Police Technology Update
December 10, 2019

Chief Paul F. Williams

Springfield POLICE

Current Highlights

- **Mobile (In Car) Video Camera Systems (MVS)**
    - All patrol, traffic and SIU vehicles

- **License Plate Readers**
    - Mobile Units-3

- **Mobile ID (fingerprint scanners)**
    - In patrol and investigators vehicles-80

- **Leads on Line**
    - Pawn shops
    - Metal recycling

- **Crime Analysis and Mapping Software**
    - Internal
    - External
- **Drones**
    - Investigations
        - Crime scenes
        - Traffic crashes
- **Security camera network** (recorded but not monitored)
    - Downtown
    - All City facilities
    - Traffic Cameras (monitored)
        - In progress-recording of City owned cameras
    - Park Facilities
        - In Progress

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The Future

- **Radio Upgrade**
  - P25 compliant
  - Encryption
  - Artificial Intelligence

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The Future

- Body Worn Cameras (BWC)
  - All patrol, traffic and SIU

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The Future

- Avigilon video content analytics software
  - Automated monitoring, search and redaction

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The Future

- Rapid DNA
  - Crime Lab
  - On-site

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The Future

- ShotSpotter
  - Gunshot detection

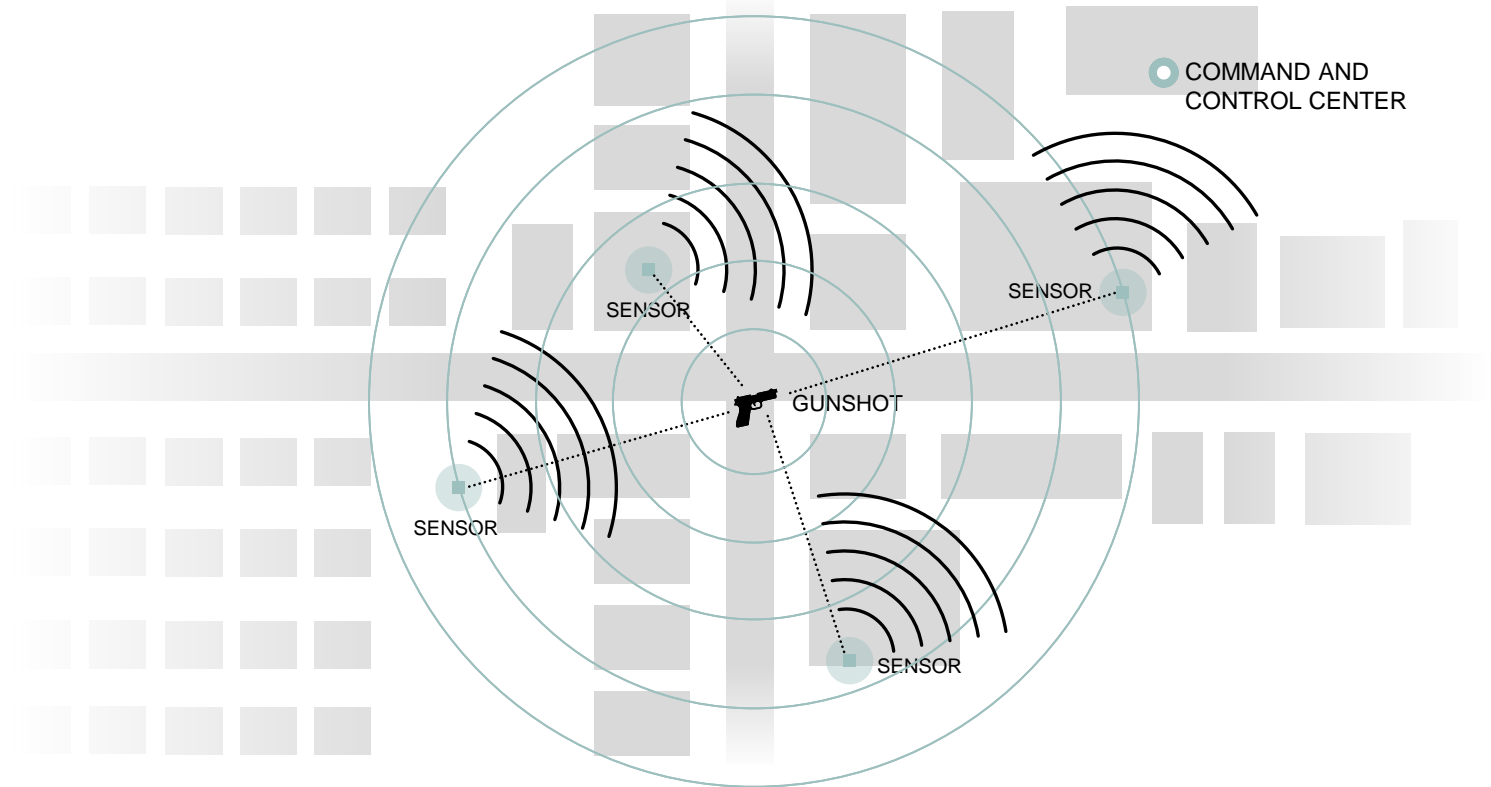**Springfield**POLICE

ShotSpotter®
Detect-Protect-Connect

People call police LESS THAN 20% OF THE TIME

WHEN THEY DO CALL, THE DATA IS LATE, INACCURATE, AND INCOMPLETE

How the ShotSpotter system works

COMMAND AND CONTROL CENTER

SENSOR

SENSOR

SENSOR

SENSOR

GUNSHOT

ShotSpotter Can Tell you…

- Location
- Exact time
- Single or multiple shooters
- Sequence of shots fired
- - High capacity
- - How many rounds fired
- Full auto

