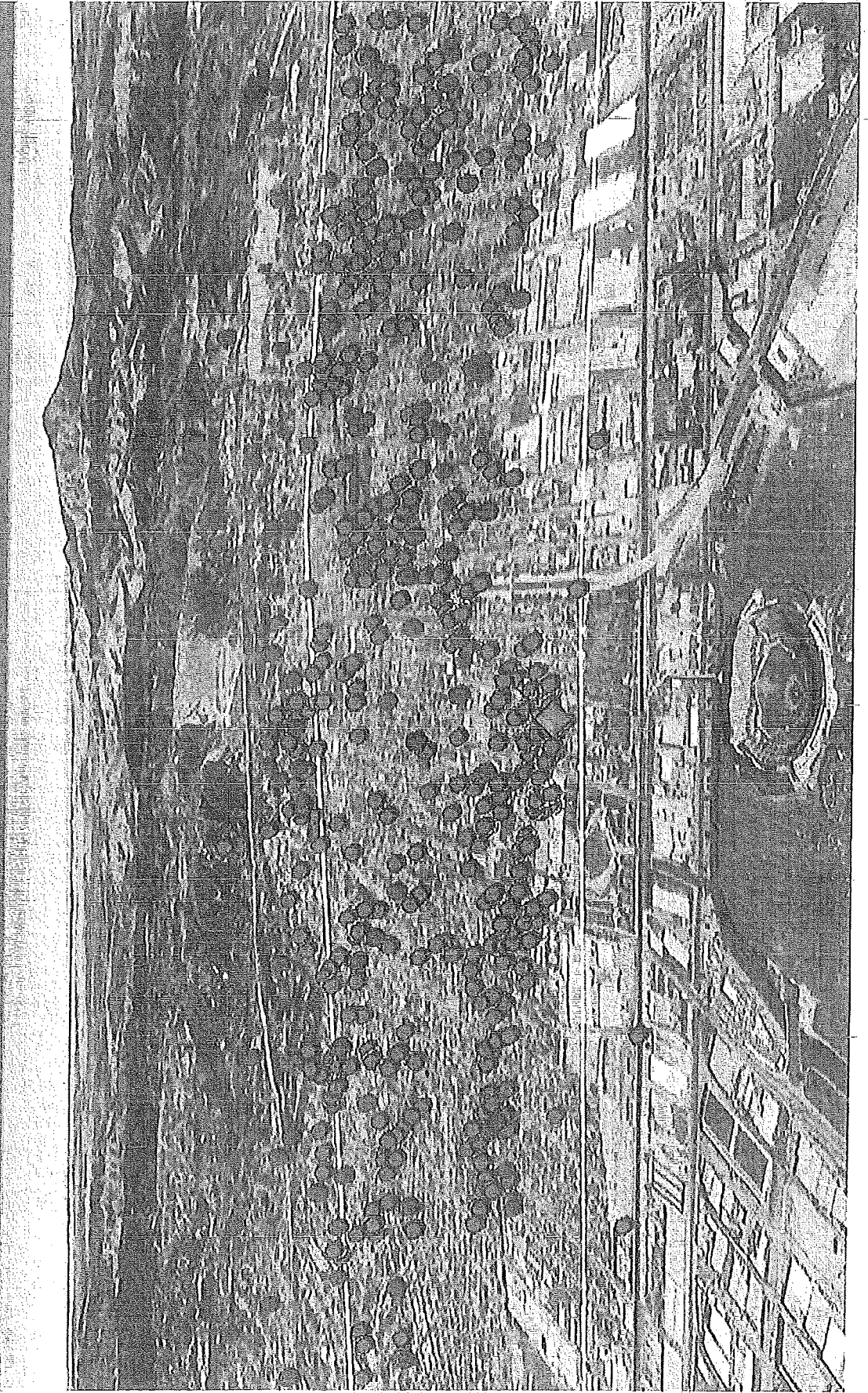
▪ Neighborhood Flight

You can't manage what you can't measure!

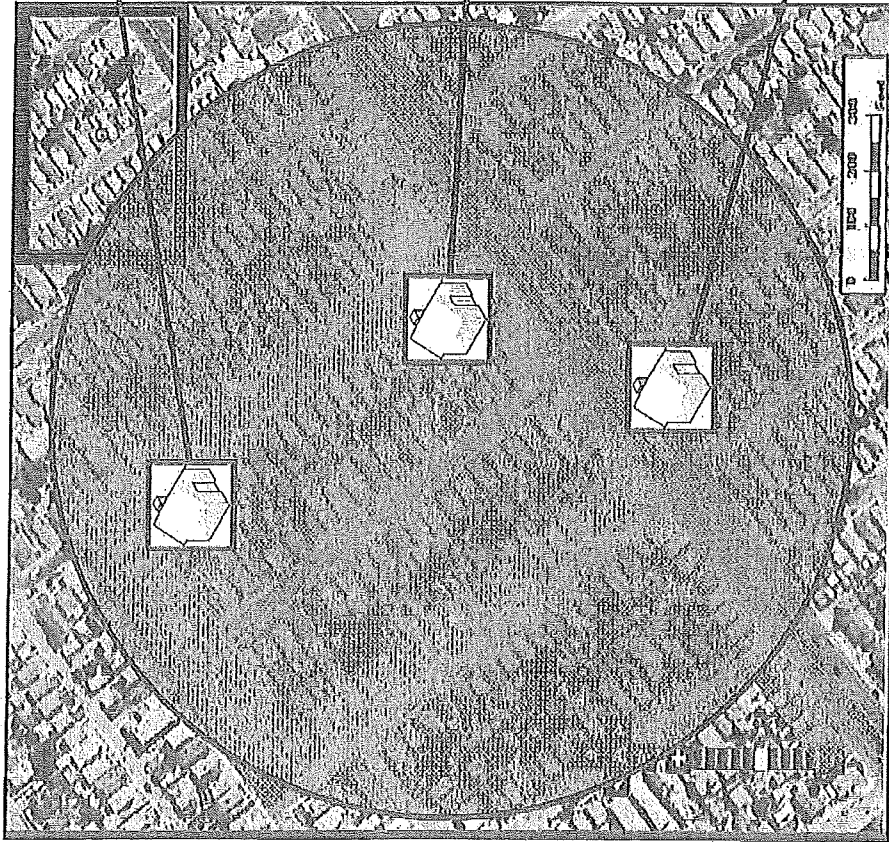
Estimate of
only 20%
of gunfire
incidents
called into
9-1-1





Perception vs. Reality




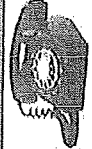
911 Reporting Dynamics





CALLER ONE:
HEARD 5-6 SHOTS
UNKNOWN DIRECTION



CALLER THREE:
HEARD 6-7 SHOTS
POSSIBLY STREET BEHIND

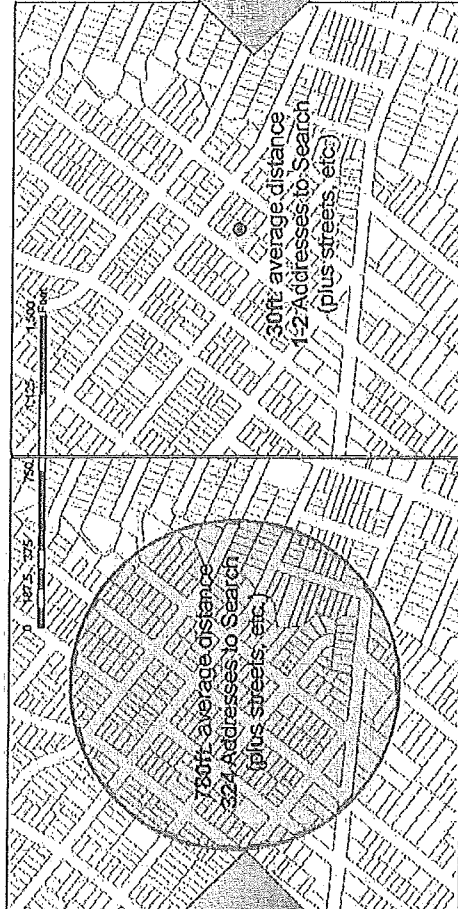


CALLER TWO:
HEARD 4-5 SHOTS
COMING FROM THE NORTH



The 9-1-1 Disconnect: 2013 Data

	9-1-1	ShotSpotter
Incidents	4,118	554
% of Incidents	n/a	13.1%
Delay	n/a	> 30 seconds



9-1-1 Caller
(only 13% of incidents)

ShotSpotter
(> 98% of incidents)

"usable 9-1-1 call" is within 1/2 mile and 30 minutes
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Leadership Program to Reduce Gun Violence

Awareness

- > Less than 20% of gunfire incidents are reported through traditional 9-1-1 system
- > Enables quick & precise identification of gunfire location and other critical related information
- > 24 x 7 coverage
- > Immediate review by trained gunfire experts

Response

- > Safer response for first responders faster and more precise
- > More situational awareness & intelligence available
- > Detailed incident and gunfire data
- > Value-added analysis provided by expert reviewers
- > Immediate & quick law enforcement presence
- > Enhances ability to secure scene
- > Improves investigations

Consequences


- > Awareness among perpetrators that law enforcement will respond and enforce
- > Enables government and communities to create real penalties for crimes
- > Creates collaboration and cohesion between communities, law enforcement and governments
- > Improves quality of life and economic vitality within communities

Effective Policing with ShotSpotter Flex

The only solution that can accurately alert you in real time to the exact where, when, and what of gunfire.

Always on, forensically certifiable, cost-effective alert/data service.

- And no unnecessary overhead required

 **ShotSpotter**
FLEX™

The fastest and safest way to dispatch first responders into gunfire and explosive events.

The only way to know the real problem and track it.

Proven Experience Worldwide

UNITED STATES - ATLANTIC CITY, NJ - BATON ROUGE, LA - BELL GARDENS, CA - BELLWOOD, IL - BELLOIT, WI - BIRMINGHAM, AL - BOSTON, MA - CAMDEN, NJ - CHARLOTTE, NC - CHICAGO, IL - DALLAS, TX - DENVER, CO - EAST PALO ALTO, CA - FBI - GARY, IN - GLENDALE, AZ - HARRISBURG, PA - HARTFORD, CT - HEMPSTEAD, NY - IRVINGTON, NJ - JEFFERSON PARISH, LA - LOS ANGELES, CA - MIAMI GARDENS, FL - MINNEAPOLIS, MN - MONTGOMERY, AL - MOUNT VERNON, NY - NASSAU COUNTY, NY - NEW HAVEN, CT - NEW BRITAIN, CT - NEW YORK, NY - OAKLAND, CA - OMAHA, NE - PALM BEACH, FL - PRINCE GEORGE, MD - RIVIERA BEACH, FL - ROCHESTER, NY - ROCKY MOUNT, NC - SAGINAW, MI - SAN ANTONIO, TX - SAN JOSE, CA - SOUTH GATE, CA - ST. LOUIS, MO - TAMPA, FL - WASHINGTON D.C. - WASHINGTON, NC - YONKERS, NY - YOUNGSTOWN, OH - QUINCY, ILL.

90+ Installations

80+ US Cities & 4 Countries

200+ Square Miles Monitored

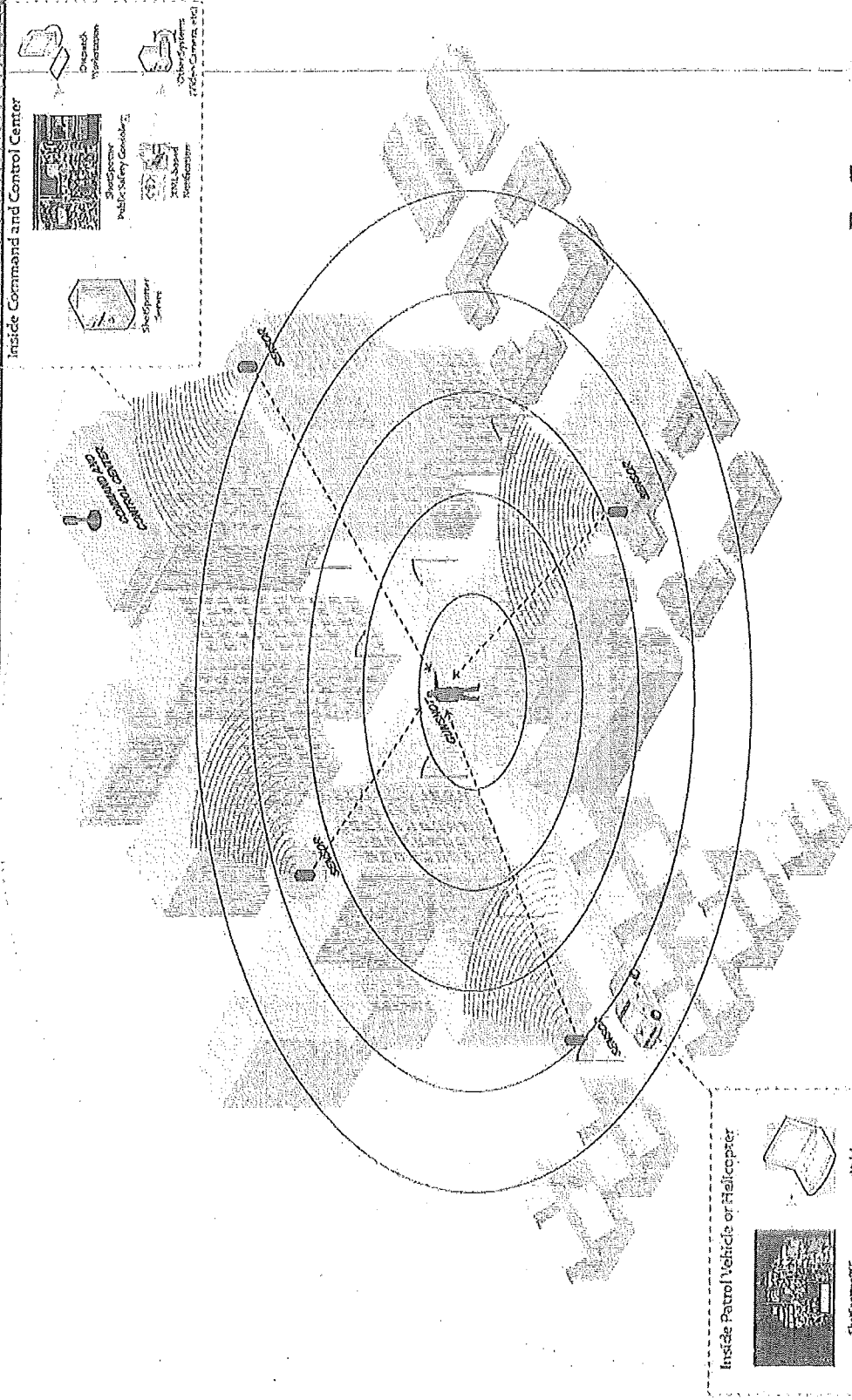
20+ Customer Expansions

RS, BRAZIL - RIO DE JANEIRO, BRAZIL - PANAMA

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How the ShotSpotter Flex System Works

