

**CITY OF WOONSOCKET, RI  
INVITATION TO BID #6101**

**“Video Security System for the Woonsocket Police Department, City Hall and DPW River Street”**

Specifications are available at the Finance Department, **Office of Purchasing**, City of Woonsocket, 169 Main Street, Woonsocket, Rhode Island 02895 between the hours of 8:30 a.m. and 4:00 p.m., Monday through Friday, and on the City's website, [www.woonsocketri.org](http://www.woonsocketri.org), under the “Bids/RFP’s” tab positioned on the main page.

Sealed bids will be received by the City of Woonsocket, Division of Purchasing, City Hall, 169 Main Street, 1st Floor, Woonsocket, Rhode Island until **2:00 p.m. on Wednesday, December 28, 2022** at which time they will be publicly opened and read aloud.

**ALL BIDS MUST BE SUBMITTED IN “TRIPPLICATE COPY” IN A SEALED ENVELOPE PLAINLY MARKED WITH “BID # 6101 - VIDEO SECURITY SYSTEM FOR THE WOONSOCKET POLICE DEPARTMENT, CITY HALL AND DPW” ON ITS EXTERIOR.**

**Mandatory Pre-Bid meeting: Tuesday, 11/29/2022 @ 10:00 a.m. starting at the Police Department, 242 Clinton St., Woonsocket, RI**

This contract is intended to provide for the equipment and installation of video surveillance systems at the Woonsocket Police Department, Woonsocket City Hall, and the Department of Public Works' (DPW) River Street facilities. The three (3) locations for these devices are contained within the bid documents.

A Certified Check or Bid Bond in the amount of one thousand dollars (\$1,000), payable to the City of Woonsocket, must accompany each proposal. The Certified Check or Bid Bonds will be returned to all but the successful bidder upon execution of the contract. The Certified Check or Bid Bond of the successful bidder will be returned upon acceptance of a Performance and Payment Bond by the City.

In accordance with RI General Law 37-13-7 contracts in excess of \$1,000 shall require compensation based on prevailing wages for construction, alteration and/or repair. Painting or decorating.

The Finance Department, through its Director, reserves the right to accept or reject any or all bids or proposals; to waive any technicality to any bid or part thereof submitted; to accept any bid or option or comparison thereof; to contract in part or in whole; and to accept the bid deemed to be in the best interest of the City of Woonsocket.

No bidder may withdraw its bid within sixty (60) days after the actual time and date of the bid opening thereof.

Questions concerning specifications must be emailed to City of Woonsocket Purchasing Clerk Kerri Topalian, [ktopalian@woonsocketri.org](mailto:ktopalian@woonsocketri.org) **no later than, Tuesday, December 6, 2022 at 12:00 Noon (EASTERN)**. Questions received, if any, will be answered in a posted Addendum to this Solicitation.

  
Christine Chamberland, Finance Director

**POSTED:** November 21, 2022

# ELECTRONIC SECURITY SYSTEM

## SPECIFICATION OUTLINE

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Carefully examine the specifications, conditions and limitations. The selection of the successful contractor will be made based on a thorough evaluation and determination of the relative ability of each Bidder to deliver quality installation and commissioning services in a cost-effective manner.

**Bidders shall mail or deliver three copies of the bid response and 1 electronic file (CD or Flash Drive) to:**

**Contact name:** Kerri Topalian  
**Title:** Purchasing Clerk  
**Company:** City of Woonsocket, Purchasing Division  
**Address:** 169 Main Street, 1<sup>st</sup> Floor, Purchasing  
**City, State, Zip:** Woonsocket, RI 02895  
**Phone:** (401) 767-9269  
**Email:** ktopalian@woonsocketri.org

Responses to this solicitation are due by **2:00 p.m. (EASTERN) on Wednesday, December 28, 2022**. Late submittals will be rejected.

