OPERATION EAGLE EYE

CITY OF JONESBORO

AMERICAN RESCUE PLAN ACT FUNDS PROPOSAL

PROJECT GOAL:

INCREASE SAFETY

IN THE CITY OF JONESBORO

Bottom Line:

More Cameras = Better Traffic Flow, Greater Crime Deterrence, Higher Case Clearance Rate, Better Accident Investigation Results, Greater Parks Attendance, Better Quality of Life

Traffic and Safety Camera Upgrades – $650,000

E911 Dispatch Station Consoles – $140,000

E911 Wireless Headsets – $3,500

E911 Monitor Switching Systems – $9,000

E911 Officer ID Software – $9,000

E911 Dispatch Mapping Monitors – $4,000

E911 Dispatcher Chairs – $10,500

Fire Station Motorola Alert System – $740,000

Fire Respirator Systems – $30,000

First Aid Supplies and AED Devices – $40,000

Animal Control Radio Dispatch System – $5,000

Motorola Radios – $162,000

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Not to Exceed – $1,803,000

WHY IS THIS NEEDED?

- Ongoing traffic issues, more drivers on the road than ever
- Altercations at Parks and Facilities
  - Our children, grandchildren, spouses, and others may feel unsafe in our parks, therefore aren't visiting them
- Outdated equipment at Fire, Police, Animal Control, Dispatch
- Difficulty recruiting and hiring Officers
  - This project means we can do more with less manpower
- Recent thefts and past damage at City properties
- Waning First Aid supplies at Fire Stations
- Using 11+ platforms to retrieve video
  - iVMS, iSpy, Servers, CCTV, IP Addresses, SD Cards, ladders, many more
  - Condensing this to one platform (Avigilon) saves manpower, time, space, and money

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WHAT WE HAVE NOW

Traffic/Engineering Department

- 87 Intersections with signals
- 45 are utilizing cameras
- 36 are recorded to Server or SD Card

Police Department

- 14 Remote Surveillance Units
- 10 License Plate Readers
- 36 recorded Traffic Cameras
- 1 Pole Camera

Parks & Recreation Department

- 22 Parks
- 4 Community Centers
- Jonesboro Shooting Sports Complex
- 15 Parks have some type of camera

Other Departments/Facilities

- City Hall – 41 Cameras
- Police Admin – 23 Cameras
- Justice Complex – 12 Cameras
- JET Transfer Station – 9 Cameras
- Public Works – 44 Cameras

WHAT WE NEED

Traffic:

– Transition 5 intersections to GRIDSMART System

– Update cameras at several outdated intersections

– Purchase encoders, radios, and switches to record as many intersections as possible

Police:

– 10 License Plate Readers

– Video management system (Avigilon)

– Real Time Crime Center

Parks:

– At least one camera at all 22 parks, most will have 3+

– Add LPRs at entrances to major parks

Facilities:

– Increase video security at Public Works, JET Transfer Facility, Community Centers, Pool Center

COST-EFFECTIVENESS THROUGH PARTNERSHIP...

Traffic Analytics

- Better traffic flow
- Decrease amount of equipment on traffic lights
- Reduce install time from days to hours
- Better statistics: speed data, traffic volume, arrival on green/red, red light runners, left turn movements, automatic reports and notifications
- More recorded intersections to benefit Traffic and Police

- Access to Video Management System

Police Investigations

- Working directly with Dispatch, surrounding Agencies, local Task Forces to solve crimes in real time
- Determining fault in accidents before officers arrive
- View crime scenes in real time
- Call directions or descriptions to officers on scene over the radio

- Access to Video Management System

Community/Park Security

- Park Safety and Security
- Greater crime deterrence
- Greater Parks attendance
- Better Quality of Life

- Access to Video Management System

Facility Security

- Directors/Supervisors ability to view mobile live feed at facility
- Alerts and notifications sent for trespassing during non-business hours
- Cover more area of facilities

- Access to Video Management System

LET'S TALK ABOUT IT

LET'S TALK ABOUT IT

- "You will send me a ticket through the mail."

AR Code § 27-52-111

(1) "Automated enforcement device" means a system operated by a municipality or a department of state government that […]:

(A) **Uses a photo-radar device** that is capable of detecting a speeding violation; and

(B) **Photographs or records an image of the vehicle** used in committing the violation, the operator of the vehicle, or the license plate of the vehicle; and

[…] **an automated enforcement device shall not be used** by a law enforcement agency of a municipality or a department of state government […] to enforce:

(1) A violation of the traffic laws, rules, or regulations of the State of Arkansas; or

(2) An ordinance of the municipality.