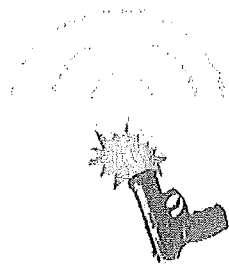


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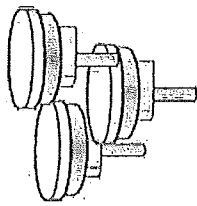
SST™

ShotSpotter Flex Reviewed Alert Service

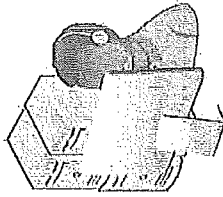
A gun is fired;
the sound of an
explosion radiates



Multiple ShotSpotter
sensors throughout
coverage area trigger



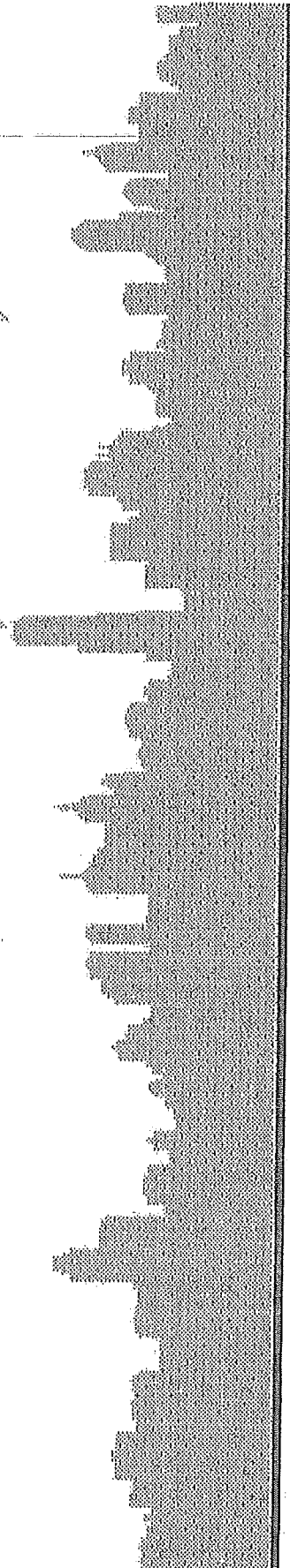
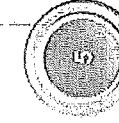
ShotSpotter Software
at SST National Data
Center analyzes data
and
pinpoints location



Police Dispatcher
coordinates response
to Gunfire Alert using
either ShotSpotter
Software or 9-1-1
System



Within minutes,
officers arrive to
precisely the right
location, fully aware
of the situation
before they get there



ShotSpotter

SHOTS FIRED at 1234 Wisteria Dr.

26 rounds fired, stationary shooter, look for evidence in front of driveway in Northbound lane

Occurred: 03:36:22 Elapsed: ~0:39

Flex ID: 1234

District: 1 CAD ID:

Beat: 3

Latitude: 34.123456789

Longitude: -120.123456789



Click to show with SST about this incident

Georges
Incident reviewed and sent 03:36:45

Georges
High number of rounds (26). Recommend officers exercise caution at scene. 03:36:58

Copy Incident Details (as text)

Close Incident

Logged in as ABCPolice
[Logout](#) [Help](#) [About](#)



Connected

11/10/2015

Search:

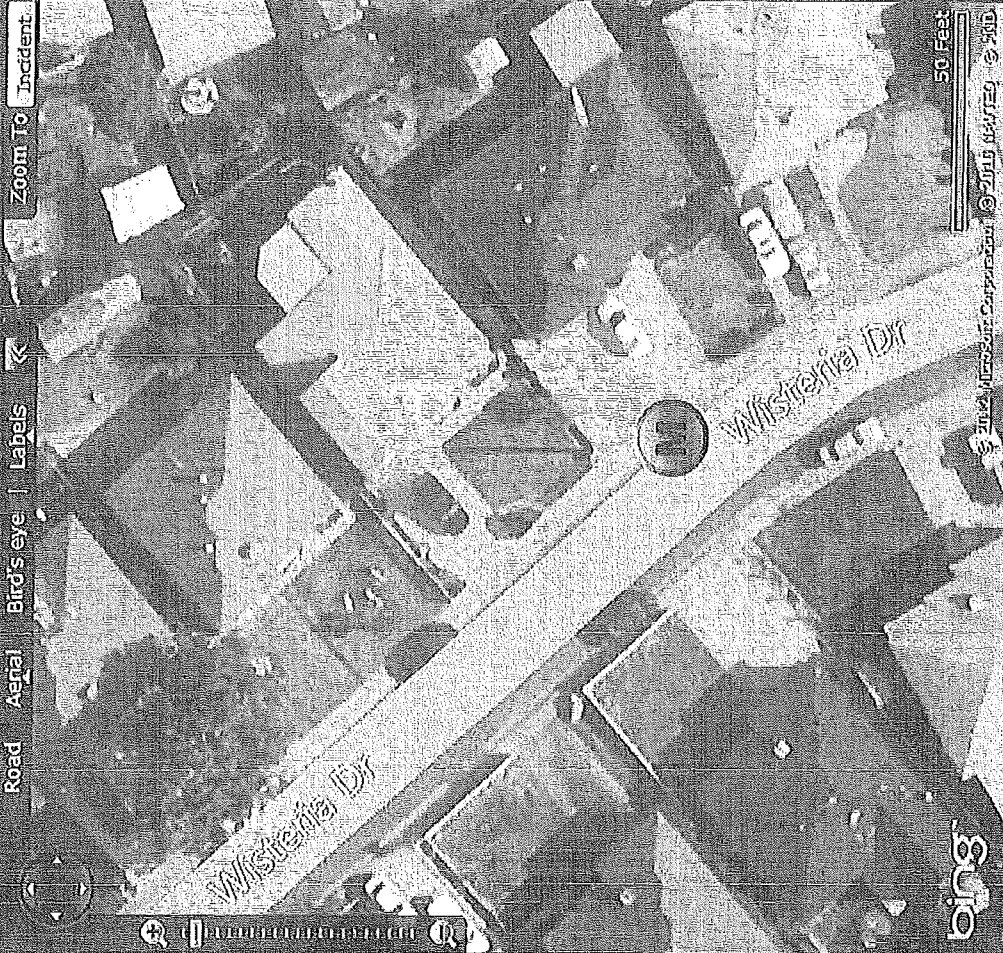


Road Aerial Bird's eye Labels



Zoom To

Incident



50 Feet

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bing

The ShotSpotter Solution

Immediate Gunfire Location: Shooter on the Roof

Unit #

Screen #

Agency

PD

PD

PD

PD

PD

PD

PD

Event

20100827

000008

000010

000011

In Spec Available

Armen

ShotSpotter Flex™ Alerts

SHOTS FIRED at 325 DEMETER ST

Incident 8408


Flex ID: 8408

District: CAD ID: [REDACTED]

Beat: Beat 2

Latitude: 37.476746

Longitude: -122.134883

Audio:  Click to chat with \$T about this incident

Switch to 1027ft away

play audio from sensor 72ft away

Score: Shooter possibly on the roof

Score: 13:55:27

Published: 13:55:40

Reviewed By: Scott

Logged in as: Mobiles (using Alert-Mobile-view) Logout Help About

Search:

Zoom To Incident

Measure: Line Grade

Lookup: Address

Close Screen

Get

Clear Screen

New

Delete

Save

Cancel

Previous

Next

First...

Last...

Print

The ShotSpotter Solution

Immediate Gunfire Location: Shooter in a Moving Car

The screenshot displays the ShotSpotter mobile application interface. At the top, a search bar is visible with the text "SHOTS FIRED at 2360 COOLEY AVE". Below the search bar, there are navigation options: "Road", "Aerial", and "Bird's eye". The main map area shows a street grid with "Cooley Ave" and "Weeks St" labeled. A red location pin is placed at the intersection of Cooley Ave and Weeks St. Below the map, a detailed incident card is shown for "Incident 8409". The card contains the following information:

- 6 ROUNDS MOVING NE AT 31.8 MPH
- Flex ID: 8409
- District: [Redacted]
- Beat: Beat 2
- Latitude: 37.470186
- Longitude: -122.139308
- Audio: [Redacted]

Additional features on the incident card include a "Click to chat with SST about this incident" button, a "switch to 788ft away" button, and a "play audio from sensor 453ft away" button. The card also lists the "Scott" (14-44-27), "Address" (possible shooter location in a car headed East on Weeks St), "Published" (14-44-27), "Call taker" (14-45-19), and "Reviewed By: Scott".

At the bottom of the screen, there is a "List" button and a "Logged in as: Mobile (using Alert-Mobile view)" status bar. The status bar also includes "Logout", "Help", and "About" options. The bottom right corner shows a "Connected" status and the version number "Version 2012.02.29.01 (1-1-12)".

14 Year Old Killed

The screenshot displays a forensic software interface with a central street map of Miami, Florida. The map shows NW 12th Ave, NW 13th Ave, NW 53rd St, NW 52nd St, and NW 51st St. The interface includes several data panels:

- Search Results:**
 - Source: MiamiCryFL
 - Device: II ROUNDS
 - Round: 11
 - Serial: 11
 - Distance: 11
 - Latitude: 25.823137
 - Longitude: -80.217692
 - CAVE:
 - Date/Time: 12/26/2014 7:48:49 PM
- Map Controls:**
 - Map Type:
 - Super Cluster
 - Multiple Locations
 - Reverse Geocode
 - Map Scale: 1:100000
 - Map Style: Default
 - Map Color: Default
 - Map Orientation: Default
 - Map Projection: Default
 - Map Units: Default
 - Map Language: Default
 - Map Zoom: Default
 - Map Pan: Default
 - Map Rotate: Default
 - Map Refresh: Default
 - Map Clear: Default
- Map Data:**
 - 1883 (Greenwood Park)
 - 17 (0.027)
 - 22 (0.410)
 - 26 (0.571)
 - 27 (0.571)
 - 28 (0.471)
- Map Labels:**
 - NW 53rd St
 - NW 52nd St
 - NW 51st St
 - NW 12th Ave
 - NW 13th Ave
- Map Search:**
 - Search
 - Zoom In
 - Zoom Out
 - Home
 - Layers
 - Legend
 - Scale
 - Print
 - Full Screen
 - Close

SST™

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Five Minutes Before! Can responding to gunfire save lives?

The screenshot displays the LOST software interface. At the top, there is a search bar and navigation tabs for 'Home', 'Map', 'Reports', 'Settings', and 'Help'. The main map area shows a street grid with labels for 'NW 12th Ave', 'NW 13th Ave', 'NW 53rd St', and 'NW 54th St'. A search results panel on the left lists 'Miami City Hall' and '15 ROUNDS'. Below the map, there are several data fields and a 'Search Results' section. The 'Search Results' section includes:

- Source: Miami City Hall
- Radius: 15 ROUNDS
- Address: 15 ROUNDS
- District: 15
- Bank: 15
- Latitude: 25.762206
- Longitude: -80.21692
- CRB ID: 15
- Date/Time: 12/26/2014 7:46 PM

 To the right of the map, there are several audio waveform displays labeled '17', '25', '20', '15', and '10', representing different time intervals. A speaker icon with '0000' is visible below the waveforms. The bottom of the interface contains a status bar with 'LST Company Confidential Copyright © 2012' and a 'LST' logo.

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Situational Awareness

File Reports Help

Find all incidents between:

begin: 1/1/2014

end: 06/30/14

and/or type(s):

Single Gunshot

Multiple Gunshots

Possible Gunfire

click to choose from full list

and with comments:

addresses/locations:

Beat/District:

CAD ID:

Tags:

which occurred in:

Beat(s):

District(s):

includes sensor-based incidents:

and in coverage area(s):

click to choose from full list

Search

Search Results

28944

Source: 22 ROUNDS and Possible multiple shooters

Rounds: 22

Address: St

District: 33

Beat: 210041

Latitude: -06.67666

Longitude: 2014-06-4978

CAD ID: 2014-06-4978

Date/Time: 3/20/2014 4:07:28 AM

Published: 3/20/2014 4:07:28 AM

Published: 3/20/2014 4:07:28 AM

Published: 3/20/2014 4:07:28 AM

Published: 3/20/2014 4:07:28 AM



Click to chat with SST about this incident

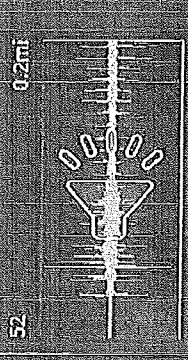
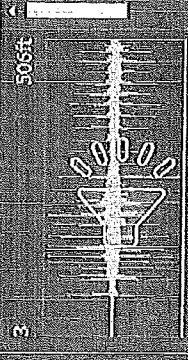


Click to print an incident report

Map interface showing a street view of a residential area. The map includes a compass, zoom controls, and various map layers (Road, Aerial, Bird's eye). A search bar at the top right contains the text '210 Feet'. A legend at the bottom left indicates 'Zoom To Sensors Incident' with a line and circle icon. A 'Measure' tool is also visible. The map shows a street with several buildings and a large 'M' sign. A scale bar at the bottom indicates 0.2mi and 0.3mi.