This project is open to all vendors and resellers of Motorola Solutions and Avigilon Surveillance that meet The City of Woonsocket's requirements as stated below. Prospective vendors must be experienced in installing Avigilon equipment and must have the certified technicians on the Avigilon and Motorola Radio product line. Vendors must also be able to provide service technicians who live within two hours of the district. Vendors must be able to provide references of similar Avigilon installations in the area.

**If awarded, the completion requirement for this project will be held without exception. The completion date will be discussed at the Mandatory Pre-Bid Meeting on Tuesday, November 29, 2022 and, when finalized, the date will be posted as an Addendum to this solicitation**

## 1. VIDEO MANAGEMENT SOFTWARE

- A. Video Management Software (VMS):** shall be Avigilon Control Center (ACC):  
P/N: ACC7-ENT, Avigilon Control Center, Enterprise v7.X for each camera.

The VMS shall include unlimited viewing clients and available Mobile App. The VMS must be ONVIF Profile S and T compliant and be of an open platform as to accept multiple camera manufacturers. The VMS shall not require recurring annual support fees and must provide free updates within the version software. The VMS shall include Avigilon Cloud Services (ACS) for centralized access, mobile access, and system health monitoring. The VMS shall also include the following features:

1. 100 servers per site.
2. 300 cameras per server.
3. 10,000 cameras per site.
4. Unlimited client licenses per server.

- B. Focus of Attention:** the VMS shall provide an overview of events across all cameras in a site, including Avigilon analytic events, face and license plate watch list matches, Unusual Activity Detection (UAD) events, Unusual Motion Detection (UMD) events, motion events and alarms. Allow the operator to triage the most important and critical events to determine if a response is required.
- C. Facial Recognition Technology:** the VMS shall have the ability to detect people of interest based on secure watch lists managed by authorized users. Include the ability to upload an image or find a face from a recorded video. Receive alerts from potential watch list matches and create alarms that trigger when an individual on the watch list is detected.
- D. Appearance Search Technology:** the VMS shall implement a sophisticated AI search engine to allow investigators to sort through large amounts of recorded video to quickly locate individuals or vehicles of interest across an entire site. Search for people or vehicles of interest by entering its physical description, uploading a photo or by finding an example in a recorded video.
- E. Next-Generation Analytics:** the VMS shall have the ability to view and search analytic events and alarms through an intuitive user interface, to allow the user to be notified of real-time events and alarms, scene changes and rules violations. Detect, classify and track up to 50 moving or stationary objects in a scene, such as people, cars, trucks, buses, motorcycles and bicycles.
- F. Self-Learning Analytics:** the VMS shall accurately recognize the movements of people and vehicles while ignoring motion not relevant to a scene. This learning will allow the VMS to reduce false positives while keeping alarms and events meaningful.
- G. Teach-by-Example Technology:** the VMS will use this object classifier technology to enable users to provide feedback about the accuracy of an alarm and events generated by the system and connected devices.

- H. Unusual Activity Detection (UAD):** the VMS shall provide this new object-aware, edge-based intelligence using advanced AI technology to enable the detection of atypical activities such as people and vehicles traveling at faster speeds or in unusual locations.
- I. Unusual Motion Detection (UMD):** the VMS shall utilize this advanced AI technology to assist the system in learning what typical activity in a scene looks like, and then detect and flag unusual motion.
- J. Intelligent Searches:** the VMS shall incorporate powerful search tools that enable users to quickly search recorded video for motion, the presence of classified objects (people or vehicles), background changes in the scene (thumbnail search), and for events.
- K. License Plate Recognition (LPR) Analytics:** the VMS shall include a next-generation LPR analytics engine to enable the system to monitor multiple license plate watch lists and detect potential license plate matches.
- L. Avigilon Cloud Services (ACS) Web Client:** the VMS shall have the ability to securely stream live and recorded video from firewall-protected Avigilon Control Center (ACC) sites using Chrome or Safari web browsers to leverage peer-to-peer connections to ACC servers.
- M. ACC Mobile 3 Software:** the VMS shall include a Mobile app to allow for the following: push alarm notifications, view live and recorded video, monitor two-way audio, view self-learning video analytics overlays, monitor digital output triggers, and allow PTZ control for Android and iOS mobile devices. Using Avigilon Cloud Services (ACS), log into connected ACC sites without any firewall configuration.
- N. Video Archive:** the VMS shall have the ability to retain and manage large amounts of video for on-demand retrieval and review. Extend storage beyond NVRs for reliable and scalable storage.
- O. Point-of-Sale Transaction Engine:** the VMS shall be able to link recorded video and instantly view transaction data to address compliance requirements and help reduce shrinkage and theft.
- P. ONVIF Profile S, T and G Compliance:** the VMS shall use industry standards to ensure interoperability between IP-based and ONVIF conformant devices regardless of manufacturer.
- Q. FIPS 140-2 Certified Encryption:** the VMS shall comply with Federal Government policies and other customer policies by enabling FIPS 140-2 certified cryptography on ACC software and supported cameras.
- R. Compression:** the VMS shall support storage and processing of video and audio as follows: Natively record camera signals with no transcoding. Support industry standard video compression formats, including, but not limited to, the following:
  - 1. JPEG2000
  - 2. MJPEG
  - 3. MPEG-4
  - 4. H.264
  - 5. H.265

