



Dear Invited Proposer,

The City of Cleveland, Department of Public Safety and Information Technology Services is interested in purchasing equipment and professional services from a vendor for a turn-key solution to support the placement of video surveillance cameras and associated wireless technology for the communication of the video signals to a localized recorder for access by Division of Police Personnel to enhance the safety and security of Michael J. Zone Recreation Center and Park 6301 Lorain Avenue Cleveland OH 44102 and Zelma George Recreation Center and Luke Easter Park 3090 Martin Luther King Jr. Dr. Cleveland OH 44104.

The City of Cleveland currently operates the Cleveland Shared Security Surveillance (CS3) Program through the City of Cleveland consisting of over 150 video surveillance cameras. The existing IP-based Video Surveillance System and Network includes Axis Cameras (Axis P5514 PTZ ; Axis Q6042 PTZ IP Camera; Axis Q6045E PTZ Dome Network Camera, Axis Q6055E), NICEVision AMS Server, NICEVision Recorders, NICEVision Server, Airmux -400H Point to Point and Airmux 5000 Point to Multi Point Broadband Wireless Radios.

Cameras will be attached to utility poles and street signal poles that are agreed upon by the vendor and the City to provide the desired field of view along with a strong wireless connection. Vendor is responsible for the camera devices, associated power supplies and mounting hardware. The outdoor camera housing will be marked with the City of Cleveland Division of Police insignia. The vendor will provide wireless point to point links which connect the cameras to a headend location. The headend location will contain a Network Recorder which will be housed in the Recreation Center (Zelma George and Michael J. Zone respectively). The City will provide network connectivity from the Headend (Network Recorders) to the Police Districts for the live viewing of the Park Surveillance Cameras.

All installation, labor and required motorized lifts and equipment is the responsibility of the vendor. The City will provide continuous AC power at the camera locations. The City will obtain authorizations and approvals as required for the utility pole, traffic light intersections. The City will provide free and open access to all owned or leased sites of work. The City will provide a dedicated Project Manager as a single point of contact to authorize the system acceptance and coordinate any required resources.

The vendor is expected to start immediately upon authorization to proceed.



Quote for services must include the following:

Company profile:

- Years in the industry
- Company financial soundness
- Full range of services offered
- Experience with government agencies/municipalities
 - At least two Customer References

Fee Structure

- Headend (Network Recorder – VMS) – to be housed at the Recreation Centers
- Wireless Point to Point links between the Headend and Camera Locations
- Cameras, housing, power, mounting, and associated equipment
- Project Management – Installation, Engineering, Labor, Professional Services
- Optional Equipment/Services
 - Based upon the Field of views the City is request, the vendor may propose optional Camera equipment, devices to achieve the designated outcome
 - Warranty and support for break/fix and replacement
- Administrator Training for Network Recorder VMS

Pre-proposal Conference Call

A pre-proposal Conference Call will be held on October 9th, 2017 1:00 PM Eastern Standard Time.

Audio Call-In 1-240-454-0879

Meeting Number 850 091 653

At or before the conference interested parties may submit or ask questions pertaining to this Request for Quote (RFQ) and the services desired.

Prospective Proposers are encouraged dial into the conference call although attendance is not mandatory.



Request for Quote Proposal

Each Proposer shall submit an electronic RFQ proposal via email no later than October 13th, 2017 by 3:00 PM Eastern Standard Time. No quotes will be accepted after that time unless Department of Public Safety extends the deadline by a written addendum.

RFQ should be emailed to:

Larry Jones II, IT Program Manager

ljones4@city.cleveland.oh.us

The City reserves the right to reject any and all quotes or portions of them, to waive irregularities, informalities, and technicalities, to re-issue or to proceed to obtain the service(s).

Requirements:

1. Network Recorders Equipment Description

Zelma George Recreation Center – Luke Easter Park – Site 1

- Headend (Network Recorder)
 - Milestone Husky NVR M50 32TB or equivalent
 - Maximum number of cameras 32
 - Standalone / 2U Rack-mount option
 - XProtect Professional
 - Video Storage – 30 Days storage required
 - H.264
 - 24 Hours a day
 - 10 Frames per second
 - Raid 10



- Milestone Care Basic
 - Milestone Care Plus Optional – Should be quoted out
- H.264, MPEG-4, M-JPEG, Pan-tilt-zoom support, Audio Support,
- Unlimited number of concurrent users
- Supports XProtect Smart Client
- Supports XProtect Web Client
- Supports Milestone Mobile
- Multiple Video export formats
- Smart Search
- Archiving to network storage
- Map function
- Third Party application support – video analytics, data storage
- Microsoft Active Directory support