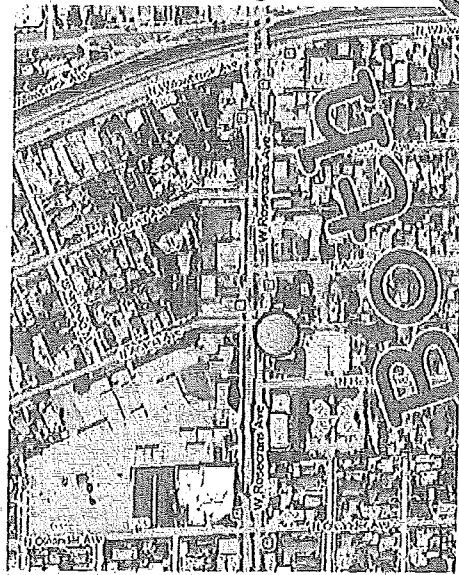
Audio available from 10 Sensors

478ft Closest 0.3mi Furthest



Investigate and Provide Evidence

Initial ShotSpotter Alert



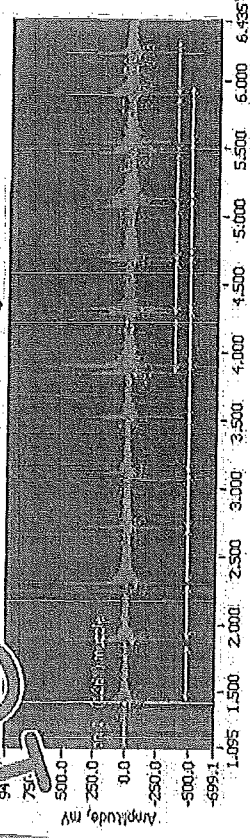
ShotSpotter Forensic Analysis & Expert Witness Testimony



Shots

DEFLECTED
CONVICTIONS

Police Feature
Median Frequency



ShotSpotter Forensics prove two shooters →
two Murder 1 Convictions

Court Admissible Evidence Reduces Liability

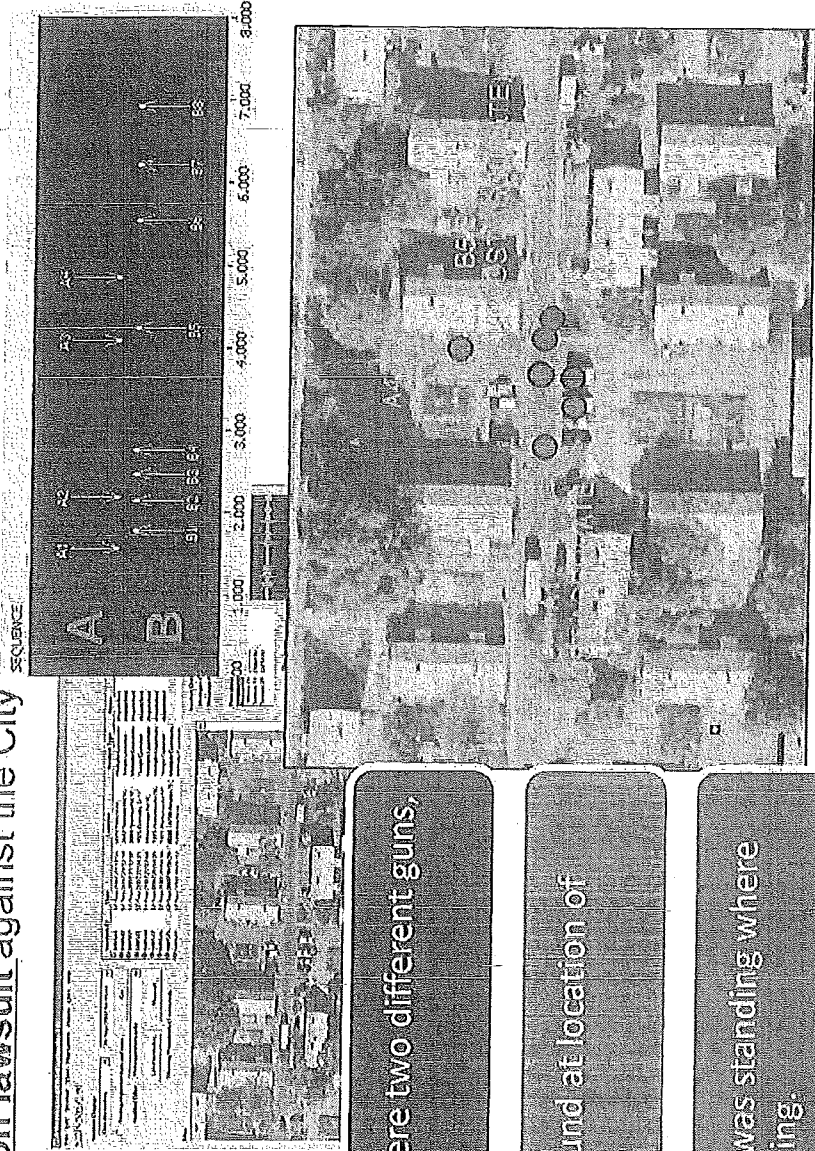
- 14 year-old boy steals motorbike from off-duty police officer
- Officer follows boy, gun battle ensues; officer shoots and kills boy
- Responding crowd takes boy's gun; looks as if officer killed an innocent child
- Parents file a \$100 million lawsuit against the City

- ShotSpotter Data Proves:

There were two shooters. There were two different guns, one higher caliber than the other.

Shooter A shot first. Boy's body found at location of Shooter A's last shot fired.

Shooter B shot second. Shooter B was standing where witnesses say the officer was standing.



Double-homicide scene of shooting identified

Find all incidents between: 1/27/2015 to 06/01/15

and of type(s): Possible Gunfire, Multiple Gunshots, Single Gunshot

Find in coverage area(s):

Search

Zoom To: Sensors, Incidents, Line, Grid

Measure: X Clear

and with comments: [input type="text"]

Address location: [input type="text"]

Files between: [input type="text"]

Distance: [input type="text"]

6493 (Customer: 7344)

4 audio files

0.3m closest: 0.7m farthest

11 sensors participated

0.2m closest: 1.9m farthest

Search Results

Source: MiamiCityFL

Details: 13 ROUNDS

Rounds: 13

Address: 730 195 Ramp 3S127

District:

Beat:

Latitude: 25.82965

Longitude: -80.26287

CAD ID:

Date/Time: 1/24/2015 8:00:07 AM

[View this incident on ShotSpotter's Street website](#) (requires Street login privileges)

[Copy link to ShotSpotter's Street website for this incident](#) (for email, etc)

gdn-pas@shotspotter.com Jan 24 08:00:04

Change number of shots from 6 to 13

[Click to chat with SST about this incident](#)

Map controls: Road, Aerial, Birds eye, Labels, Zoom To, Sensors, Incidents, Line, Grid, Measure, X Clear

6493 (Customer: 7344)

My Account

Help

About

Collecting Casings, Tracking Weapons, Solving Shootings



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From Investigation to Prosecution

- ShotSpotter evidence is solid and accepted
- > Admitted as scientific evidence at trial in CA, NY, NJ, MI, MN, MO, WI, DC, AZ, MA, LA, AL, SC, FL, SC. Over 400 court reports (DFR) provided
- > Continued challenges and legal acceptance via Kelly-Frye evidence examination at trial
- > Expert witness in many cases

> Evidence presented in cases across US

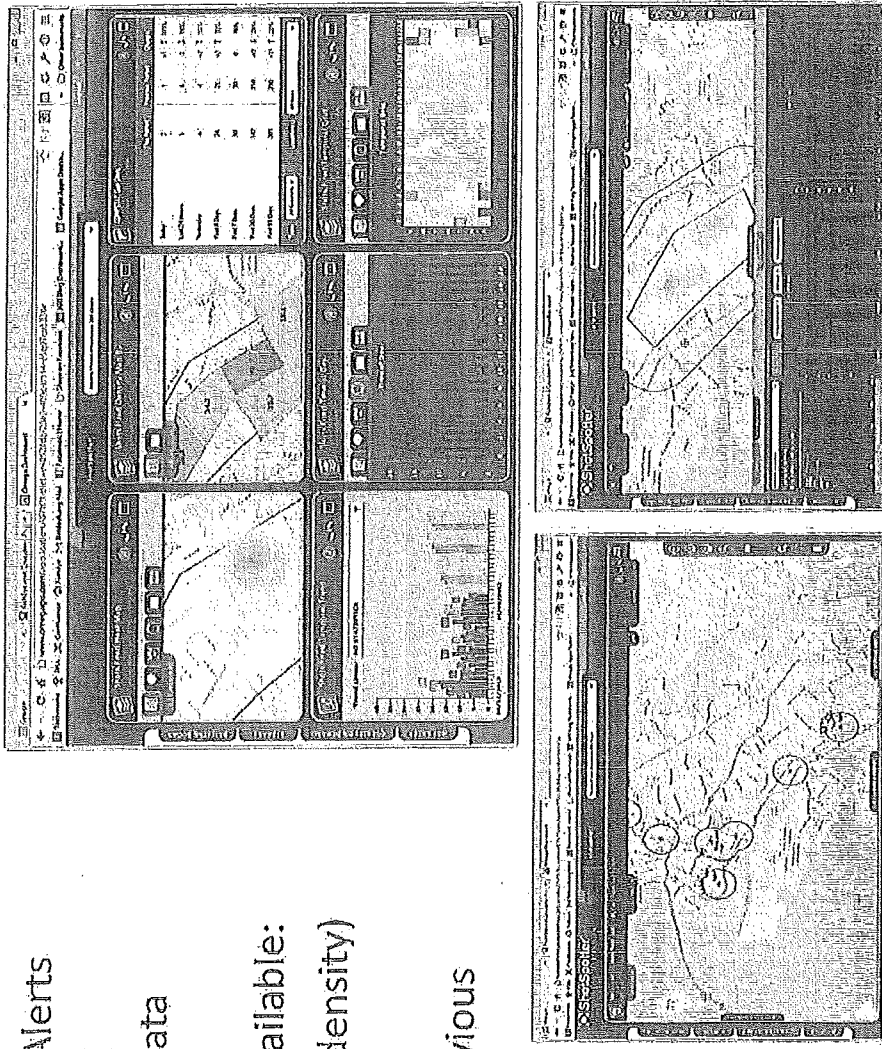
Feb 2009 Century City, CA, People vs Escarzaga, (Prosecution), 2 convictions
Mar 2009 Glendale, AZ, conviction
April 2010 Alameda County, CA, People v Omar Ward (Defense), verdict unknown.
Oct 2010 Monroe County, NY, People v Anthonyiggins (Prosecution), conviction
Oct 2010 Alameda County, CA, People v Johnson (Prosecution), conviction.
Jan 2011 San Mateo County, People v Maldonado (Prosecution), conviction
April 2011 Contra Costa County, CA, People v Bossett (Prosecution), conviction.
July 2011 Rock County, WI, People v Mance (Prosecution), conviction.
Sept 2011 Monroe County, NY, People v Brown (Prosecution), conviction.
Sept 2011 Washington DC, US v McCorkle (Prosecution), conviction.
Oct 2011 Alameda County, CA, People v Barrientos, (Prosecution), verdict unknown



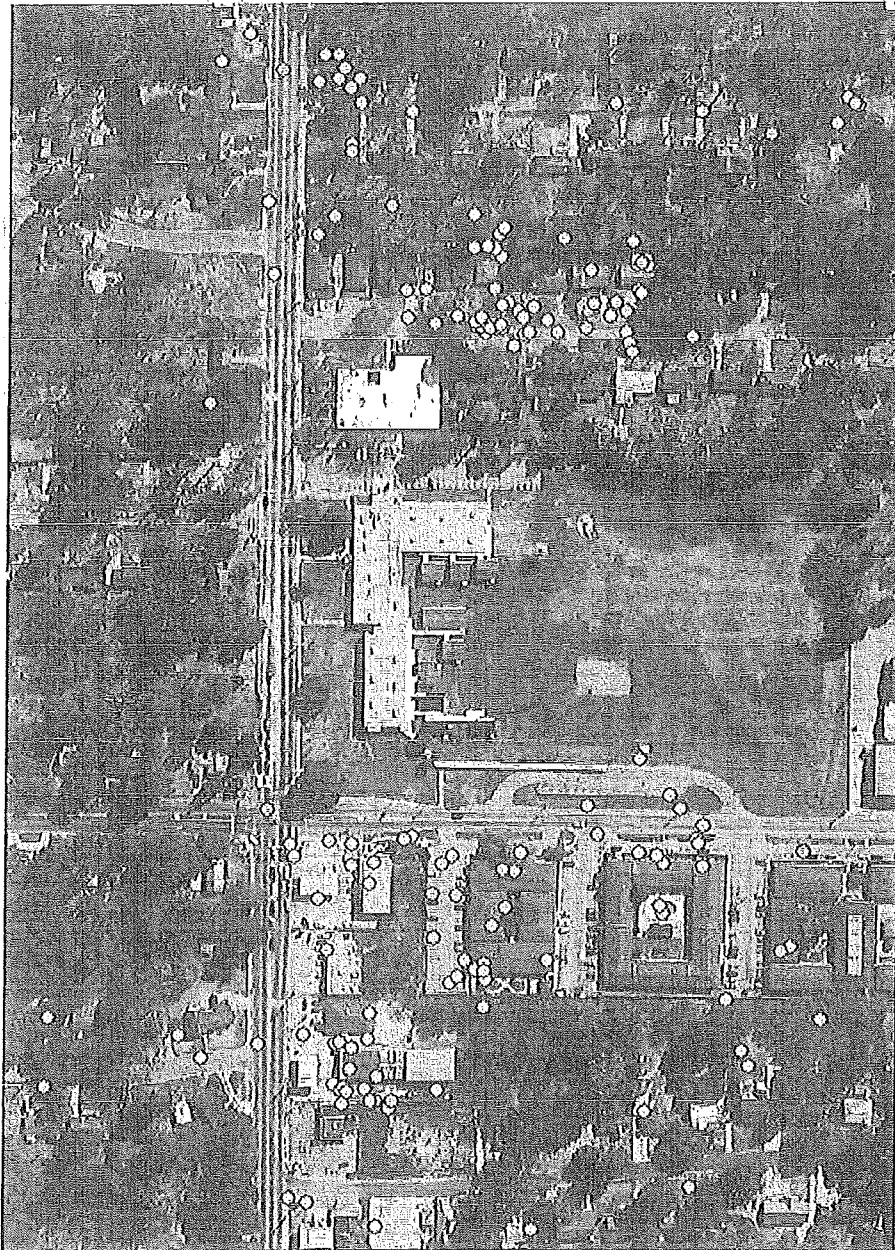
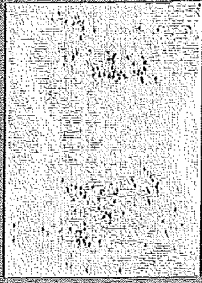
FOSSST™

ShotSpotter Briefing Room

- Crime Analytics tool for Gunfire Alerts
- User-definable or pre-configured “Briefing Books” on shots-fired data from ShotSpotter
- Many types of analytics views available:
 - Heat Map (dynamic kernel density)
 - Pin Map
 - Compstat (change over previous time period)
 - Day-of-Week, Time-of-Day, and Temporal Grid
 - Trailing frequency/trends
- All definable by:
 - user-defined time periods
 - pre-defined geographic areas (e.g. Beats, Districts, etc.)



Hotspot Area 3 – 165 Incidents



Street	Incidents
Belvedere Dr	32
Greenview Dr	12
Key St	43
McDowell Rd	33
No Info	34
Paden St	1
Shepwood Dr	2
Woodbine St	8
Grand Total	165

This hotspot accounts for 6% of the gunfire.

