EXECUTIVE SUMMARY
SHOTSPOTTER
Ordinance 909-2022

Name of Requesting Entity: Chief Drummond, CPD & Chief Howard, Public Safety
Geographic Scope of Project: multiple City Council Wards: Wards 1, 2, 3, 4, 5, 6,7, 8, 9, 10, 11, 12, 14, and 15]

Primary Contact Name Chief Drummond, Commander Brandon Kutz
Email Address ddrummond@clevelandohio.gov, bkutz@clevelandohio.gov
Phone Number 216-623-5011

AMOUNT REQUESTED $**2,758,500**

DESCRIPTION

This funding would extend the existing ShotSpotter license and expand it to 13-square miles (33% of Cleveland's population) in neighborhoods disproportionately affected by gun violence in Cleveland. ShotSpotter is used by police to: 1) respond accurately to a higher percentage of gunfire incidents; 2) improve response times to better aid victims and find witnesses; 3) locate key evidence to identify and prosecute suspects; and 4) engage the community through community policing best practices where the need is great.

Police rely on the community to call 911 if gunshots are fired, but less than 20% of incidents are ever reported on average. This creates a situation where police departments have a large data gap that makes it difficult to be able to effectively "serve and protect" when it comes to gun violence. ShotSpotter fills the gap with a network of acoustic sensors that can detect, locate and alert police to nearly all gunshot incidents. The system is in operation in more than 120 cities and is used by police to: 1) be able to respond accurately to a higher percentage of gunfire incidents; 2) improve response times to crime scenes to better aid victims and find witnesses; 3) help police locate key evidence to identify and prosecute suspects; and 4) engage the community through community policing best practices where the need is great.

ShotSpotter is a proactive program which leads police to gunfire that otherwise would go unreported and is part of a wider gun violence response strategy. Tools like ShotSpotter allow for the police to have more consistent, precise, and rapid responses to gun violence and therefore to build community trust by detecting gunfire more quickly and precisely. It also leads to more consistent detection to lower gun violence in Cleveland neighborhoods where data has shown a spike in gun violence.

Statistics show that ShotSpotter increases the percentage of gunfire reported by 80%, decreases the response time to dispatch by an average of over 3 minutes, increases the accuracy of locating the crime scene by 700 feet, assists with shell casing collection in homicide cases by nearly 40%, and decreases victim transport time by an average of 3.5 min.

In late 2020, ShotSpotter Respond was deployed in key gunfire hot spot areas of Cleveland and it immediately led to results. Addressing the low rate of public reporting, the Cleveland Division of Police (CDP) revealed that in just one year they had received 2,777 ShotSpotter alerts for gunfire incidents that had not been called into 9-1-1. These real-time alerts include a precise location of a shooting, allowing officers to arrive on the scene quickly and better prepared. Already the CDP's increased response efforts are estimated to be at least two times as fast as prior to ShotSpotter and helped them to provide critical first aid to save seven lives.

TIMELINE

The current deployment of the technology in the Fourth District (3 square miles) could start the proposed new three year contract in November, 2022 as our current contract expires. The remainder of the proposed expansion (10 square miles) can go live 3-6 months after the contract is signed. The time is variable due to the complexity of the installation process. Training and Divisional of Police preparation is minimal. This is a 3-year lease but the lives saved and crime prevented in the community will have longer-lasting impacts within these neighborhoods experiencing spikes in gun violence.

IMPLEMENTATION

This work will be implemented by the Cleveland Police Department and will use ShotSpotter as a contractor.

GOALS

1. To accurately and quickly identify gunfire in our community
2. To allow officers to respond safely and effectively to gunfire events to render aid to victims and intervene in criminal activity
3. To provide officers the ability to gather evidence and information to aid in investigations and prosecutions of criminal activity
4. To provide an opportunity for officers to more effectively engage our community and build positive relationships by being at the correct location in a timely manner and by checking on neighboring residents to conduct welfare checks.

COMMUNITY IMPACT

Residents within 13-square miles of neighborhoods which have experienced a disproportionate rate of gun violence will be impacted. The deployment area of 13-square miles represents 17% of the City where 33% of our residents live (approximately 120,000 residents). By increasing the efficiency of our police, it will also allow for residents across the City to receive faster response times to violent crime, thus keeping all residents safer. Improved public safety can also support Cleveland's small businesses by decreasing their insurance and security costs. as well as making Cleveland more hospitable to new, prospective businesses.

DIFFERENTIATION

Cleveland is one of 120 cities contracted with ShotSpotter. ShotSpotter has contributed to reductions in shootings or gun violence in neighborhoods where ShotSpotter is deployed in these cities. While Cleveland is not alone or set apart by using this technology, it will make Cleveland a safer city and therefore make Cleveland a more inviting place for unique and distinguishable businesses, cultural attractions, and innovations to be established.

FINANCIAL LEVERAGE

The current deployment of Shotspotter has been supported by funding through a non-profit foundation (The Catherine L & Edward A Lozick Foundation via the Cleveland Police Foundation). The leadership of the granting foundation has expressed interest in advocating for other non-profit foundations to participate in a public/private collaboration for continued expansion and deployment of this technology. Further, in other jurisdictions, medical institutions have entered into financial partnerships with government entities due to the potential of quicker medical response to victims of gunfire events, thus providing a public health benefit to the covered areas. Although this has not been explored in Cleveland, it is a potential avenue for future funding.

ENVIRONMENTAL SUSTAINABILITY

ShotSpotter allows police to locate gunfire more precisely and more efficiently, thus cutting down on police vehicle gas.

BUDGET

Current deployment (3 square miles):
- · $210,000 per year
- · $9,500 per year for the API interface (into the RTCC and CAD)
- · ONE YEAR Total: $219,500
- · THREE YEAR Total: $658,500

Expansion (7 additional square miles):
- · $70,000 one-time startup fee if we do not sign a 3 year contract
- · ONE YEAR Total: $490,000
- · THREE YEAR Total: $1,470,000

West-side Expansion (3 additional square miles):
- · $30,000 one-time startup fee if we do not sign a 3 year contract
- · ONE YEAR Total: $210,000
- · THREE YEAR Total: $630,000

Total 13 Square Mile Deployment
- · ONE YEAR: $919,500 (plus $100,0000 one time set up for expansion without 3 year contract)
- · THREE YEAR: $2,758,500