- S. High-Definition Stream Management (HDSM)<sup>TM</sup>:** Must perform as follows:
1. Provide Avigilon High-Definition Stream Management (HDSM)<sup>TM</sup>.
  2. Reduce system bandwidth and storage usage by only transmitting video to client as determined by the owner.
  3. Tile multi-megapixel video streams and only transmit requested portion of video stream to the client.
  4. Extend recorded video storage by dynamically reducing quality of recorded video over time so video is still viable but uses less storage.
    - a. Reduce JPEG and JPEG2000 video image rate to one-half or one-quarter of original image rate.
    - b. Record both a high-quality stream and a low-quality stream, discarding high quality streams after a set amount of time determined by the Owner.
    - c. Allow availability of dynamic video stream management to local users, remote users, and mobile devices.

## **2. VIDEO INFRASTRUCTURE**

### **A. AI Video Management Server and Storage Solution (AINVR)**

The Artificial Intelligence (AI) Network Video Recorder (NVR) shall be a cloud-ready, purpose-built managed solution built on Avigilon's security-hardened OS, with built-in server-side analytics unlocking advanced AI capabilities on any connected video stream.

The Video Management Server shall run Avigilon Control Center (ACC) video management software to accommodate all cameras shown and specified, plus 20% available overhead to scale for future expansion.

1. Video Management Server shall be Avigilon AINVR Value:  
P/N: AINVR-VAL-12TB, 12 TB with ACC.

#### Specifications for AINVR Value:

- Operating System: Avigilon hardened OS, supports secure remote upgrades.
- Hard Disk Drive Config (video): RAID 5, up to 4 x 3.5" hot swappable.
- Hard disk config (OS): 2 x M.2 SSD drives, RAID 1.
- Storage Capacity: up to 12 TB (RAID 5).
- Network Interface: 2 x 1 GbE RJ-45 ports.
- System Memory: 2 x 8 GB.
- Processor: 1 x Intel Xeon.

2. Video Management Server shall be Avigilon AINVR Standard:  
P/N: AINVR-STD-48TB, 48 TB with ACC.

#### Specifications for AINVR Standard:

- Operating System: Avigilon hardened OS, supports secure remote upgrades.
- Hard Disk Drive Config (video): RAID 6, up to 8 x 3.5" hot swappable.
- Hard disk config (OS): 2 x M.2 SSD drives, RAID 1.
- Storage Capacity: up to 48 TB (RAID 6).
- Network Interface: 4 x 1 GbE RJ-45 ports.
- System Memory: 2 x 8 GB.
- Processor: 1 x Intel Xeon.

### 3 CAMERAS & SENSORS

#### A. H5A Bullet Cameras: 6 MP.

1. **Outdoor Bullet camera** shall be Avigilon H5A Series Bullet Camera:

P/N: 6.0C-H5A-BO1-IR, fixed bullet, 6 MP, WDR, 4.9-8mm lens, IR, onboard analytics.