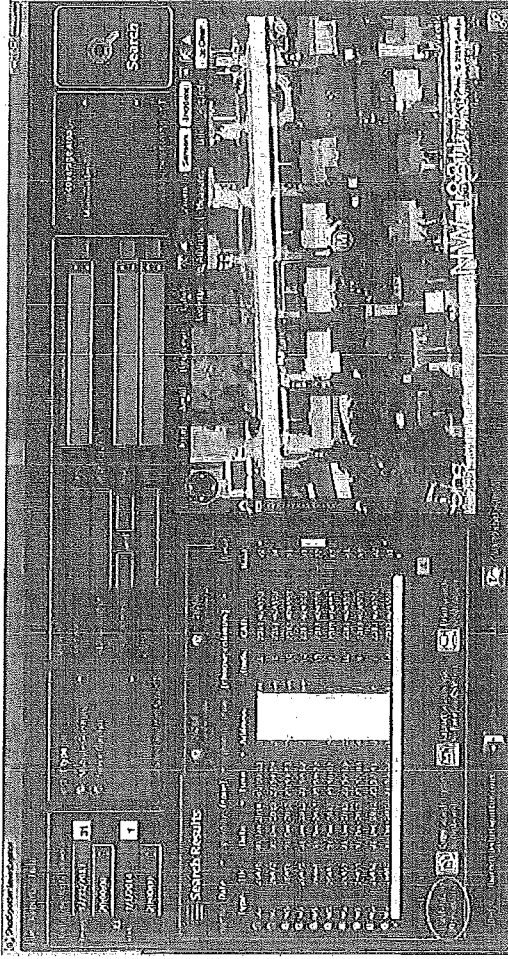
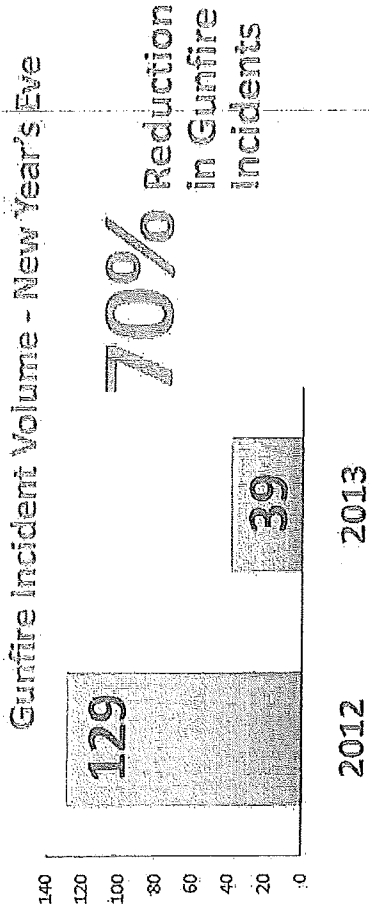
Major Reduction in NYE Gunfire Incidents using ShotSpotter Miami Gardens, FL

New Year's Eve 2012

- 129 gunfire incidents
- Community in fear of "flying bullets"
- High risk of injury or death by gunfire

New Year's Eve 2013

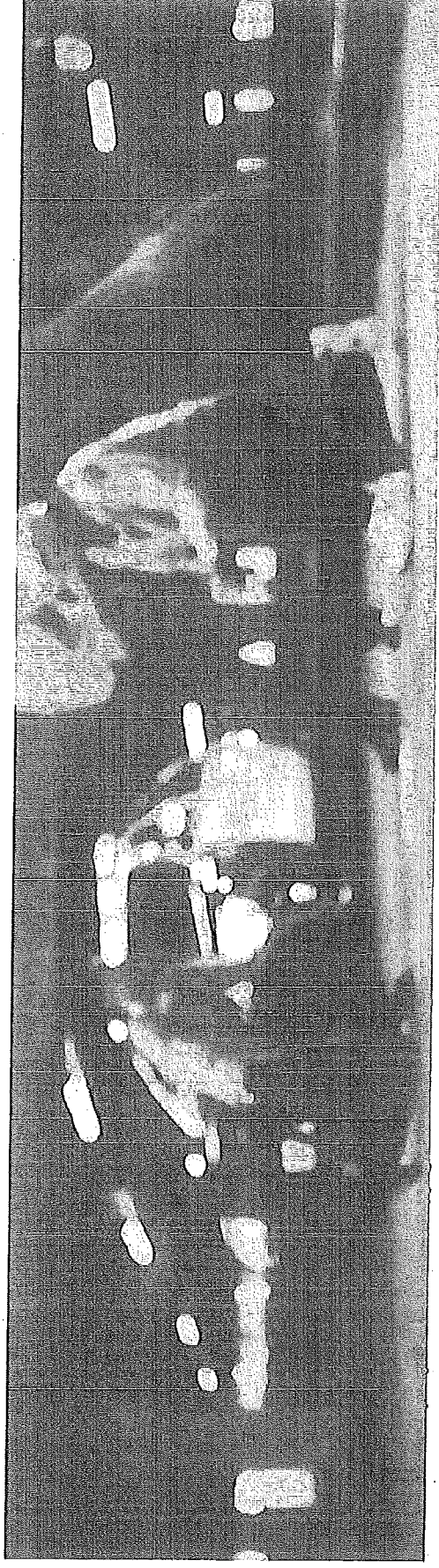
- 39 gunfire incidents
- Prior to NYE, Task Force proactively visited homes where gunfire occurred on NYE 2012
- Advised residents of PD's awareness of previous gunfire
- Aggressive response to all 39 incident locations
- Recovered shell casings (some from high capacity weapons) and submitted to ATF
- Matched gunfire incident locations with parolee/probationer/felon information



ShotSpotter™

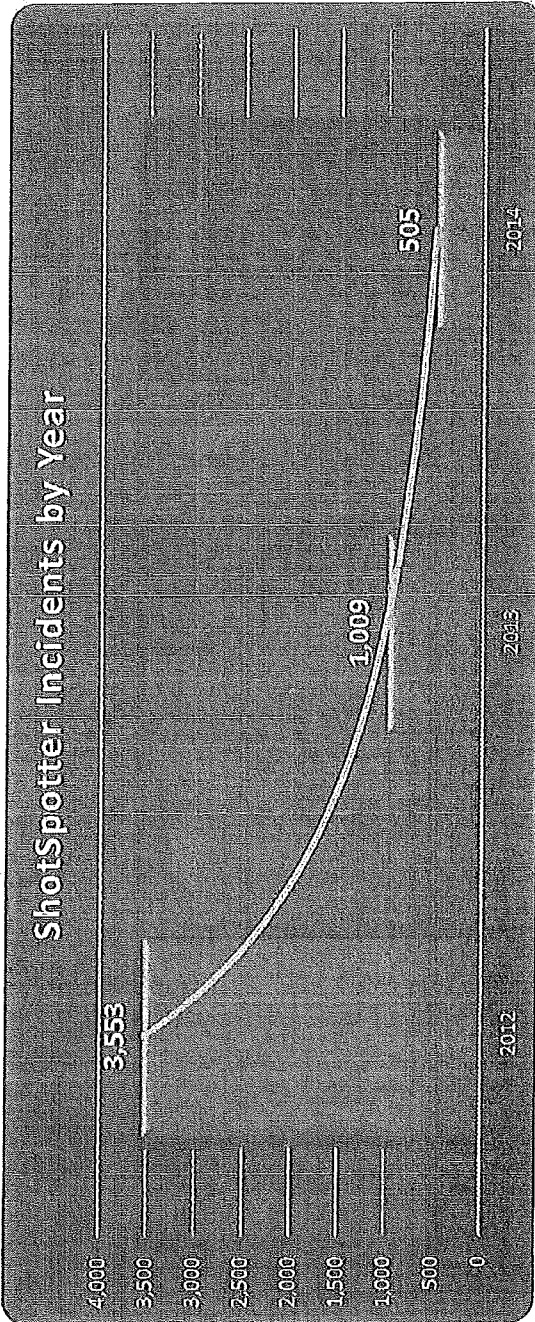
Bring Back the Trust with the Community

- ShotSpotter changes the way first responders interact with the community.
 - Knowledge builds trust and interaction which leads to more intelligence
 - Intimidates the criminals and would-be shooters
 - Builds confidence and stronger community relations

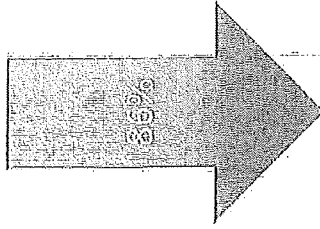


Springfield, MA Police Outcomes

Significant Highlights



Decrease in
gunfire since
2012

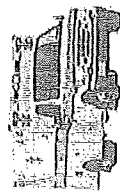


2014 Highlights in ShotSpotter Coverage Area Only



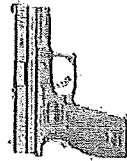
7

Homicides
Discovered



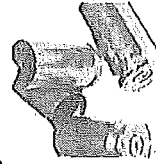
28

Gunshot Victims
Found



8

Firearms
Recovered



68

Incidents with
Shell Casings
Recovered



10

Arrests Made

FOSSST™

Puerto Rico - Changes in Gunfire



San Juan

-66%

San Juan

decrease in gunfire
from May =
November 2013
compared to May =
November 2014.



Bayamon

-19%

Bayamon

decrease in gunfire
when comparing
January = June
2014 and July =
November 2014.



Trujillo Alto

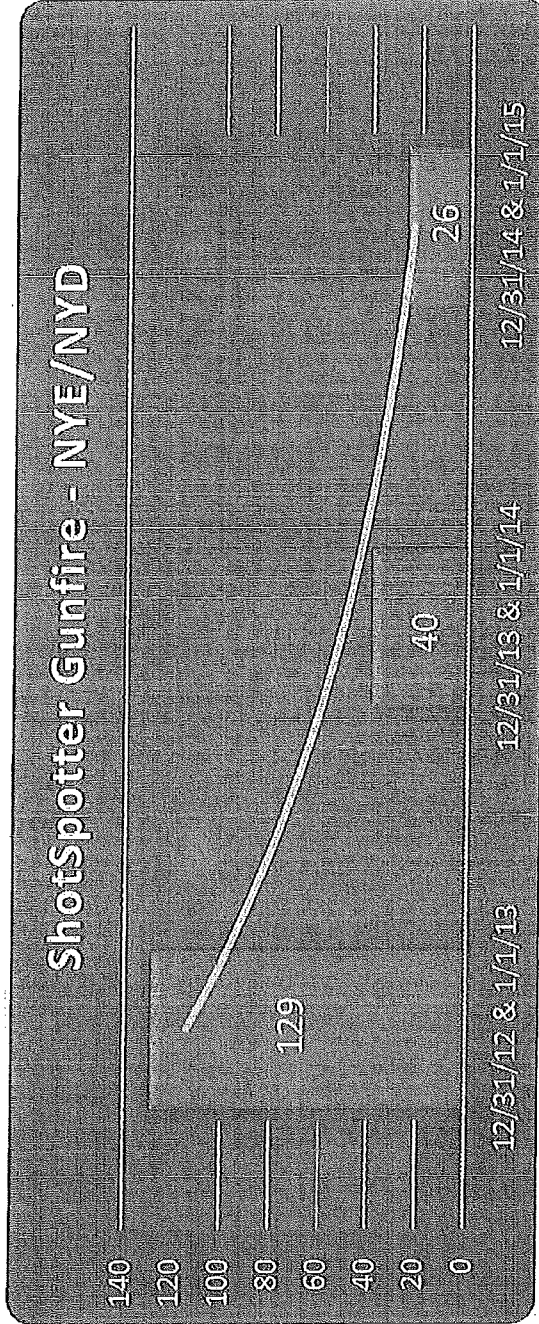
-68%

Trujillo Alto

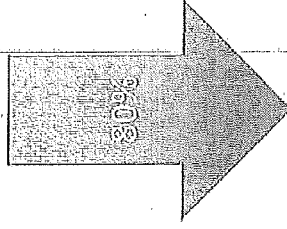
decrease in gunfire
when comparing
June = August 2014
and September =
November 2014.

Miami Gardens, FL Police Outcomes

New Year's Eve/Day Results



Decrease in
gunfire since
NYE/NYD
2012-13



Department Best Practices for Combating NYE/NYD Gunfire



2011 Efficacy Study

ShotSpotter
Geotactical Location System
Crime Data
Analytics

CSG
Analysis

1. Incident & your count

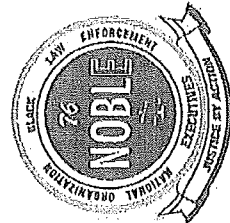
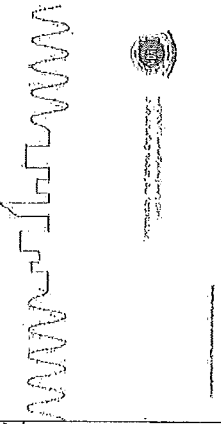
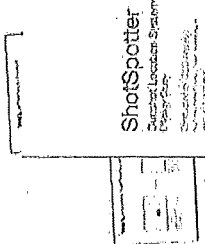
2. Key Findings

3. Summary

4. Recommendations

5. Attachments

6. Footer



The first independent analyst report on the capability and effectiveness of the gunshot location system as a critical technology for public safety and law enforcement. Endorsed by the NOBLE (National Organization of Black Law Enforcement Executives).

Key findings show support a crime scene literally as the department's increase positive community engagement with law enforcement

"It's an incredible benefit to me as a police administrator to be able to walk into a community that in other places may be very hostile or mistrusting of the police. It builds a relationship between the way detectives approach homicide investigations and subsequent dispatch information and subsequent dispatch information to gunshot calls"

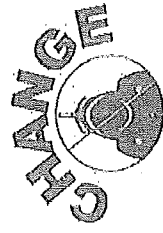
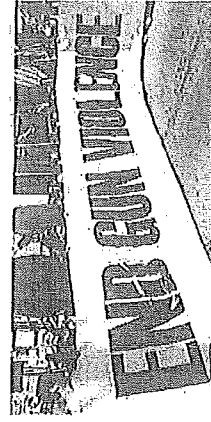
- > Enables a faster response to gunfire
- > Patrol officers trust ShotSpotter data over traditional 9-1-1-calls and subsequent dispatch information
- > Has changed the way detectives approach homicide investigations
- > Provides agencies critical data that was previously unavailable
- > "The benefit to the individual police officer's situational awareness is incalculable."