2. Network Recorders Equipment Description

Michael J. Zone Recreation Center Park – Site 2

- Headend (Network Recorder)
 - Milestone Husky NVR M50 32TB or equivalent
 - Maximum number of cameras 32
 - Standalone / 2U Rack-mount option
 - XProtect Professional
 - Video Storage – 30 Days storage required
 - H.264
 - 24 Hours a day
 - 10 Frames per second
 - Raid 10



- Milestone Care Basic
 - Milestone Care Plus Optional – should be quoted out
- H.264, MPEG-4, M-JPEG, Pan-tilt-zoom support, Audio Support,
- Unlimited number of concurrent users
- Supports XProtect Smart Client
- Supports XProtect Web Client
- Supports Milestone Mobile
- Multiple Video export formats
- Smart Search
- Archiving to network storage
- Map function
- Third Party application support – video analytics, data storage
- Microsoft Active Directory support

3. Wireless Point to Point/Multi Point to Point Links from the Camera Locations to the Headend for Site 1 and Site 2

Zelma George Recreation Center – Luke Easter Park - Camera Locations Site 1

Michael J Zone Recreation Center Park – Camera Locations Site 2

- The City of Cleveland is currently utilizing the Airmux 400H for Point to point and Airmux 5000 for Point to Multi Point wireless backhaul
 - Vendors Solution must be equivalent to the Airmux 400 and Airmux 5000 product line
 - Product must be capable of delivering IP and Ethernet over the same link for seamless
 - Multi-band operation in a single device with a variety of channel bandwidth options
 - Quality of service and advanced networking features
 - Built in redundancy and protection schemes maximize service availability
 - Robust air interface with unique interference mitigation and N-LOS operation
 - Up to two Gigabit Ethernet interfaces
 - OFDM & MIMO 2x2 diversity and high modulation scheme including QAM 256 and Non Line of Sight Deployments



- Automatic channel selection with user preferred channels, dynamic frequency selection support
- GPS based hub site TDD synchronization
- Ethernet QoS
- AES 128/256 encryption
- IPv4 & IPv6
- Local and remote access
- IP67 rating for severe outdoor conditions

4. Camera Devices, Power and Mounting Hardware Site 1 and Site 2

Zelma George Recreation Center – Luke Easter Park - Camera Locations Site 1

Michael J Zone Recreation Center Park – Camera Locations Site 2

- AXIS Cameras, Outdoor Ready PTZ and/or Fixed Dome offering HDTV 1080p, 32x optical zoom or equivalent
 - Camera must be vandal-resistant (IK10)
 - Shock detection
 - Surge protection
 - Protection against dust, rain and snow (IP66 and NEMA 4X)
 - Operation in temperatures ranging from -40F to 120F
 - Preset positions for guard tour (PTZ cameras)
- Allen Bradley Mini Square Beacon or equivalent
- Outdoor camera housing, power supplies, Antennas, subscriber modules/access points, enclosure equipment, Ethernet cabling and mounting hardware
 - Utility Pole power will be provided by Cleveland Public Power
 - Continuous 24x7 120V AC power
 - Traffic Signal Power will be provided from the Traffic Control Box
- Obstructions such as foliage blocking Camera field of view will be trimmed by the City



5. Project Management – Installation, Engineering, Labor, Professional Services for Site 1 and Site 2

Zelma George Recreation Center – Luke Easter Park - Camera Locations Site 1

Michael J Zone Recreation Center Park – Camera Locations Site 2

- Vendor will be responsible for the project management associated with developing the schedule, coordinating their resources, system acceptance testing and project close out
- Vendor will be responsible for system engineering, working with City IT in the development of the Camera, Wireless Network and Video Management System IP Plan, programming and system configurations
- Vendor will be responsible for the inventory shipment, assembly of equipment, staging, installation, electrical wiring, grounding, mounting, alignment
- Vendor will provide associated end user training for continued operation of the associated equipment
- Vendor will provide network/system diagram and equipment IP diagram
- Vendor will provide a separate quote for the maintenance and support of the system



6. Typical Camera setup minus the Point to Point infrastructure:





Zelma George Recreation Center and Luke Easter Park Site Map

11 Proposed Fields of View to Cover *Zelma George Recreation Center – Luke Easter Park - Camera Locations Site 1*





Michael J Zone Recreation Center and Park Site Map
Michael J Zone Recreation Center Park – Camera Locations Site 2



THE CITY OF CLEVELAND IS AN EQUAL OPPORTUNITY EMPLOYER