IK10 vandal resistant integrated IR bullet, H.264/265, autofocus, day/night, 2, 4, 5, 6 and 8 megapixel high-definition digital camera with patented LightCatcher™ technology. All cameras shall be equipped with a varifocal lens. Cameras embedded with self-learning video analytics, ONVIF Profile S, T & G compliant, include wi-fi camera configuration support and utilize HDSM SmartCodec technology.

a. Accessories for Outdoor Bullet camera:

P/N: H4-BO-JBOX1, junction box for bullet cameras.

b. For additional corner mounting include:

P/N: H4-MT-CRNR1, aluminum corner mounting bracket.

c. For additional pole mounting include:

P/N: H4-MT-POLE1, aluminum pole mounting bracket.

#### B. H4 Multisensor Cameras: offered in 270° and in 15 MP.

1. **270° Multisensor camera** shall be Avigilon H4 Series Multisensor Camera:

P/N: 24C-4HA-3MH-270, 3x8 MP, WDR, with 4mm lenses.

IK10 vandal resistant fixed dome, H.264/265, autofocus, day/night, 3-lens high-definition digital camera with triple exposure ultra-wide dynamic range (WDR) and patented LightCatcher™ technology. Each imager embedded with self-learning video analytics, ONVIF Profile S, T & G compliant, include wi-fi camera configuration support and utilize HDSM SmartCodec technology.

a. Accessories for H4 Multisensor cameras:

P/N: H4AMH-DO-COVR1, clear dome cover for outdoor surface or pendant mount.

P/N: H4AMH-DO-COVR1-SMOKE, smoke dome cover for outdoor surface or pendant mount.

P/N: H4AMH-DC-COVR1, clear dome cover for in-ceiling mount.

P/N: H4AMH-DC-COVR1-SMOKE, smoke dome cover for in-ceiling mount.

b. For pendant wall mounting include:

P/N: H4AMH-AD-PEND1, outdoor pendant mount adapter.

P/N: IRPTZ-MNT-WALL1, pendant wall arm adapter.

P/N: H4AMH-AD-IRIL1, optional IR illuminator ring, add P/N: POE-INJ2-60W-NA.

1. For additional corner mounting include:

P/N: H4-MT-CRNR1, aluminum corner mounting bracket.

P/N: IRPTZ-MNT-WALL1, pendant wall arm adapter.

2. For additional pole mounting include:

P/N: H4-MT-POLE1, aluminum pole mounting bracket.

P/N: IRPTZ-MNT-WALL1, pendant wall arm adapter.

### **C. H5A Fisheye Cameras: 12MP.**

1. **12 MP Fisheye camera** shall be Avigilon H5A Series Fisheye Camera:  
P/N: 12.0W-H5A-FE-DO1-IR, surface mount, 12 MP, WDR, 1.6mm lens with IR.

IK10 vandal resistant fixed dome, H.264/265, day/night, 12 megapixel high-definition digital camera with patented LightCatcher™ technology. Cameras shall be equipped with a fisheye lens. Cameras embedded with self-learning video analytics and Unusual Motion Detection (UMD), ONVIF Profile S, T & G compliant, include wi-fi camera configuration support and utilize HDSM SmartCodec technology.

- a. For pendant mounting include:  
P/N: CM-MT-WALL1, pendant wall mount.
- b. For pendant NPT mounting include:  
P/N: H5A-FE-MT-NPTA1, NPT adapter for H5A Fisheye surface mount camera.
- c. For corner mounting include:  
P/N: CM-MT-WALL1, pendant wall mount.  
P/N: H4-MT-CRNR1, aluminum corner mounting bracket.

### **D. H5A Dual Head Cameras: 6MP.**

1. **Dual Head camera** shall be Avigilon H5A Series Dual Head Camera:  
P/N: 6.0C-H5DH-DO1-IR, surface mount, 2x3 MP, 3.35-7mm varifocal lens.