NOBLE
SST™

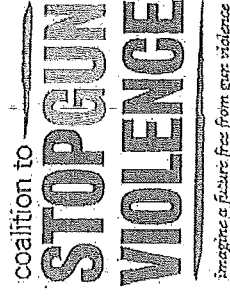
Gunfire Abatement Program Development

First step in the process with SST

- Organization & Community Assessment & Preparedness
- Increasing Your Capacity to Address the Gunfire & Violent Crime Problem
- Community Engagement
- Maximizing Gunfire Detection & Location Data
- Best Practices & Additional Strategies
- Ongoing & Long-Term Planning



STOP GUN VIOLENCE



Just Ask Our Customers

"The more we expand [Shotspotter], the more accurate it gets."

Chief of Police Cathy L. Lanier
Metropolitan Police Department,
Washington D.C.

"Now when we pull up on a scene, we have 100 percent knowledge if there was actually a shot. It makes your approach different."

Sergeant John M. Delaney
Springfield Police Department,
Springfield, MA

"We get there sooner, which means we're more likely to catch the person responsible. For an injured person, it can be the difference between living and dying."

Former Chief of Police Charles H. Ramsey
Metropolitan Police Department,
Washington D.C.

"It gives us the audio and the exact location within ten feet."

Officer Sean Sullivan
Springfield Police Department,
Springfield, MA

Ask Our Customers

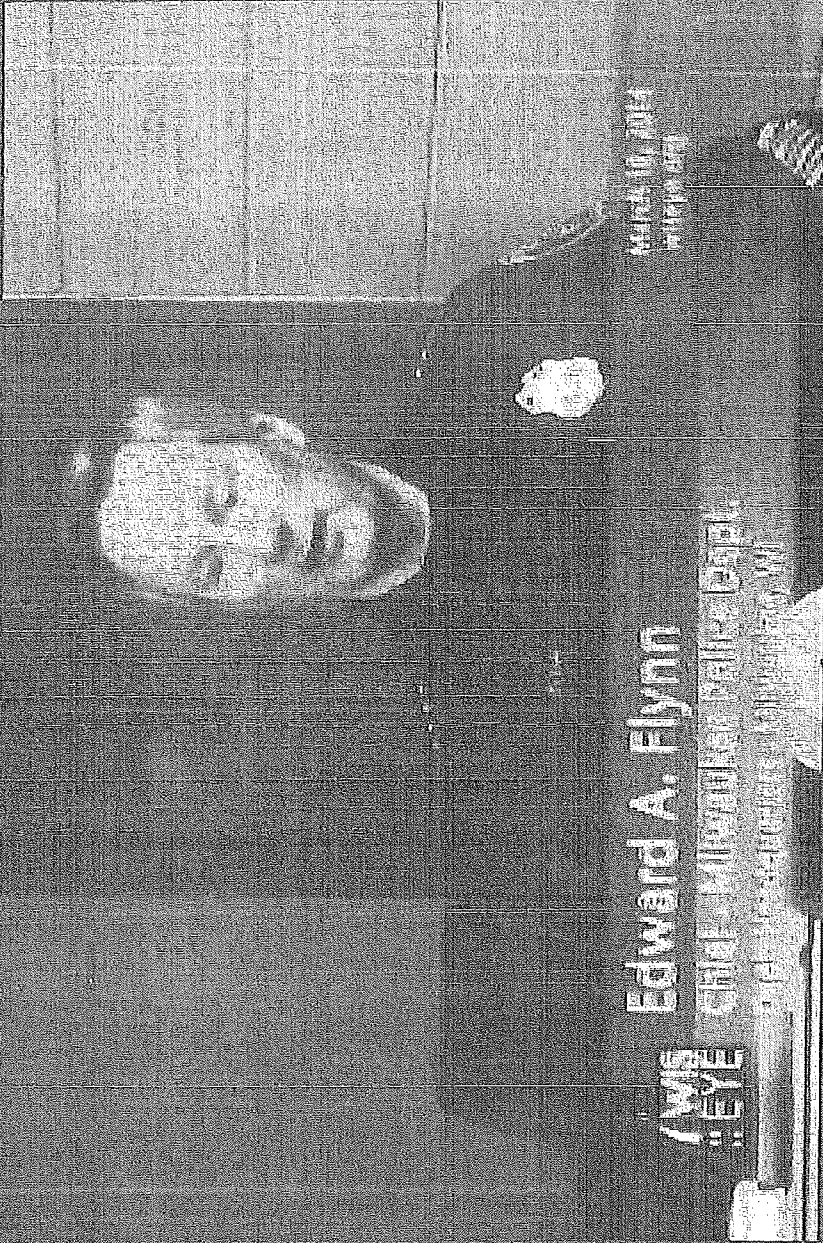
"Evidence from the ShotSpotter system and the city's public safety video cameras has been used in 'hundreds' of cases since it was first installed four years ago, often corroborating other bits of evidence or assisting investigators with solid proof of people's whereabouts."

Deputy Chief Rob Allen
Minneapolis Police Department
Minneapolis, MN

"[ShotSpotter] was one of two crucial elements to providing probable cause [for arrest]."

Former Chief of Police Charles H. Ramsey
Metropolitan Police Department,
Washington, D.C.

18% Reduction in Gunfire Incident Volume in ShotSpotter Coverage Area



Community
engagement
and
presence
improved
greatly

Edward A. Flynn
CHIEF OF POLICE
MILWAUKEE POLICE DEPARTMENT

Questions?



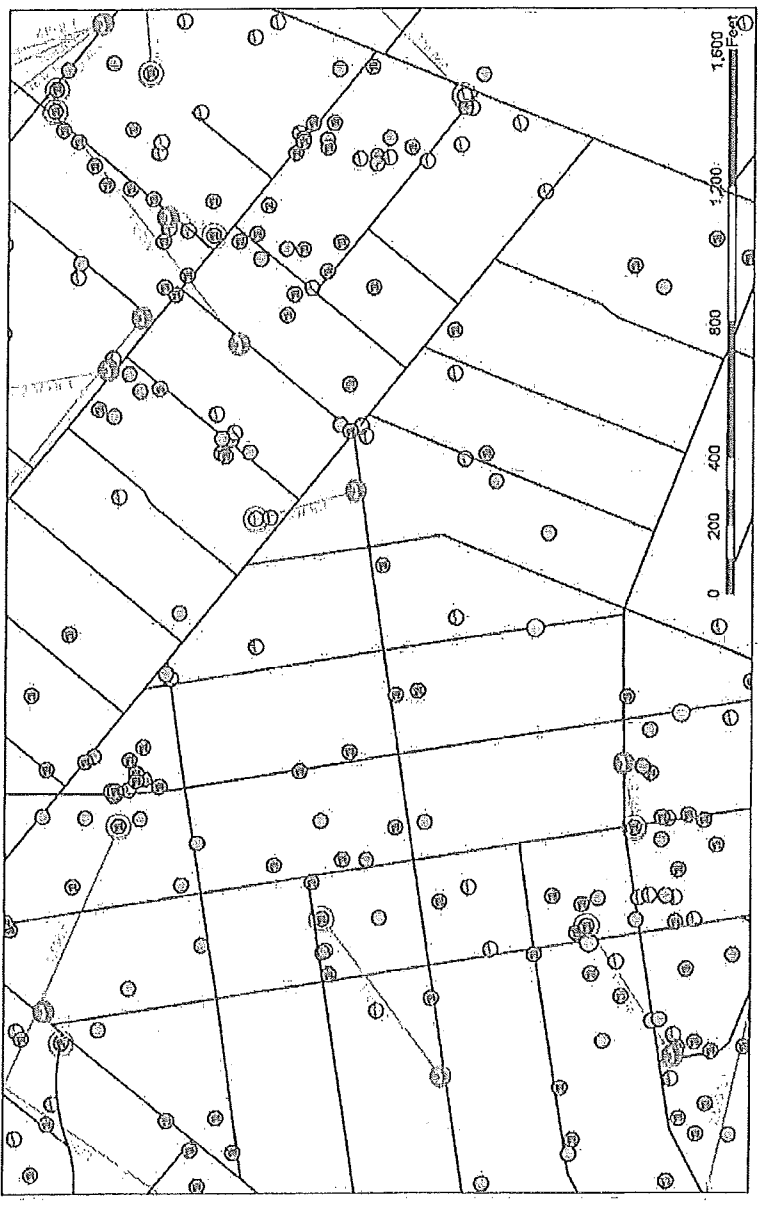
ShotSpotter Flex

Thank you

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The 9-1-1 Disconnect

ShotSpotter Detections and 9-1-1 Shots Fired Calls



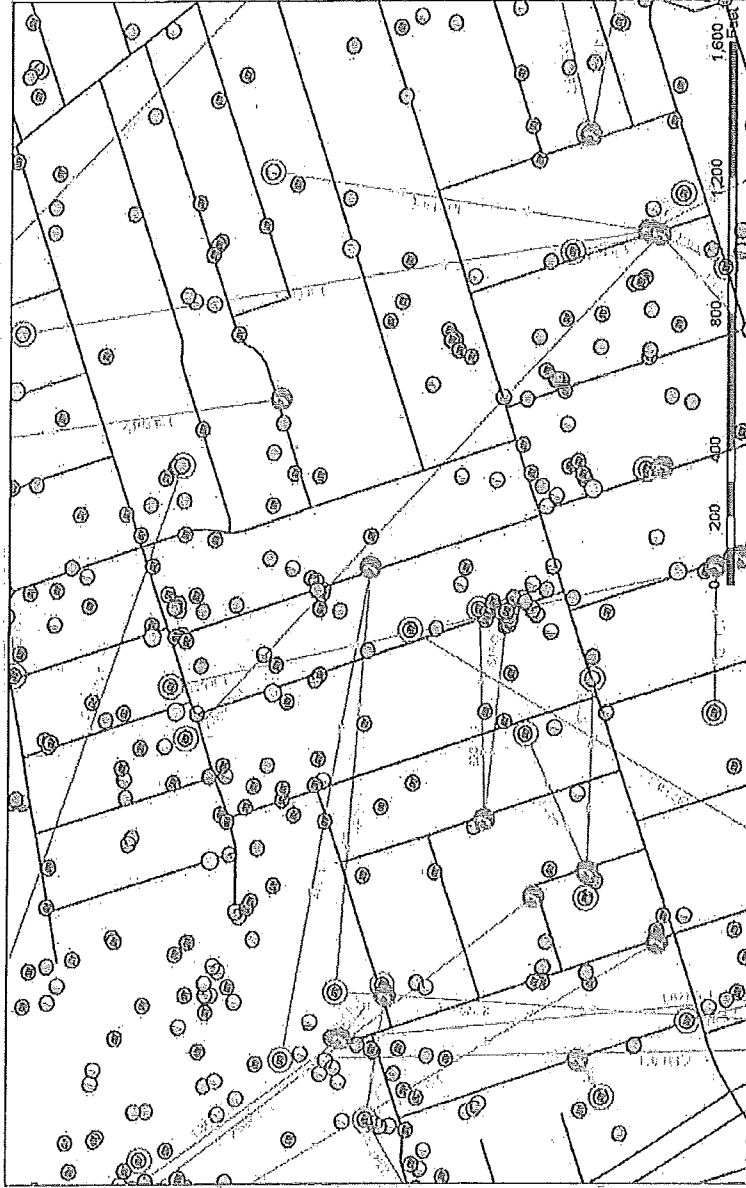
2.02222014

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The 9-1-1 Disconnect

ShotSpotter Detections and 9-1-1 Shots Fired Calls



ShotSpotter Gunfire Detection (400)

- Single Gunshot
- Multiple Gunshots
- Possible Gunshot

9-1-1 Calls: Shots Fired (65)

- Uncorroborated 9-1-1 Shots Fired call
- Confirmed 9-1-1 Shots Fired call

2.02232014

Homicides, GSW's and Gunfire

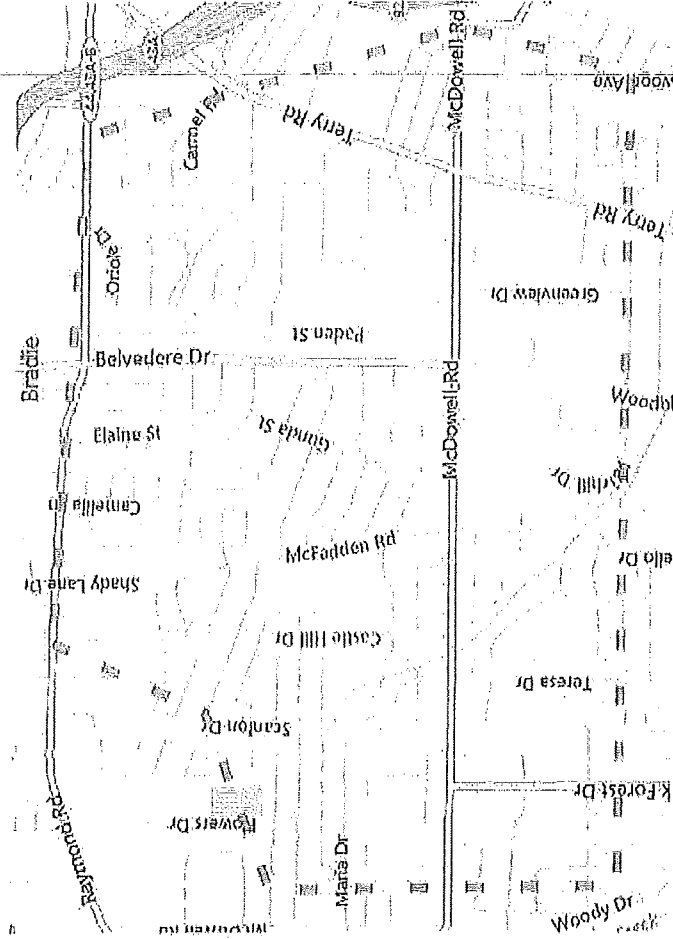
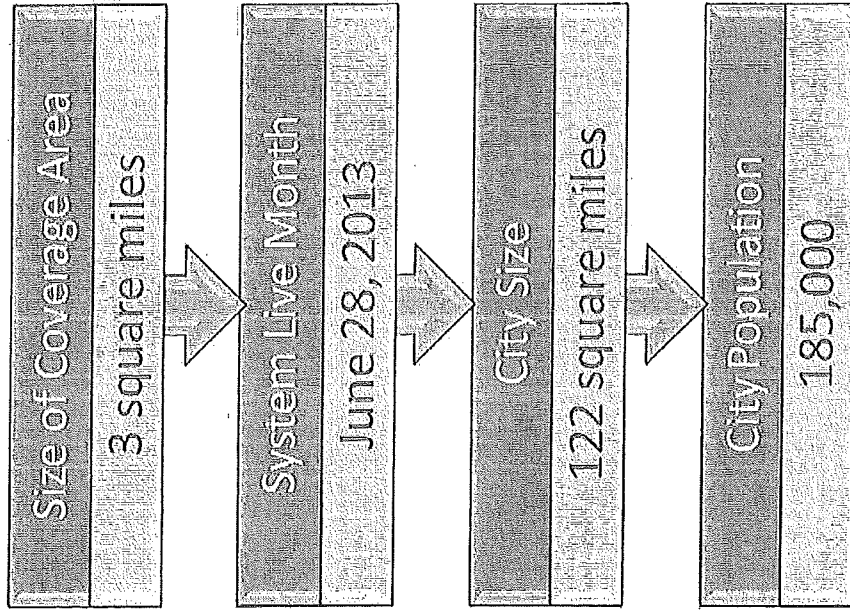