(2) If a municipality or a department of state government […] uses an automated enforcement device, then **a certified law enforcement officer must:**

(A) **Be present with the automated enforcement device; and**

(B) **Issue the citation to the violator at the time and place of the violation.**

LET'S TALK ABOUT IT

- "This is an invasion of my privacy."

  - *United States v. Houston (2016)* "There is no Fourth Amendment violation, because [suspect] had no reasonable expectation of privacy in video footage recorded by a camera that was located on top of a public utility pole and that captured the same views enjoyed by passersby on public roads."

  - This conclusion is supported by *California v. Ciraolo* (1986), in which the Supreme Court upheld warrantless aerial observations of curtilage, explaining that the Fourth Amendment does not "preclude an officer's observations from a public vantage point where he has a right to be and which renders the activities clearly visible."
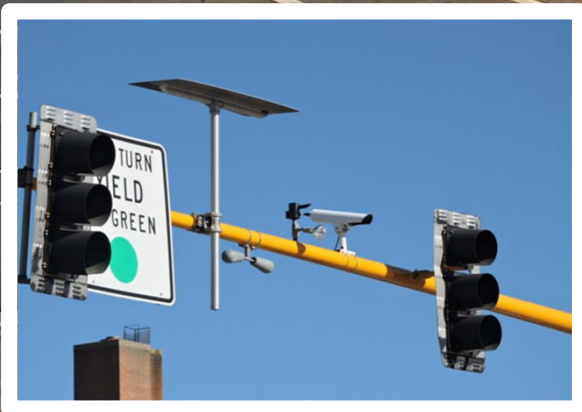
LET'S TALK ABOUT IT

- "You can see into my house/windows/backyard/garage."

  - All cameras are pointed at roadways or parks.

  - If a house or backyard is in view, the software has privacy screens (black boxes) that are used to black out certain areas.

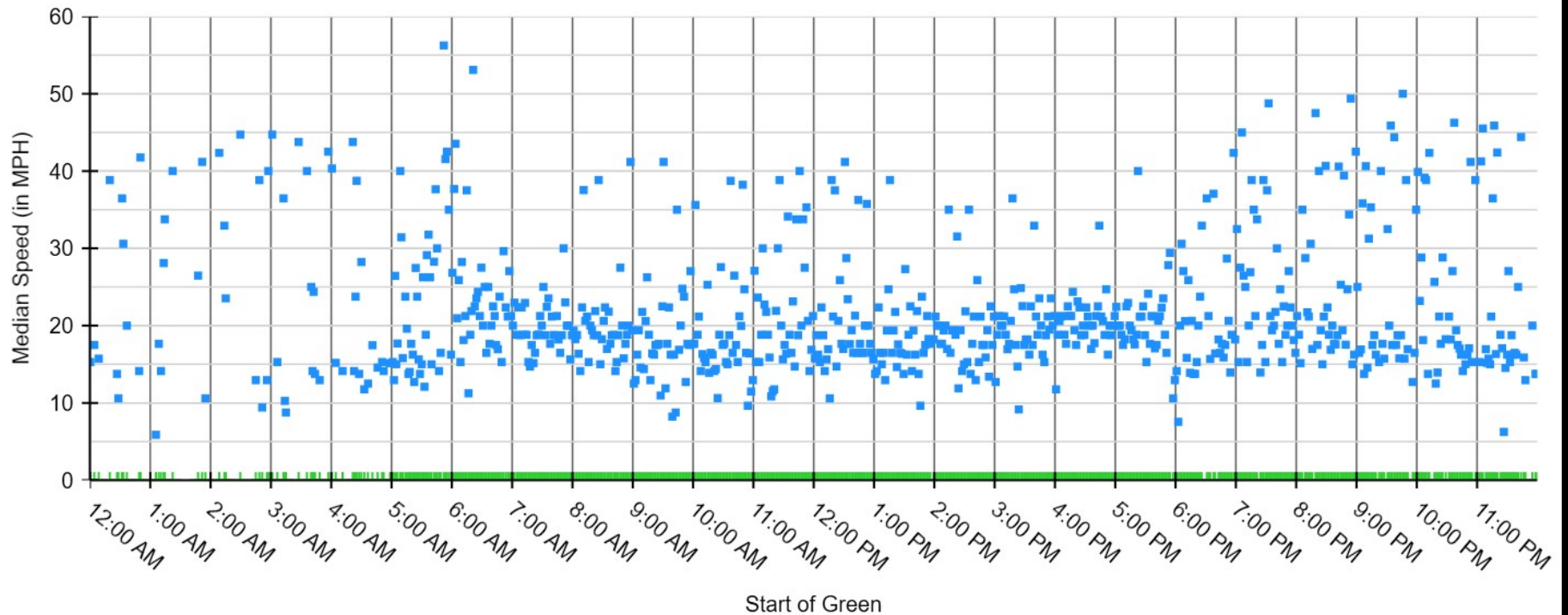 - All recordings are subject to Arkansas FOIA Laws and are purged from servers after 30 days.