Springfield Shots Fired Calls

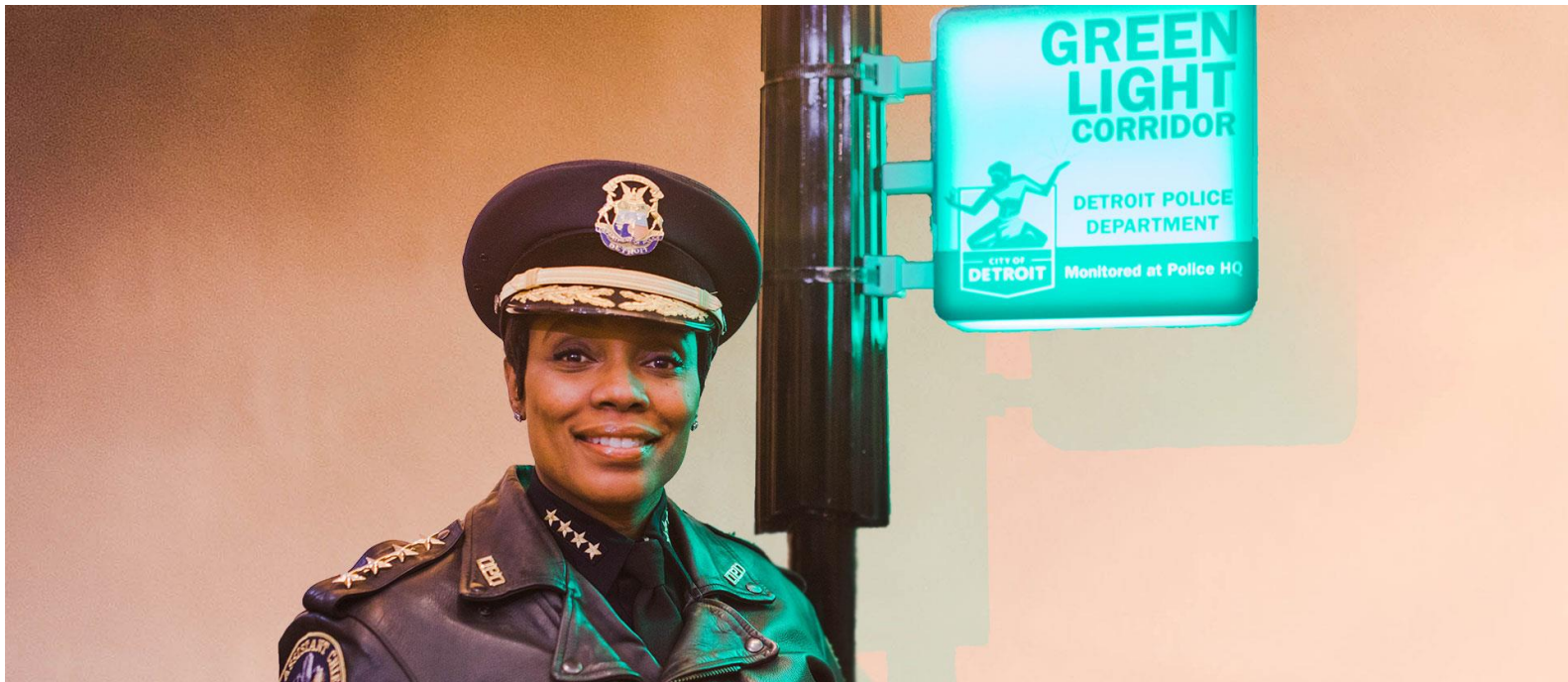# *The Future*

- License Plate Readers (LPR)

  Mobile   Stationary

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The Future

- Integrated public-private security camera network

Real Time Crime Center
2014 City/County Task Force Presentation

- *Real Time Crime Center*- Staffed with non-sworn employees monitoring the video systems throughout the city- downtown, traffic, and private enterprises willing to provide access- and providing "as it occurs" crime information and analysis.
  - *$3,837,131*
    - **$3,000.000*** for facility and equipment
    - **$837,131** -15 non-sworn staff (6-PSR, 6 -Crime Analysts, 3 -Supervisors salary and benefits)

Amount provided by Memphis PD as the cost of their RTCC. This could be reduced considerably if a joint City-County RTCC was created, and an existing facility was utilized.

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Springfield/Greene County Public Safety Center

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Real-Time Crime Center Examples

The Future
In Review

- Radio Upgrade
- Body-Worn Cameras
- Avigilon video analytics software
- Rapid DNA
- ShotSpotter
- License Plate Readers
- Integrated public-private security camera network
- Real-Time Crime Center

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Questions?

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