FOI SSI™

Predictive Intelligence

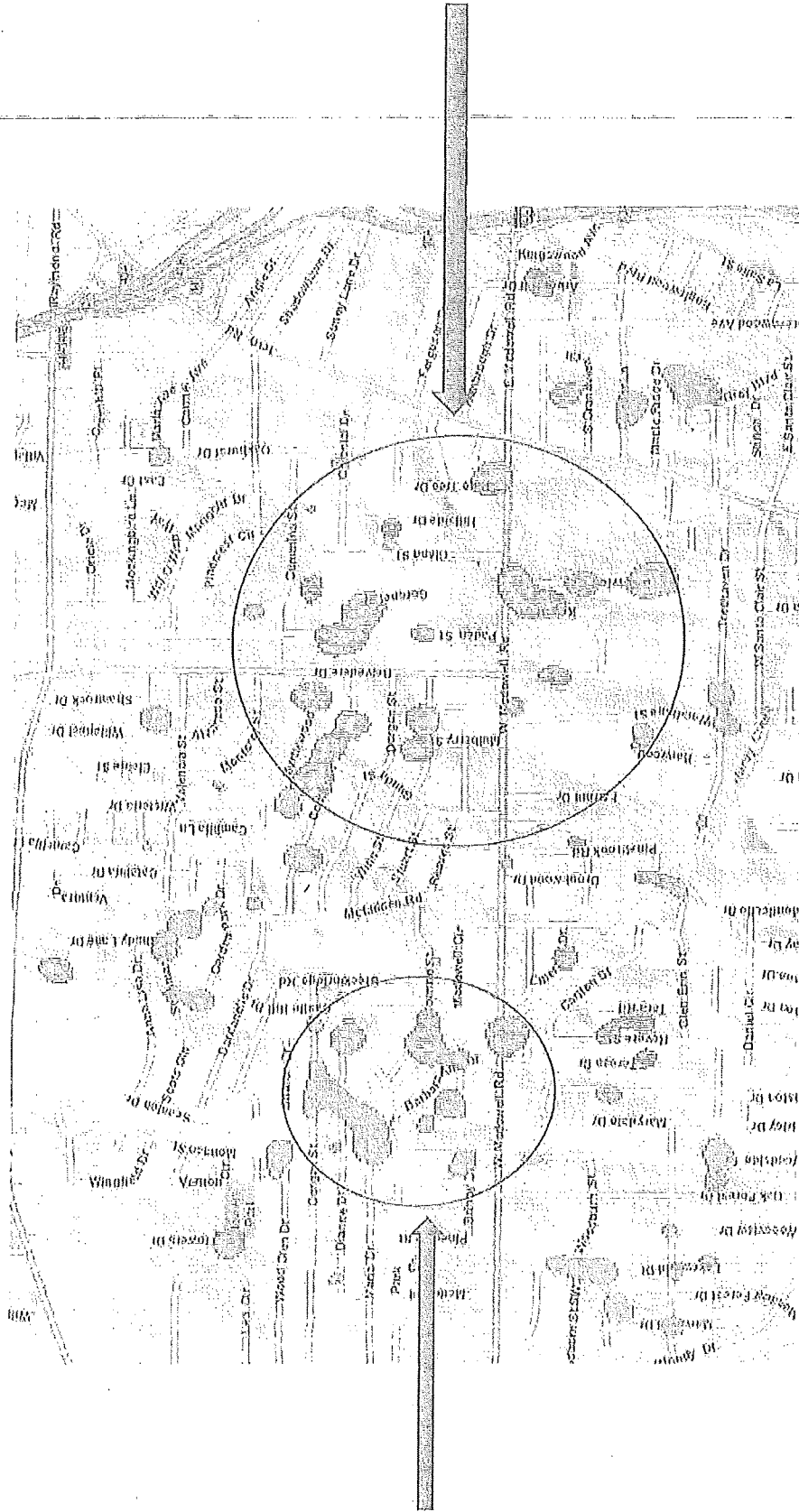
SSI Company Confidential Copyright © 2012

Jackson, MS System Information



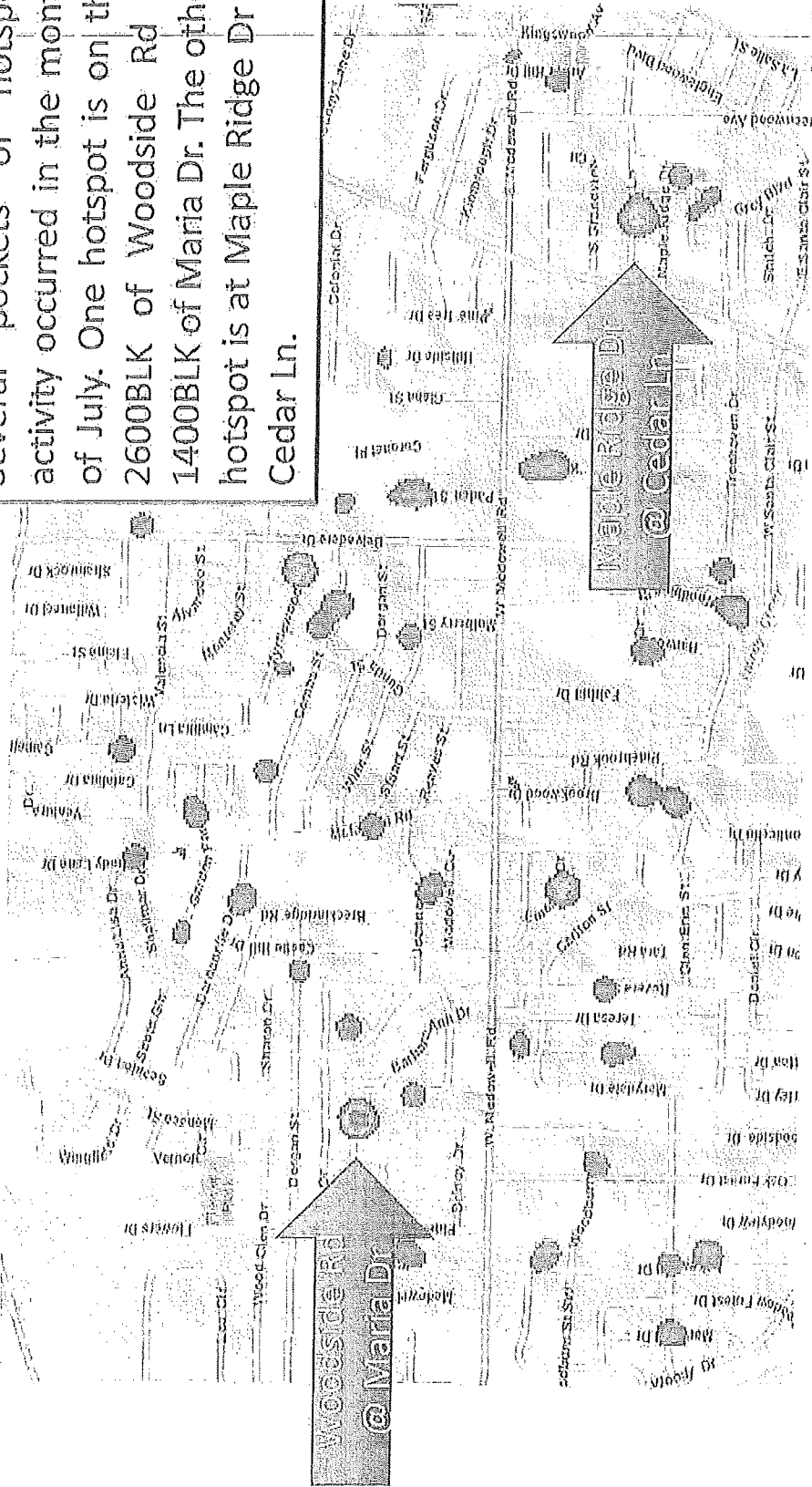
Jackson went live June 28, 2013. For the purposes of this analysis, the data reflected will be from July – October 2013.

Map of Gunshot Activity, less Celebratory 1,021 Gunshot Incidents

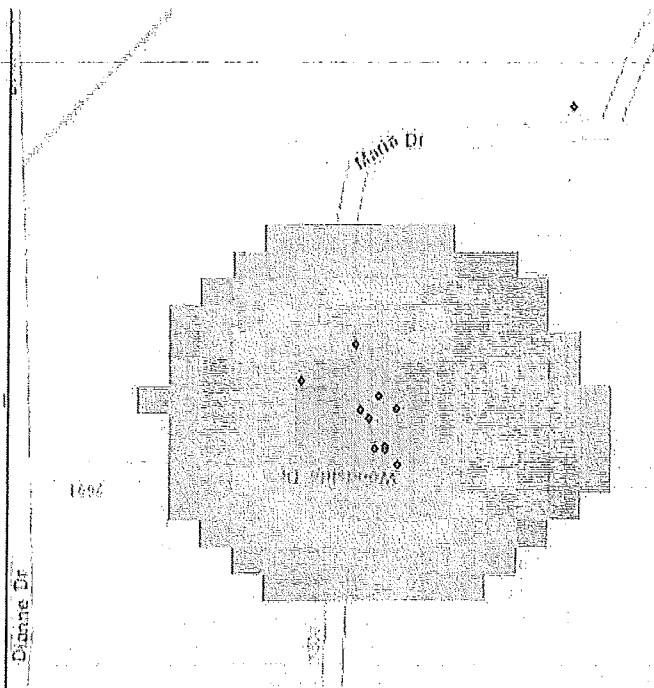
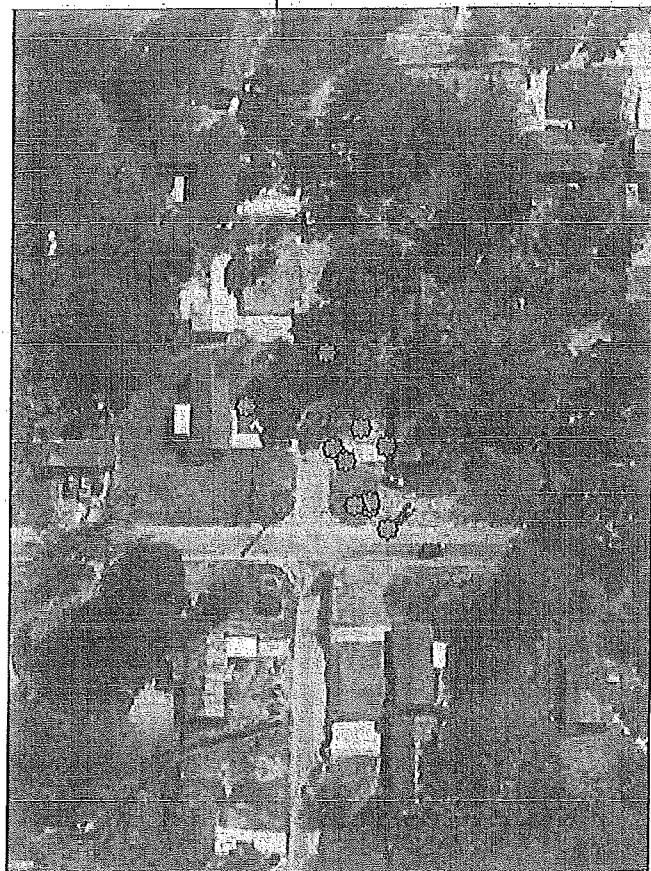


Map - July 2013

Several pockets of hotspot activity occurred in the month of July. One hotspot is on the 2600BLK of Woodside Rd & 1400BLK of Maria Dr. The other hotspot is at Maple Ridge Dr & Cedar Ln.