GRIDSMART

GRIDSMART

Caraway/Parker	• No LPR, Cameras and Analytics only
Southwest/Parker	• LPR SB
Johnson/Airport	• LPR WB
MLK/Hwy 18	• LPR WB
Main/Johnson	• LPR NB/EB

Location	Notes		Location	Notes
Arch and Henry	SkyCop		Johnson and Clinton School Rd	
Belt and Melrose	SkyCop		Kitchen & Matthews	
Bittle/Fair Park & Highland			Main & Johnson	NB/EB LPR
Brazos & Highland			Main & Nettleton	
Browns & Race/Windover			Main and Highland	
Caraway and Glenn Place	SkyCop		Main and Highland PTZ	PTZ
Caraway & Highland	NB/WB LPR		Main and Huntington	PTZ
Caraway & Matthews			Matthews & Nettleton	
Caraway & Matthews PTZ	PTZ		Matthews & Washington/Marion Berry	
Caraway & Nettleton			MLK & Highland	WB LPR
Caraway & Race			Nettleton & Cain	
Caraway & Wilkins			Nettleton and Hester	SkyCop
Cedar Heights and Melrose	SkyCop		Old Greensboro (351) & Johnson	
Church & Nettleton			Parker Park	SkyCop
Culberhouse & Parker			Race and Fairfield	SkyCop
Craighead Forest Entrance	SkyCop		Rains & Highland	
Dan & Gee			Rains & Nettleton	
Dan & Hasbrook			Red Wolf & Apache-Phillips	
Dan & Henson			Red Wolf & Highland	
Dan & I555			Red Wolf & Highland PTZ	PTZ
Drive D (Mall @ Turtle Creek) & Highland			Red Wolf & King	
Fair Park & Race			Red Wolf & Nettleton	
Flint and Nettleton	SkyCop		Red Wolf & Race	SB LPR
Gee & Washington	SkyCop		Red Wolf & Stallings	
Gladiolus and Harrisburg	SkyCop		Shooting Sports Complex	Remote Surveillance Unit
Harrisburg & Highland			Southwest & Alexander	
Harrisburg & I555 Ramp			Southwest & Culberhouse	
Harrisburg & Parker			Southwest & Darr Hill	
Harrisburg & Windover			Southwest & Kellers Chapel	
Highland & Browns			Southwest & Parker	SB LPR
Huntington and Union	SkyCop		Stadium & Fox Meadow	
Industrial/Kathleen & Highland			Stadium & Parker	
Johnson & NEA Baptist			University Loop & Johnson	
Johnson & Patrick	NB/WB LPR		Veterans Village	Remote Surveillance Unit
Johnson and Airport Rd	WB LPR			