IK10 vandal resistant fixed dome, H.264/265, autofocus, day/night, 2x3 and 2x5 megapixel high-definition digital camera with triple exposure ultra-wide dynamic range (WDR) and patented LightCatcher™ technology. All cameras shall be equipped with a 3.35-7mm varifocal, remote focus and zoom lens and include integrated IR. Cameras embedded with object detection, Appearance Search, Unusual Motion Detection, ONVIF Profile S & T compliant, include wi-fi camera configuration support and utilize HDSM SmartCodec technology. Camera shall be FIPS 140-2 compliant.

- a. For pendant wall mounting include:  
P/N: CM-MNT-WALL1, pendant wall arm adapter.
  1. For additional corner mounting include:  
P/N: H4-MT-CRNR1, aluminum corner mounting bracket.
  2. For additional pole mounting include:  
P/N: H4-MT-POLE1, aluminum pole mounting bracket.
- b. For pendant NPT mounting include:  
P/N: H5DH-MT-NPTA1, pendant NPT adapter.
- c. For junction box mounting include:  
P/N: H5DH-DO-JBOX1, junction box mounting adapter.

**E. H4 Video Intercom: 3MP.**

1. **Video Intercom** shall be Avigilon H4 Series Video Intercom:  
P/N: 3.0C-H4VI-RO1-IR, 3 MP, 1.83mm, F2.4, IR corrected lens with recessed housing.

IK10 vandal resistant fixed, full-duplex intercom, H.264, 3 megapixel high-definition digital camera with 170° wide-angle fisheye lens, bi-directional communication, weather/tamper resistant, integrated IR and patented LightCatcher™ technology. Triple exposure wide dynamic range (WDR). The intercom shall include Appearance Search technology and POE compatible, ONVIF Profile S & G compliant, and integrate into Avigilon Control Center (ACC) and Avigilon Access Control Manager (ACM) for door grant access.

- a. For surface mounting include:  
P/N: H4VI-MT-SURF1, surface mount adapter for H4 Video Intercom.  
P/N: H4VI-AC-RELY1, safety relay for H4 Video Intercom.

**F. H5A Indoor Cameras: 4MP.**

- 1 **Surface Mount Indoor dome camera** shall be Avigilon H5A Series Dome Camera:  
P/N: 4.0C-H5A-D1-IR, fixed dome, 4 MP, WDR, 3.3-9mm lens, IR, onboard analytics.

IK10 vandal resistant fixed dome, H.264/265, autofocus, day/night, 2, 4, 6 and 8 megapixel high-definition digital camera with triple exposure ultra-wide dynamic range (WDR) and patented LightCatcher™ technology. All cameras shall be equipped with a varifocal lens. Cameras embedded with self-learning video analytics, ONVIF Profile S, T & G compliant, include wi-fi camera configuration support and utilize HDSM SmartCodec technology.

**4 RADIO ALERT Integration**

- A. Avigilon Radio Alert shall integrate with Avigilon Control Center (ACC) video management software to leverage its advanced artificial intelligence and video analytics with two-way radios offering exceptional voice and video quality. Avigilon Control Center (ACC) shall integrate with the Motorola MOTOTRBO and APX P25 two-way radios so users can receive and respond to ACC alarms from their MOTOTRBO and APX radio systems. Alarms resulting from Avigilon analytics, access control and license plate recognition watchlist match events shall be automatically pushed to Motorola radios in the form of text messages and/or text-to-voice alerts. Security personnel shall acknowledge alarms directly from their radios to quickly investigate without needing to continuously monitor activity on a computer screen.

## B. Radio Alert Features:

1. Receive any ACC alarm as an alert on the radios.
2. Alerts dispatched directly to radios as text messages and/or text-to-voice alerts.
3. Acknowledge an alarm directly from the radio.
4. Receive alarms when external software events occur (i.e. Lenel access control events).