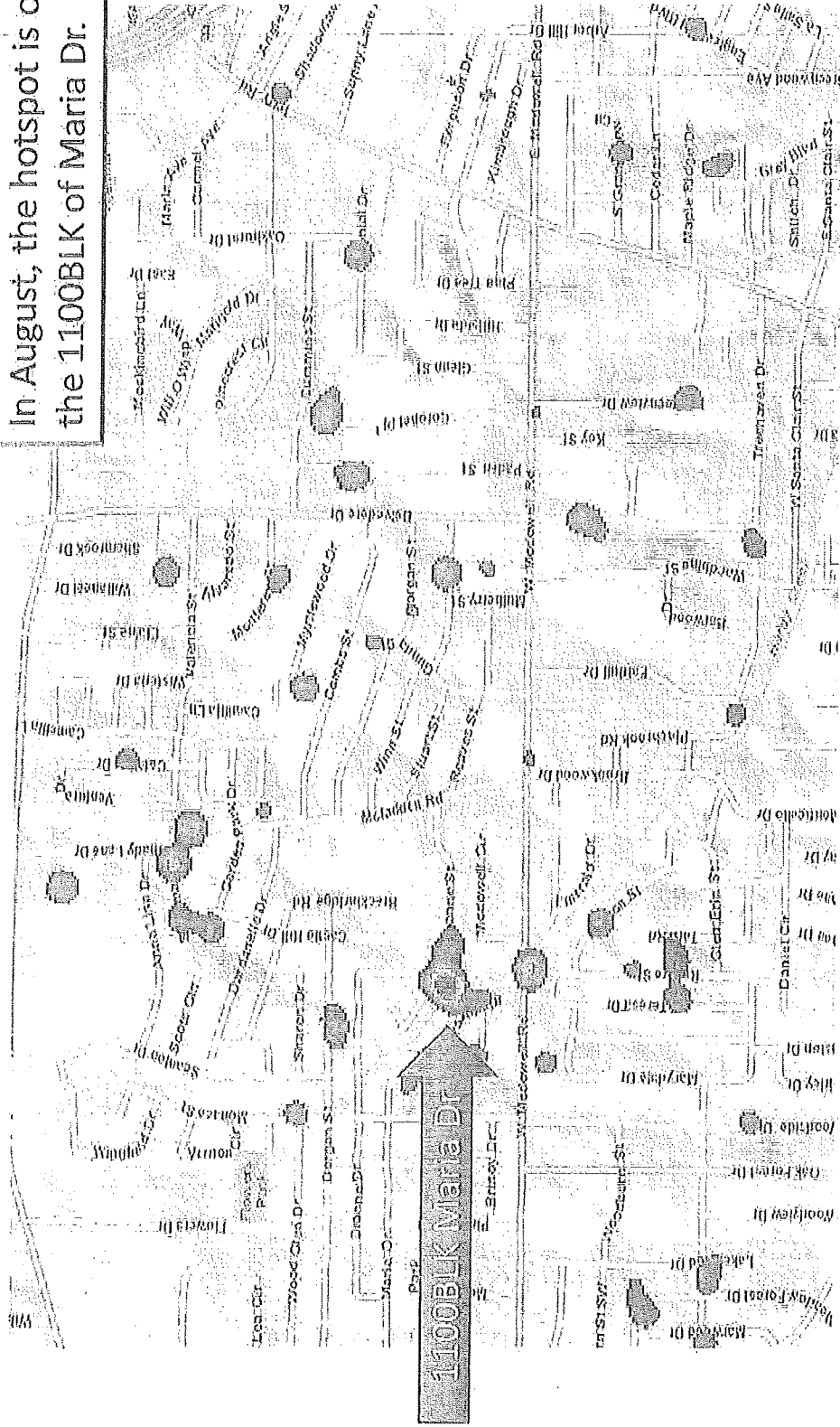


Map - July 2013 - Woodside/Maria

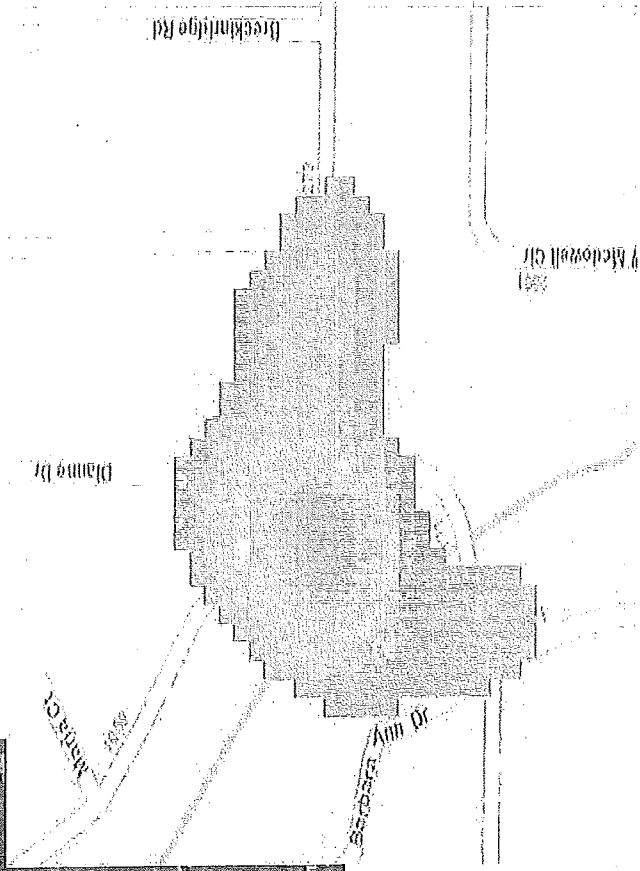
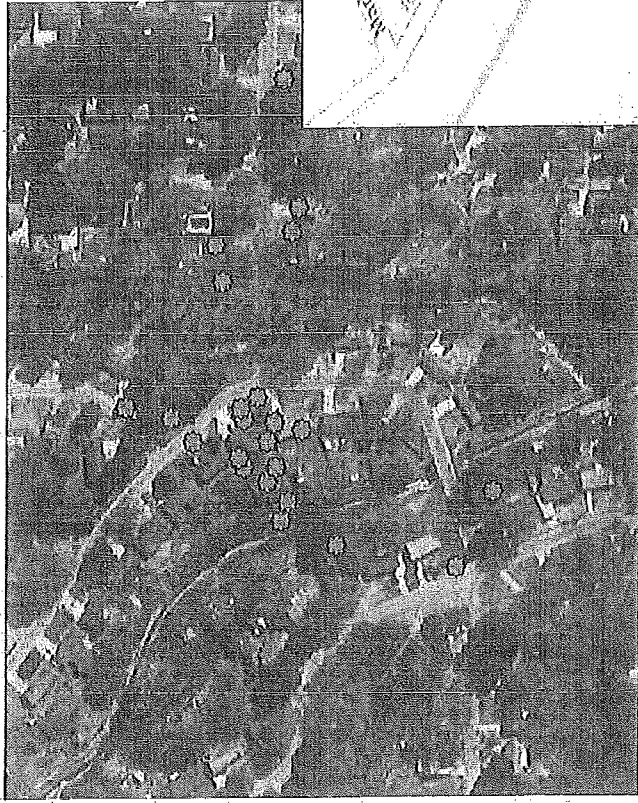


Map -- August 2013

In August, the hotspot is on the 1100BLK of Maria Dr.

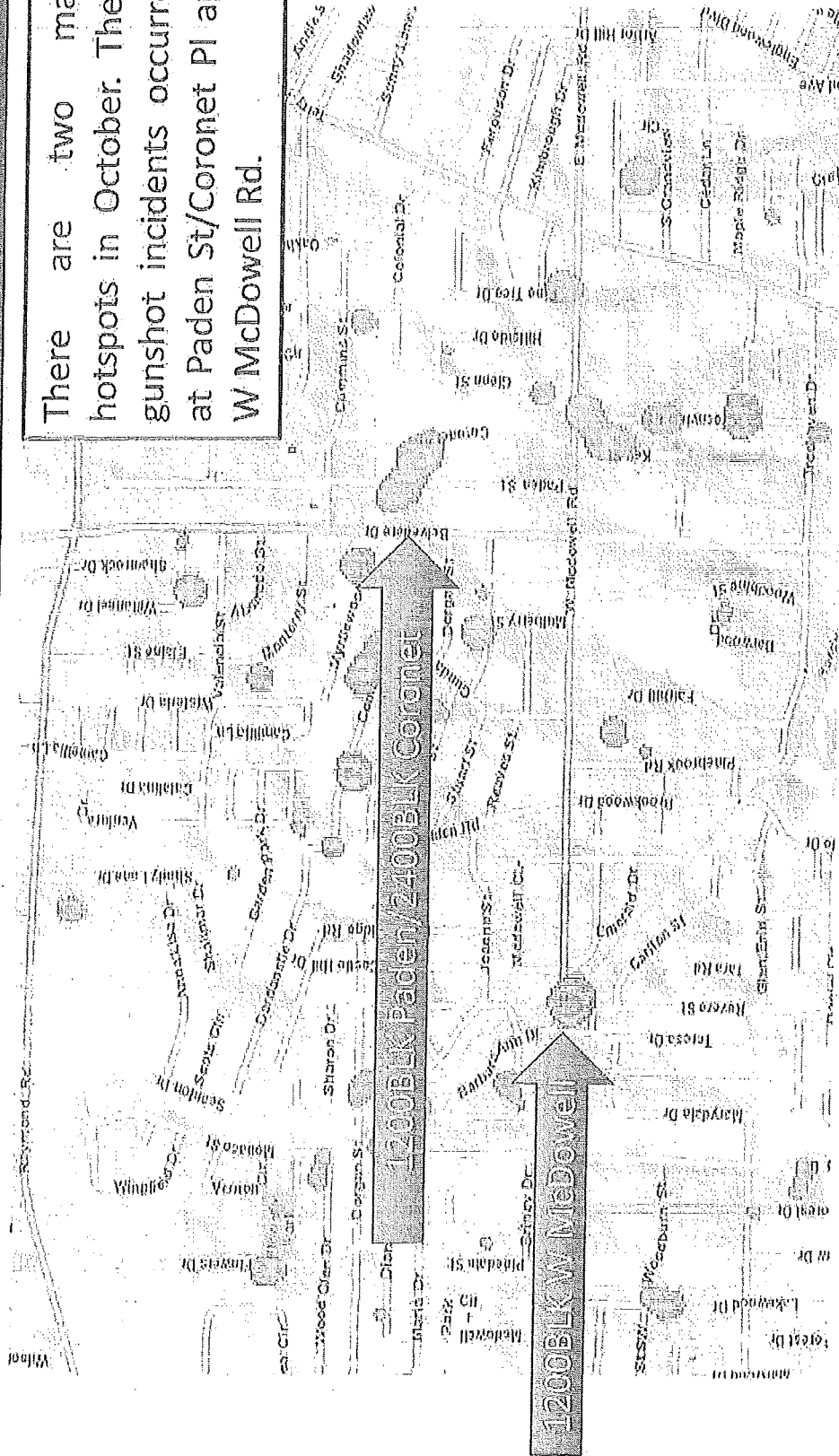


Map – August 2013 – 1100BLK Maria Dr

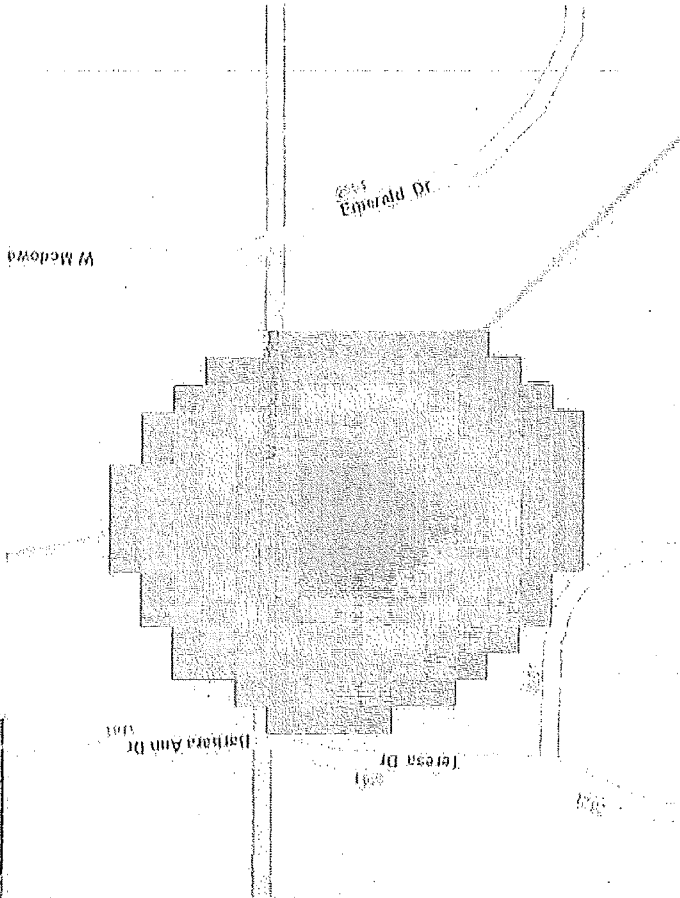
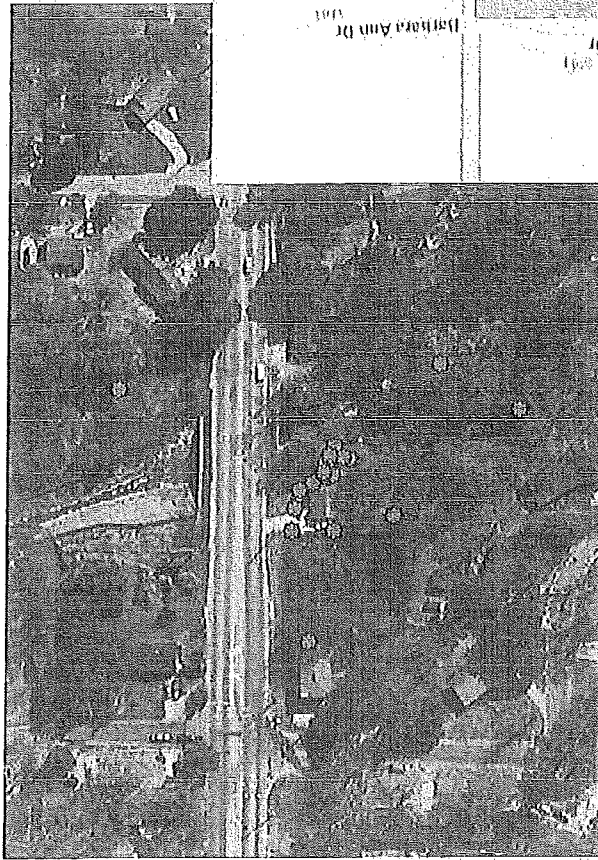


Map - October 2013

There are two main hotspots in October. These gunshot incidents occurred at Paden St/Coronet PI and W McDowell Rd.



Map – October 2013 – W McDowell Rd



Outcomes and Analytics

Springfield, MA



Response Scorecard

ShotSpotter gunfire alerts	605
Evidence acquisition - weapons	3
Evidence acquisition - collected in a field location	78
Victim ID/Field Interview	28
Support ID/Field Interview	
Witness ID/Field Interview	

Investigation Scorecard

Post-incident investigations from ShotSpotter alerts	100%
% of investigations including ShotSpotter alerts	100%
Arrests	100%
Charge filed/Cases in Prosecution	100%

Integration Scorecard

Neighborhood Identification & Analysis	100%
Data & Intelligence Integration	100%
Press/Team coverage	100%
Community engagement	100%

ShotSpotter Outcomes Scorecard Springfield Police Department

January 1 - December 31, 2014 (Coverage area 6 square miles)



In 2014, ShotSpotter detected 505 gunfire incidents in the Springfield, MA coverage area. These gunfire events led to additional action taken by the police department to provide first aid to victims, discuss shooting with eyewitnesses, recover evidence, seize weapons and make arrests. Springfield's hard work and dedication to responding to ShotSpotter incidents greatly assisted in reducing illegal gunfire (and those who perform illegal acts) to make the community safer.

Springfield wrote 90 cases based on ShotSpotter gunfire incidents.

There were 240 shell casings recovered. This is nearly 4 casings located in each case.

In one out of 3 cases, a victim was located.