CURRENT LPRS

BELT/MELROSE - EASTBOUND

CEDAR HEIGHTS/MELROSE - EASTBOUND

GEE/WASHINGTON - SOUTHBOUND

HUNTINGTON/UNION - WESTBOUND

NETTLETON/HESTER - WESTBOUND

FLINT/NETTLETON - EASTBOUND

RACE/FAIRFIELD - EASTBOUND

CARAWAY/GLENN PLACE - SOUTHBOUND

GLADIOLUS/HARRISBURG - EASTBOUND

CRAIGHEAD FOREST - EASTBOUND

NEW LPRS

MAIN/JOHNSON - NORTHBOUND/EASTBOUND

PATRICK/JOHNSON - NORTHBOUND/WESTBOUND

JOHNSON/AIRPORT - WESTBOUND

CARAWAY/HIGHLAND - NORTHBOUND/WESTBOUND

RED WOLF/RACE - SOUTHBOUND

SOUTHWEST/PARKER - SOUTHBOUND

MLK/HIGHLAND - WESTBOUND
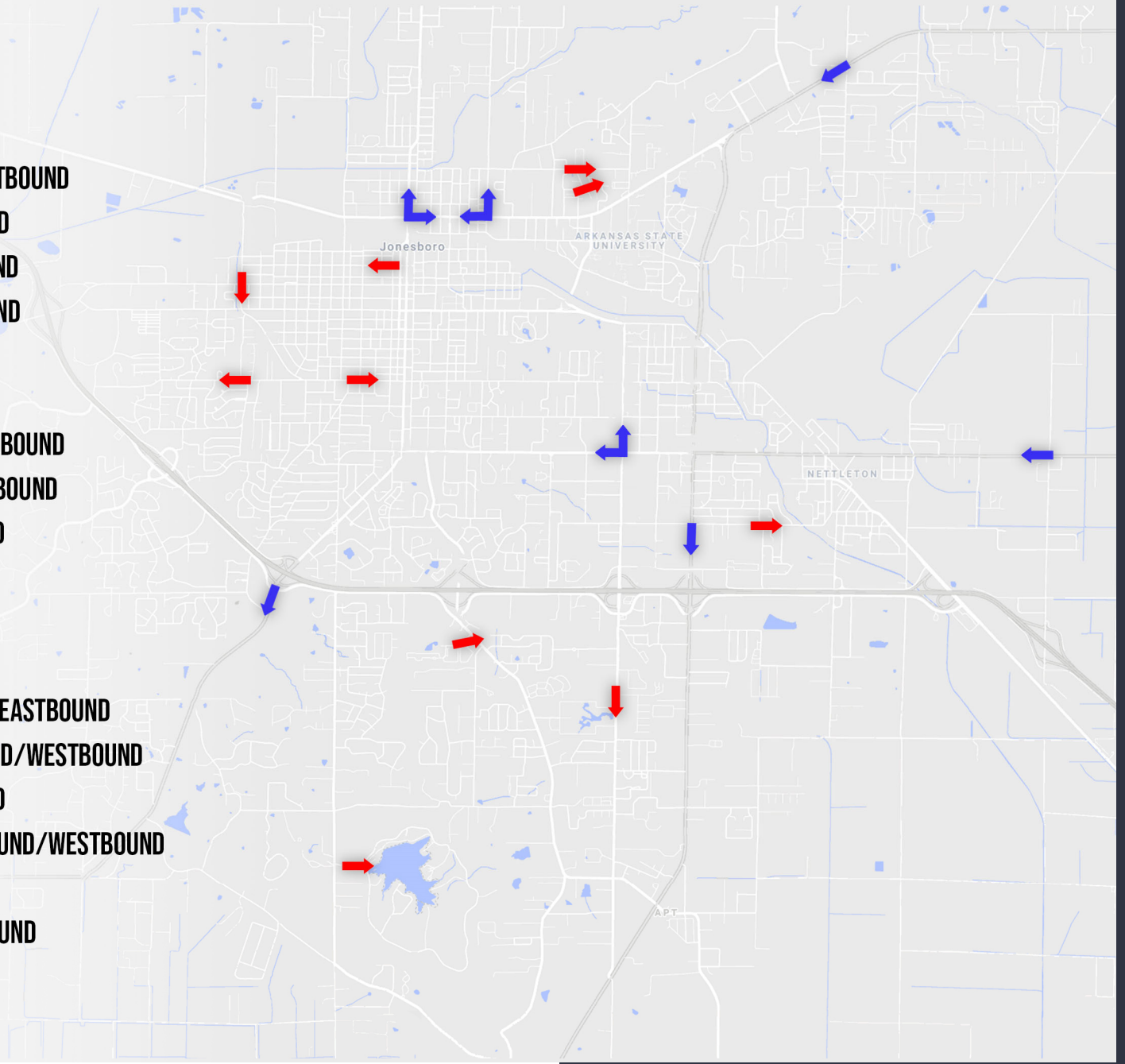
LET'S TALK ABOUT IT

- ## License Plate Readers

- AR Code § 12-12-1803

   (a) Except as provided in subsection (b) of this section, it is unlawful for an individual, partnership, corporation, association, or the State of Arkansas, its agencies, and political subdivisions to use an automatic license plate reader system.