## C. MOTOTRBO Radio Features:

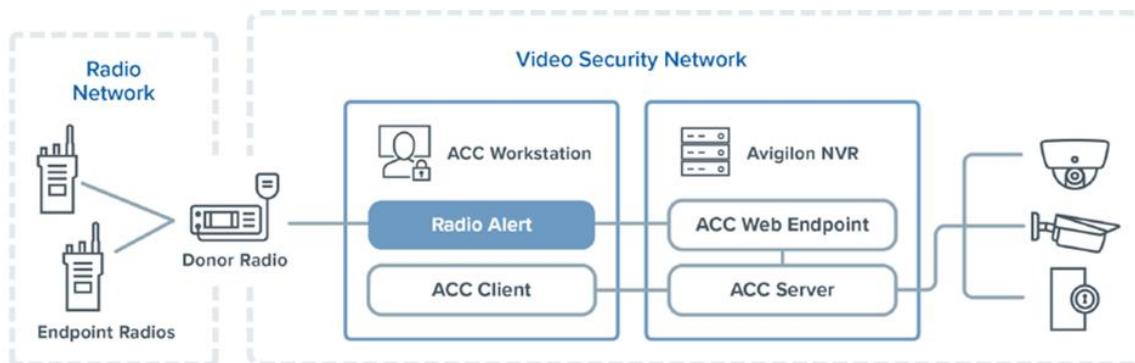
1. Superior voice clarity.
2. Long range.
3. Extended battery life.
4. Connectivity across multiple sites.

## D. APX P25 Radio Features:

1. Clear communications.
2. Rugged design.
3. Extreme durability.
4. Intelligent in-action capabilities.
5. Built for mission critical applications.

## E. Specifications and System Requirements:

1. **Display Resolution:** 1280 x 720
2. **Operating System:** Windows 10 (64-bit) with Microsoft .NET 4.6.2
3. **Processor:** 4-core at 2.8 GHz
4. **System RAM:** 8 GB DDR4-2666
5. **Network Interface:** 1 Gbps full-duplex
6. **Available Hard Disk Space:** 1 GB
7. **Audio Interface:** 3.5 mm output
8. **USB Interface:** 3 x USB 2.0 ports



## STATEMENT OF WORK

Provide and install Avigilon Surveillance system. New Cat6 cabling will be deployed for new cameras and existing cable will be utilized if replacing camera. The camera servers will be located in the MDF to be determined by owner. Data network switches to support a segmented 1GbE camera and client viewing network topography in best practices with the manufacturer recommendations. Note the following information and above scope of work includes but is not limited to the following:

- The Contractor shall include all licenses associated with the systems bid by said Contractor
  - All Software licenses except as noted shall be included in the proposal. No additional licenses for client workstations will be accepted.
  - No change orders or additional cost for services within the scope of work will be accepted.
  - The Contractor shall be responsible for all programming noted here. This includes, but is not limited to:
    - a. Programming of all equipment and functionality to provide operational system within the scope of this project and to which adheres to the manufacturer's installation and networking best practices.
    - b. Setup camera settings and recording according to system design tool parameters.
    - c. Install Avigilon servers in MDF/Server Room.
    - d. Create user and group permissions for operators within the system.
    - e. Create rule notifications to send email to predetermined administrators when a designated server or camera event takes place.
    - f. Install Avigilon Client on peripheral workstations within the building.
- All cable and cable installation shall be supplied and performed by the security Contractor.
- All conduit, where required by code, shall be provided by the Contractor and adhere to AHJ fire and building code.
- All 120VAC power shall be provided by others but shall be coordinated by the Contractor.
- All power supplies and ancillary equipment shall be installed in the designated data rooms (also known as MDF/IDF rooms as coordinated with the City of Woonsocket
- All equipment warranties must start upon owner activation of the systems
- All equipment must be of new condition (no refurbished).
- All items be IP (Internet Protocol) based, digital units.
- All video equipment must fit within the **latest ONVIF** standards. (Profile C is for IP-based; Profile G is for edge storage and retrieval; and Profile S is for IP-based video systems.
- All equipment will operate on the current power grid unless otherwise required.
- All equipment must be self-sustaining or at least self-starting in the event of a power failure
- System will be capable of running on generator power or battery backup system.
- All external equipment will equal or exceed IP-66 weatherproofing standards
- Connections for all exterior equipment will equal or exceed IP-67 waterproofing standards
- Connections for interior equipment with equal or exceed IP-66 standards