ShotSpotter Incident

Springfield Response Results - 2014

Category	1	2	3	4	5	6	7	8	9	10
ShotSpotter Gunfire Alerts	41	37	62	56	43	35	28	21	16	10
D.A.S. Call for Service for Shots Fired	1	1	1	1	1	1	1	1	1	1
Witness Reported	2	2	36	37	41	39	78	50	28	16
Shell Casings Recovered	21	2	10	13	2	0	2	1	0	2
Additional Suspects Recovered	3	1	1	3	2	0	2	1	0	2
Suspect Leads	1	1	1	1	1	1	1	1	1	1
Suspects Identified	1	1	1	1	1	1	1	1	1	1
Suspects Located	1	1	1	1	1	1	1	1	1	1

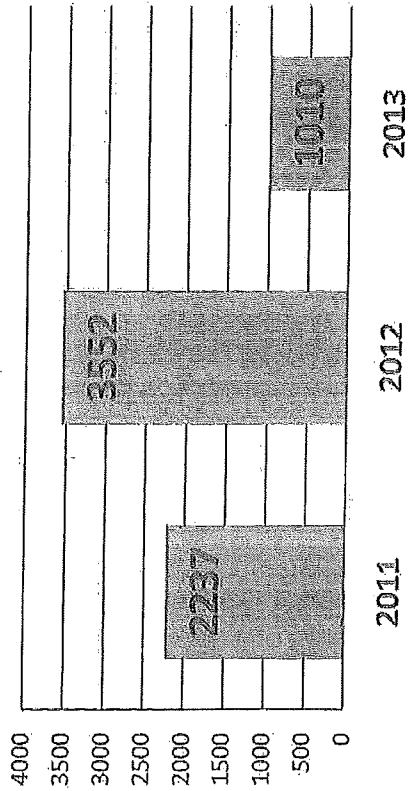
Springfield PD working with ATF to obtain a NIBIN/BrasTrax machine to record and match shell casings.



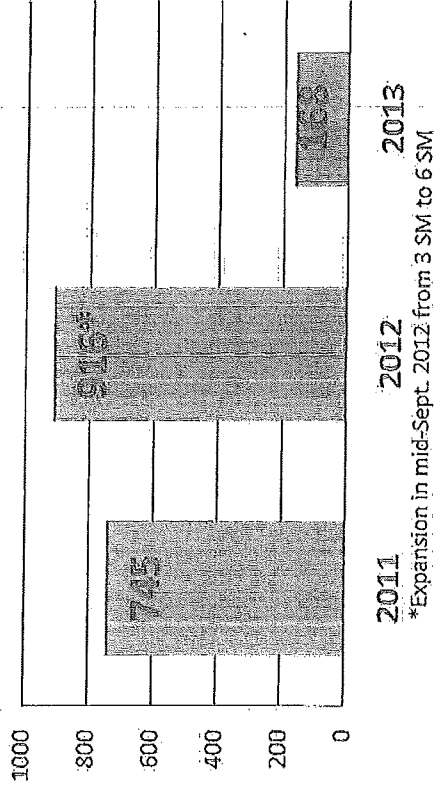
Springfield Outcomes

Springfield, MA

Volume of Gunfire Incidents by Year



Average of Gunfire Incidents by Sq. Mi.

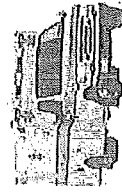


2013 Highlights (where NO 911 calls were received)



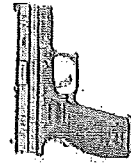
7

Homicides
Discovered



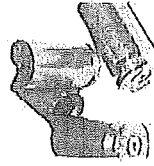
18

Gunshot Victims
Found



14

Firearms
Recovered



51

Incidents with
Shell Casings
Recovered



28

Arrests Made



Miami Gardens, FL

Spatial Activity

Gunfire directed significantly in Miami Gardens. Most of the hotspot activity shifted from the center of the covered area, bordered in red, to the north.



Miami Gardens

85

FEWER SHOTS Occurred in



New Year's Eve Gunfire Miami Gardens, FL 2012 & 2013

The Miami Gardens Police Department sought to make a direct impact on gun violence and celebratory gunfire on New Year's Eve and Day by utilizing analytical data, personal contacts and innovation. Commencing on Thursday, December 26, and continuing through Monday December 30, 2013, the Operations Division's Gun Violence Reduction Squad visited all 129 of the alert locations, and adjoining properties that were identified as locations where guns were fired on December 31st/January 1st last year.

The contacted persons were made aware that gunfire had originated in the vicinity of their address during the 2012/2013 New Year's Holiday and that the Department would be monitoring their locations this year. The citizens were advised that using firearms to celebrate the New Year was dangerous, illegal, and potentially deadly. They were given c-

Miami Gardens, FL Major Reduction in Gunfire Incidents using ShotSpotter Intelligence

Gunfire Incident Volume - New Year's Eve

2012	129
2013	39

70% Reduction in Gunfire Incidents

New Year's Eve 2012

- 129 gunfire incidents
- Community in fear of "light bulbs"
- High risk of injury or death by gunfire
- Reduced and random shooting of weapons
- Increased criminal activity

New Year's Eve 2013

- 39 gunfire incidents
- Prior to NYE, Task Force proactively visited all homes where gunfire occurred on 12/26/2012
- Advised residents of 90% drop-off, e.g. reduced gunfire (including time & location) and number of rounds, reduced gunfire since tolerance of any more gunfire
- Task Force aggressively responded to all 29 incident locations
- Recovered 4000 casing, 6000 rounds from high school weapons and returned to all affected gunfire incident locations with National Probation/Parole information to top 10 groups violence reduction program

FOI SST

Miami Gardens had a 70% decrease in gunfire on NYE/NYD 2013-14 compared to the prior year. This past NYE/NYD, there was a 35% drop.

FOI SST™

Atlantic City, NJ

ShotSpotter Outcomes Scorecard Atlantic City Police Department

May 10 - December 31, 2014 (Coverage area 3 square n

ShotSpotter Alerts	415 Alerts
Evidence Acquisition - Weapons	4 Weapons
Evidence Acquisition - Collected in # of Incidents	11 Incidents
Victim ID/Field Interview	16 Interviews
Suspect ID/Field Interview	0 Interviews
Witness ID/Field Interview	0 Interviews

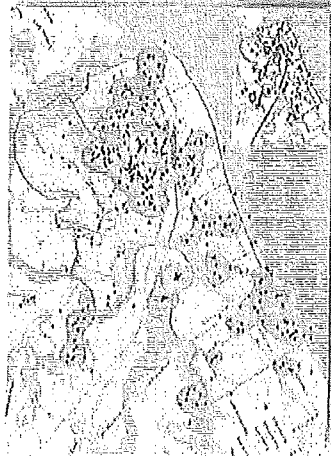
Investigative Scorecard	Investigative Scorecard
Participating Investigators from ShotSpotter Alerts	0
% of Investigations including ShotSpotter data	16%
Alerts	16 Alerts
Charges filed/Cases in Prosecution	0
Convictions & Plea	0

Hotspot Identific & Analysis	0
Data & Intelligence Integration	0
Press/Media cov	0
Community engage	0
Technology integrat	0

Atlantic City Response Investigative Results

Category	Alerts	Investigations	Charges	Convictions	Witnesses	Victims	Weapons	Cost
ShotSpotter Alerts	415	25	25	25	25	25	25	25
Weapons Recovered	4	4	4	4	4	4	4	4
Shots Collected	11	11	11	11	11	11	11	11
Suspect Evidence	0	0	0	0	0	0	0	0
Witnesses	0	0	0	0	0	0	0	0
Victims	0	0	0	0	0	0	0	0
Resolutions	0	0	0	0	0	0	0	0
Investigative	0	0	0	0	0	0	0	0

Atlantic City Gunfire Summary



Atlantic City, NJ has received 415 gunfire alerts from May 10, 2014 - December 31, 2014.

This map indicates the hotspots and location of these gunfire incidents. The coverage area, approximately 3 square miles, is divided into 100 zones. Approximately 50 zones are designated for high priority, indicating a high volume of gunfire occurring within the coverage area and surrounding areas.

The gunfire information collected in this program is a representation of all of the incidents captured by the police department following the alerts they have received from ShotSpotter.

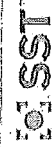
With the aid of ShotSpotter information, Atlantic City has experienced great success in community contact.



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Worcester, MA



May 1 - October 30, 2014 (Coverage area 3 square mile)

ShotSpotter alerts	108 Alerts
Evidence collection - weapons	1 Weapon
Evidence collection - # of incidents	21 Incidents
Victim ID/Field interview	1 Victim
Suspect ID/Field interview	1 Suspect
Witness ID/Field interview	1 Witness

Post-incident investigations from ShotSpotter alerts	100%
% of investigations including ShotSpotter data	100%
Arrests	5 Arrests
Charges filed/Cases in Prosecution	5 Cases

Hotspot Identifies & Analyzes	100%
Data & Intelligence Integration	100%
Press/Media, Coverage	100%
Community Engagement	100%

ShotSpotter Outcomes Scorecard Worcester Police Department

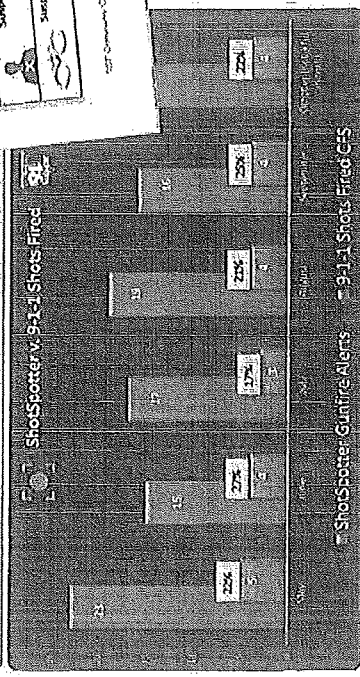
Worcester Response Results

Category	Count	%	Count	%	Count	%	Total
ShotSpotter Gunfire Alerts	23	21%	27	25%	28	26%	108 (100%)
9-1-1 Calls for Service for Shots Fired**	5	22%	2	8%	4	17%	24 (22%)
Weapons Recovered	0	0%	0	0%	0	0%	2
Shots/Gunfire Recovered	10+	25%	1	3%	43	22%	100+
Additional Evidence Recovered	2	9%	2	7%	7	33%	21 Incidents
Suspect Leads	2	9%	1	4%	2	9%	3
Suspects Identified	2	9%	1	4%	2	9%	3
Suspects Arrested	0	0%	0	0%	0	0%	0

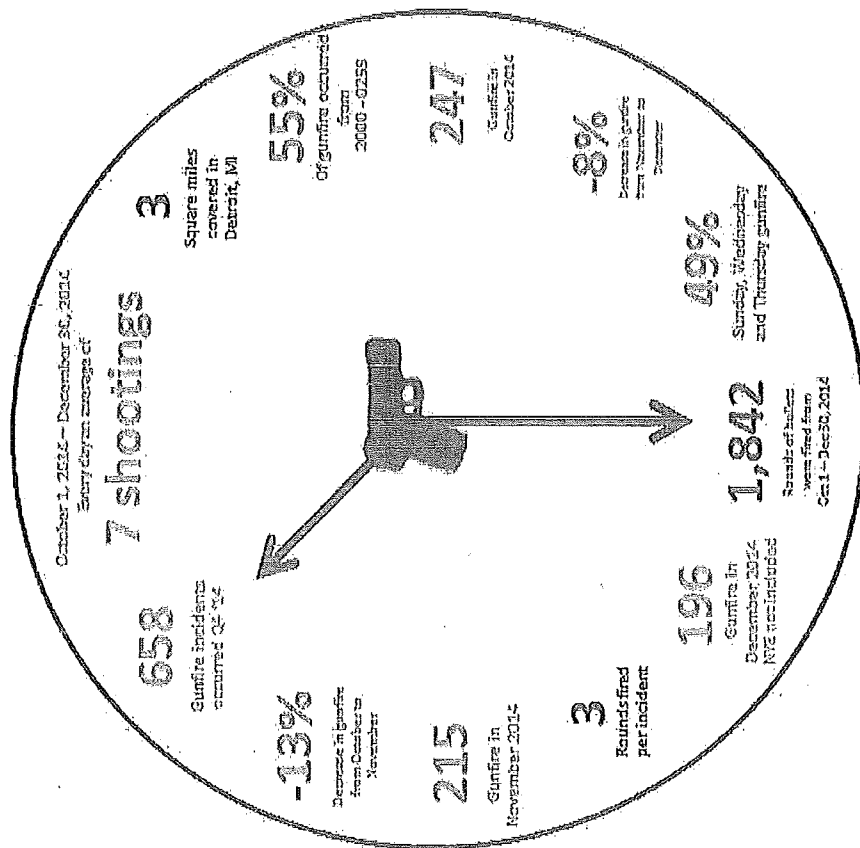
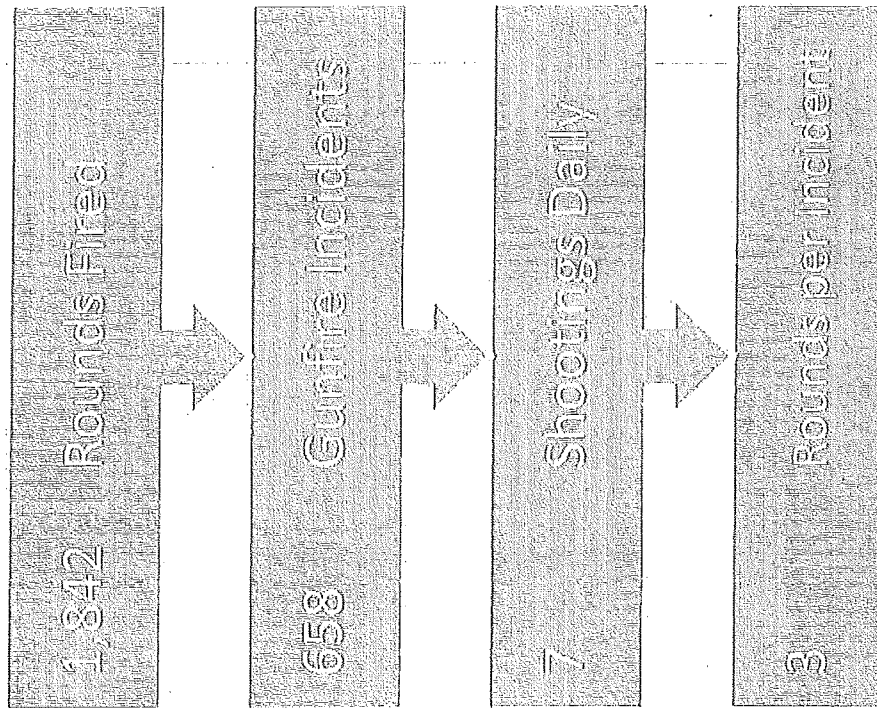
Chief—“<ShotSpotter> is more than just an investment in technology. We believe ShotSpotter is part of an effort, strategy and commitment to improve public safety...”

Shots Fired: ShotSpotter & Calls For Service

On average, 32% of shots fired are called into the police department. This is 1 in 3.



Crime Clock – Detroit, MI



SST™

Fast Track Stats – Detroit, MI