   (b) An automatic license plate reader system may be used:
   (1) By a state, county, or municipal law enforcement agency for the comparison of captured plate data with data held by the Office of Motor Vehicle, the Arkansas Crime Information Center, the National Crime Information Center, a database created by law enforcement for the purposes of an ongoing investigation, and the Federal Bureau of Investigation for any lawful purpose;
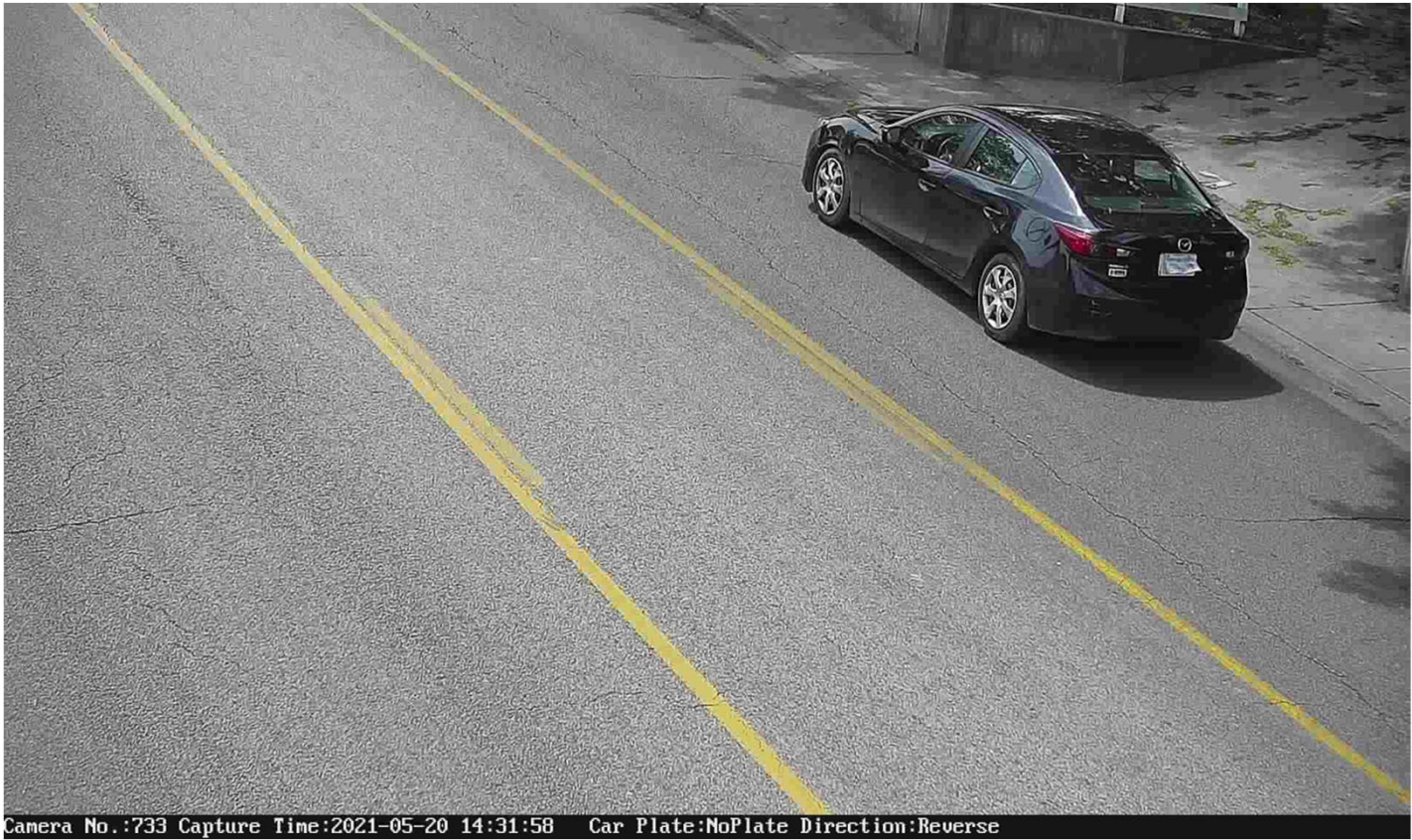
Camera No.:733 Capture Time:2021-05-20 14:31:58   Car Plate:NoPlate Direction:Reverse
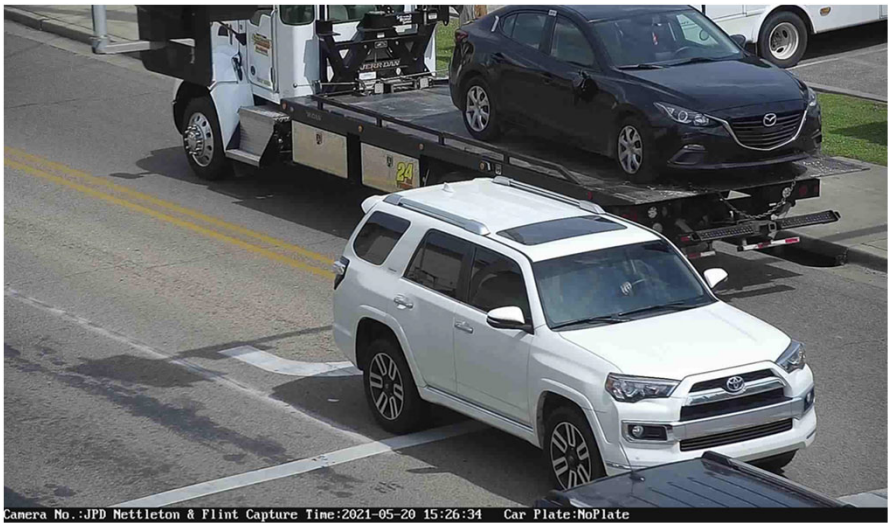
Camera No.:JPD Nettleton & Flint Capture Time:2021-05-20 15:26:34   Car Plate:NoPlate