- All exposed equipment, conduits and other related mounting components will meet IK-10/IP66 vandal resistance standards.
- All hardware providing Power over Ethernet will be at the IEEE 802.3at Power over Ethernet standard for every supplied port.
- The Contractor shall provide and install POE switches located in identified IDF/MDF telephone rooms for all Ethernet devices as needed. Acceptable brands shall be Avigilon, Comnet, Aruba, HP or Cisco.

## QUALIFICATIONS

Bidders must be certified in Avigilon Video Solutions and be at a minimum a Motorola Solutions Elite Service Specialist and be proficient in Motorola Radios, and Motorola Nitro. Additionally, bidders must have experience in Body Cams and a strong background in Public Safety installations **Bidders will include proof of Avigilon Certified Technicians including subcontractors.** Bidders must also have an Authorized Motorola Service Center for any warranty or repair issues. Bidders must have certified Technicians within a 40-mile radius of installation sites.

### Site 1 Woonsocket Police Department Location: 242 Clinton Street.

The Woonsocket Police department will install a new 48TB Avigilon AINVR. Existing analog cameras will be encoded using 7 Avigilon encoders. 1 new 4MP H5A camera will be installed at the front entrance. 36 existing IP cameras at the police department, 18 existing Off-site cameras, and 27 existing cameras at the Fire Department will be configured to the new AINVR and Avigilon Control Center. Cameras will be configured to have a minimum of 60 days storage.

|    |                                          |                   |
|----|------------------------------------------|-------------------|
| 89 | Video Management Software/Camera License | ACC7-ENT          |
| 89 | 3 Year Software Upgrade                  | ACC-ENT-SMART-3YR |
| 1  | AI 48TB NVR                              | AINVR-STD-48TB-NA |
| 7  | 4 Port Encoder                           | ENC-4P-H264       |
| 1  | 4MP Dome/Analytics                       | 4.0C-H5A-D1-IR    |
| 25 | ACC7 Video Analytics channel             | ACC7-VAC          |
| 1  | AI NVR Standard Performance Kit          | AINVR-STD-PRK     |

**Site 2**  
**City Hall**  
**169 Main Street**

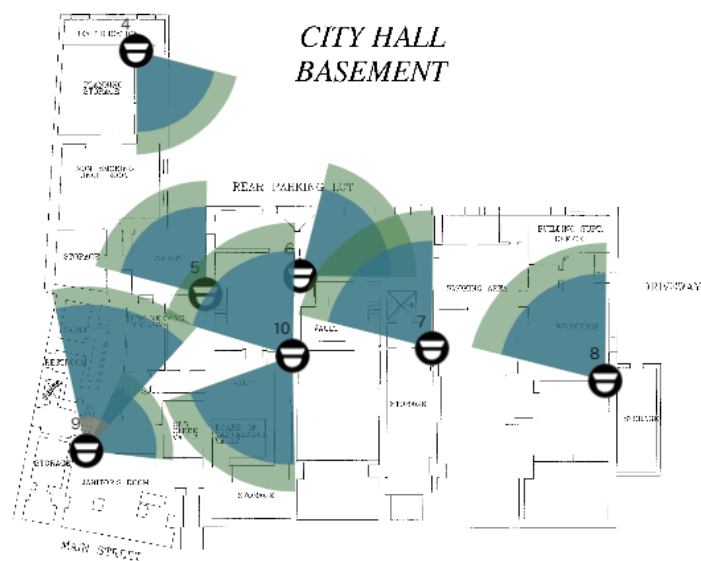
City Hall will include 29 new interior and exterior cameras Avigilon cameras, a 48TB AINVR, and new switches.

NOTE: CAT6 cabling will be responsibility of City.