6/20/21

Public-Private Partnerships?

Neighborhoods, Businesses, Neighborhood Associations, Organizations, Local University...

Park	What We Have	Upgrades
Allen Park	CC Cameras onoutside and inside of Building	Public Wifi in Center
		3 Cameras
CWL Park	West End Cameras	Nothing
Craighead Forest	SkyCop at entry	RSU being installed at Access 3
		Public Wifi
		Priority is Access 3&5
Fairview Park	Station 3 next door	Cameras and hook to Station 3 network
L.M. Stotts Park	Nothing	Cell camera without NVR
Joe Mack Campbell	Parks Admin next door	LPRs at both entrances
		2 cameras in middle of park without NVR
Pool Center\Optimist Park	CC Cameras inside pool center and outside showing pool	Public Wifi in Center
	Temporary pole cam between Memorial Day and Labor Day	Camera on Station 2 for park view
		Cameras on corners of building
Julian James Memorial Park @ Earl Bell	CC at Earl Bell center inside and outside of building	Public Wifi in Center
Southside Softball Complex & Miracle League	CC Cameras on Building	Public Wifi in Park
		Need 38 cameras to cover whole park
		LPRs at 3 entrances
Miles Park	Nothing	Cell camera without NVR
		Possibly move SkyCop to here from Parker Park
William Evans Park @ E Boone Watson Center	Nothing	Public Wifi in Center
		Camera on corner of building
Parker Park	CC Cameras Inside/Outside. SkyCop.	Public Wifi in Center
		Cameras on corners of building
Ralph Stricklin Park	Nothing	Cameras with SD card only
Rev. Lewellen Park	Nothing	Cell camera with NVR
Rotary Club Park @ FOA	FOA outside\Inside CC cameras	No cameras needed - already covered
University Heights Lions Club Park	Nothing	RSU with LPR being installed at entrance
Shooting Range	RSU already installed at entrance	Will need to scope out and put in contract for buildings

PUBLIC WORKS
FACILITIES >

LEWELLEN
PARK
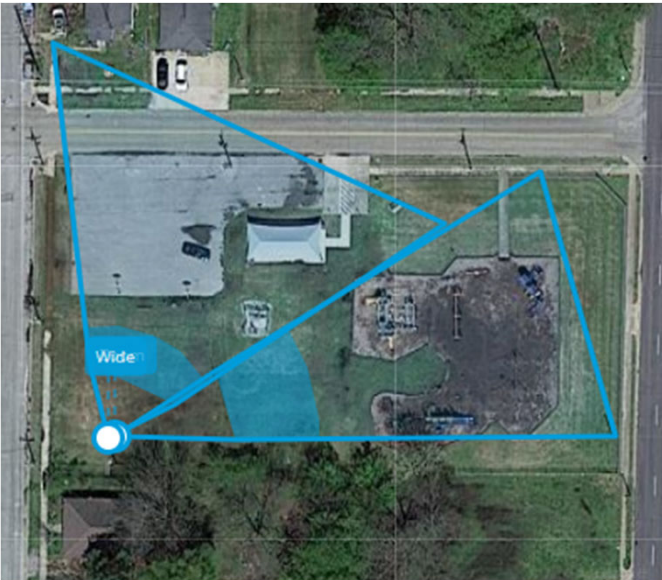
E. BOONE
WATSON CENTER
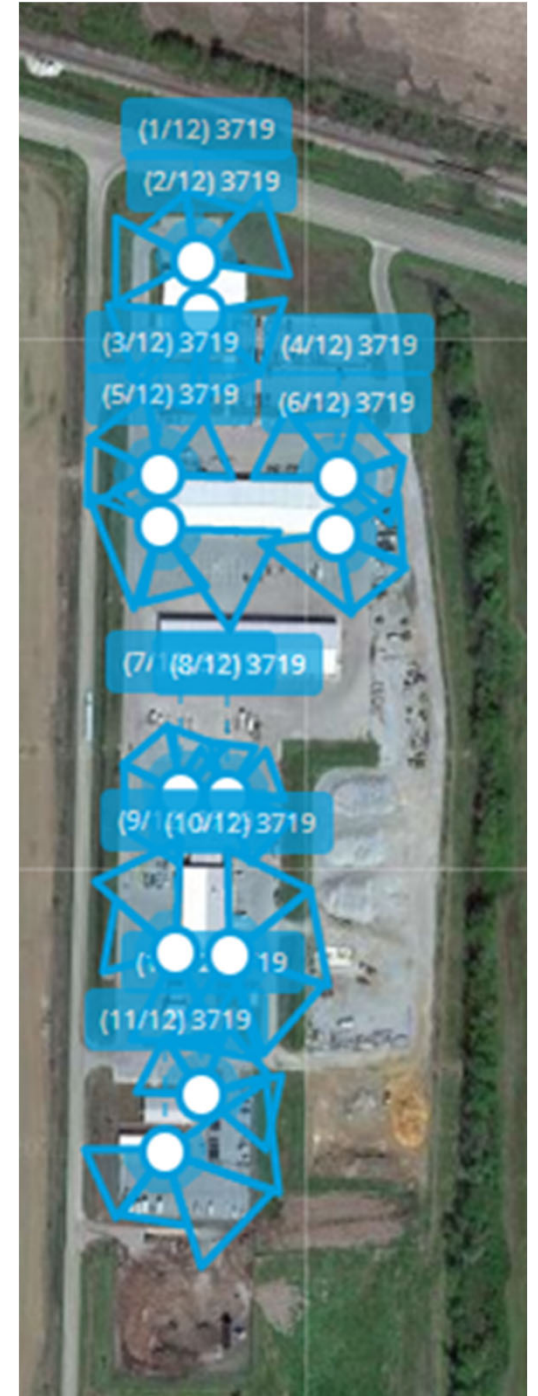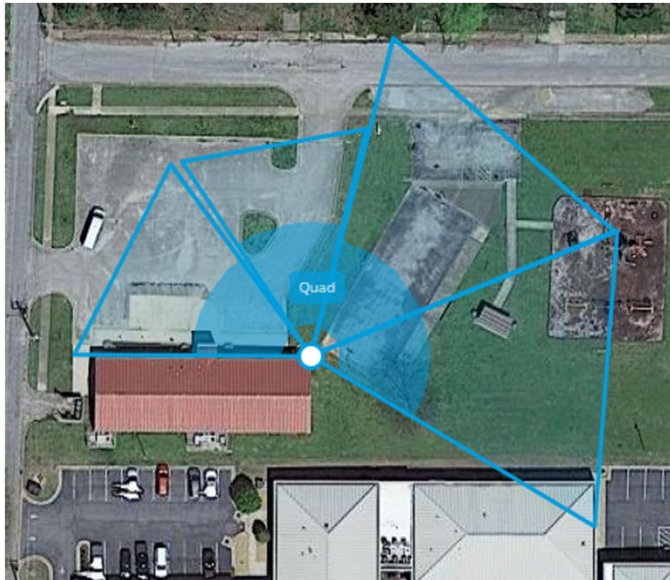
COST

City Hall $42,034

PD Admin & Jets $72,418

Justice Complex $85,599

Remote Surveillance Units $63,952

Intersections $222,200

Parks $110,163

Budgetary Need $596,366

Yearly Recurring Network Costs: $5,328

Yearly Software Support: $5,600

Yearly Recurring Cost: $10,928

Not to Exceed: $650,000

Traffic and Safety Camera Upgrades – $650,000

E911 Dispatch Station Consoles – $140,000

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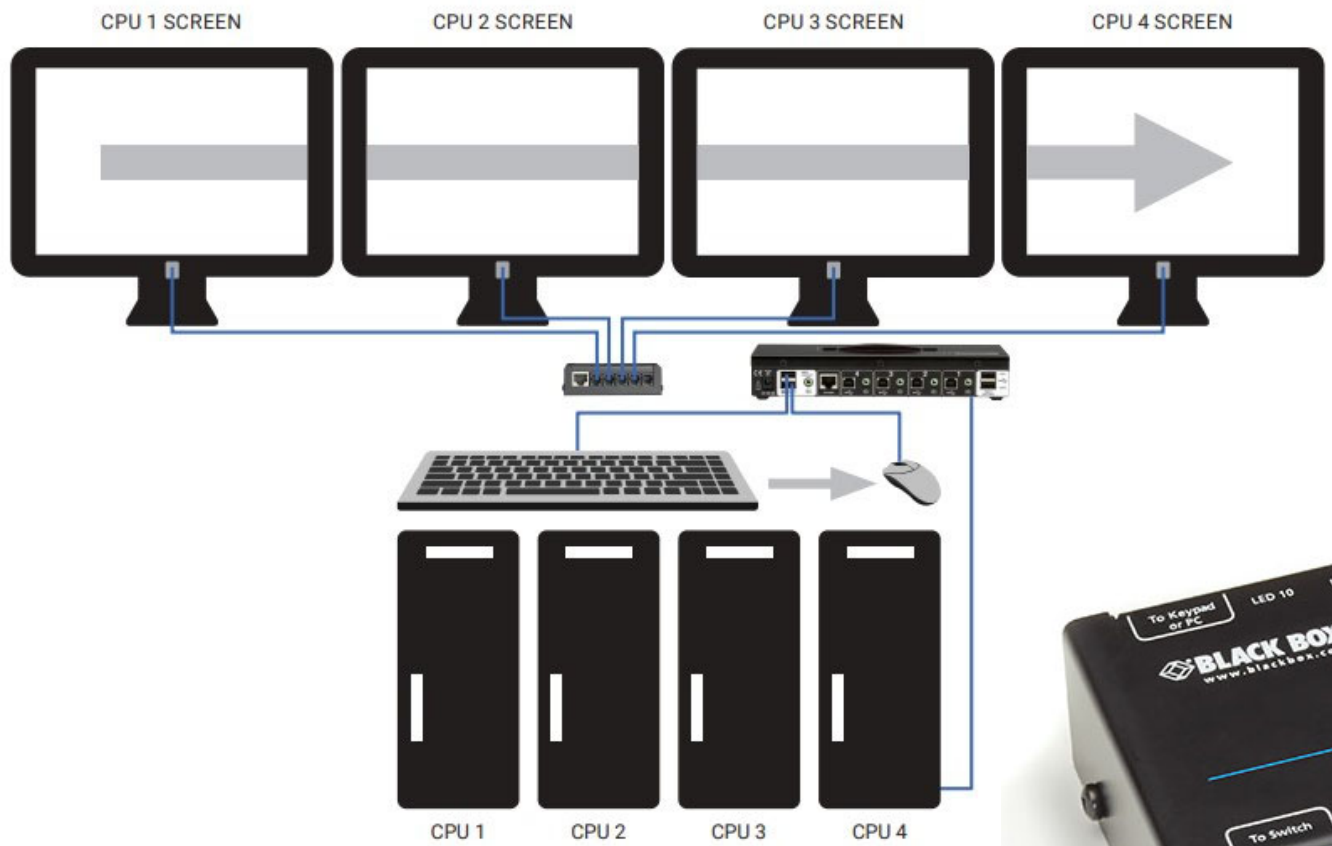Fire Station Motorola Alert System – $740,000

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CPU 1 SCREEN   CPU 2 SCREEN   CPU 3 SCREEN   CPU 4 SCREEN

CPU 1   CPU 2   CPU 3   CPU 4

BLACK BOX
www.blackbox.com

Freedom - LED Controller
BLACK BOX DESKTOP KVM SWITCH

To Keypad or PC

To Switch

LED 10   LED 9   LED 8   LED 7   LED 6

LED 1   LED 2   LED 3   LED 4   LED 5

BLACK BOX
www.blackbox.com

COMPUTER   KVM   SPK   USB1   USB2   MODE   Freedom II

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12:31:02 PM

9-1-1 CALL COMES IN

A 9-1-1 call reports smoke coming out of a 2-story apartment building.

12:31:45 PM

FIRE STATION ALERTED

Dispatch enters key information into CAD and alerts fire stations. Three fire stations are alerted to meet the resource requirements for this incident type.

12:31:46 PM

ALERTING SEQUENCE STARTED

Alert sequences begin at each station

- LED lighting signifies a fire response
- Text to Speech reads the CAD information over the PA system and the radios
- Bay doors open
- Incident Display boards show the incident details, location and turnout timer

12:32:50 PM

TURNOUT COMPLETE

As the units roll off their mats, Dispatch receives an acknowledgement that resources are en route.

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Street Department
$62,000 – 60 Radios

Fire Department
$50,000 – 10 Radios

Police Department
$50,000 – 10 Radios

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RACHEL ANDERSON

JONESBORO POLICE DEPARTMENT
DIGITAL MEDIA OFFICER / VIDEO ANALYST
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