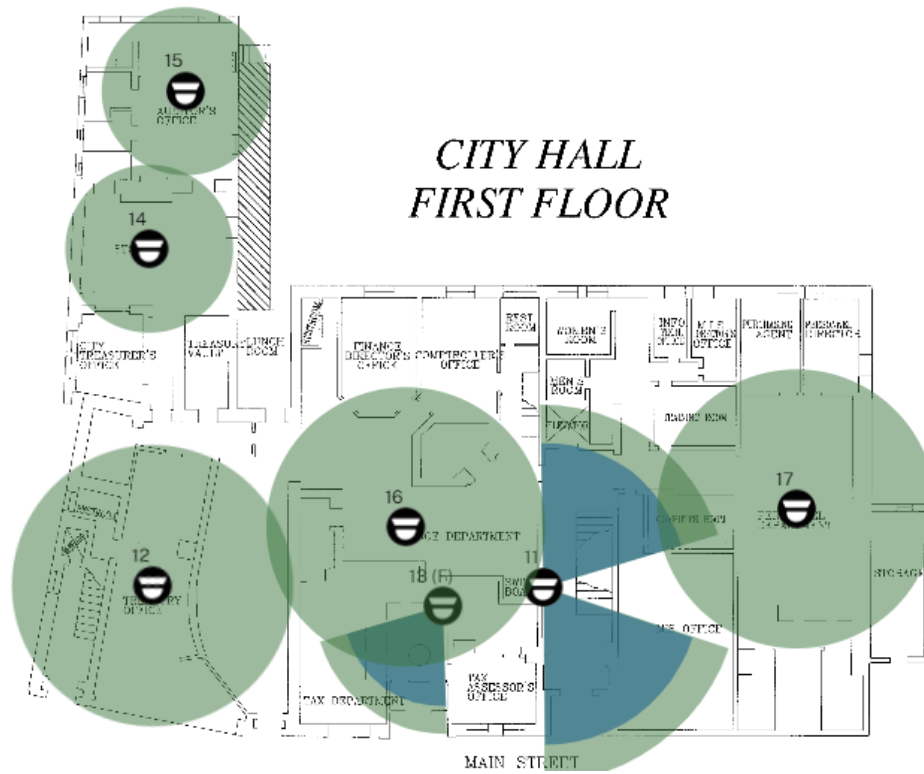
**Exterior**



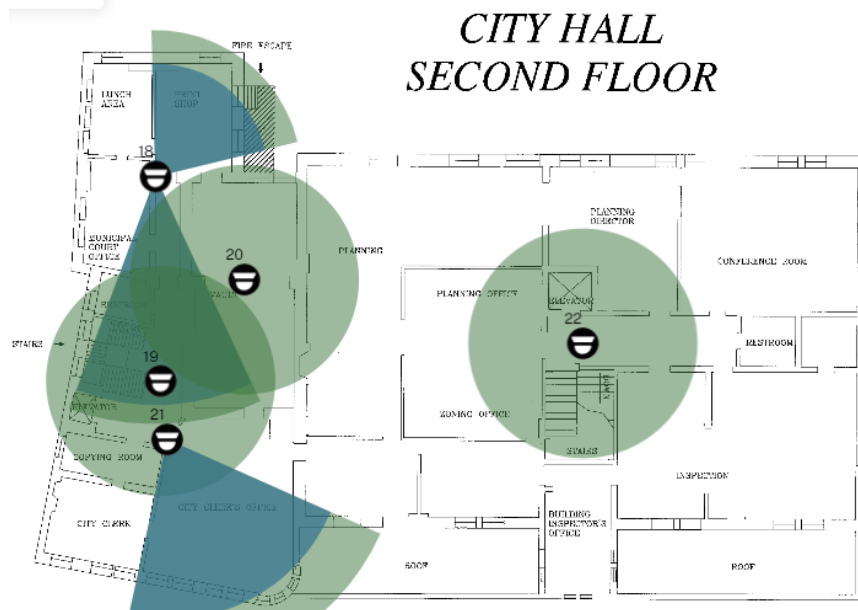
**Basement**



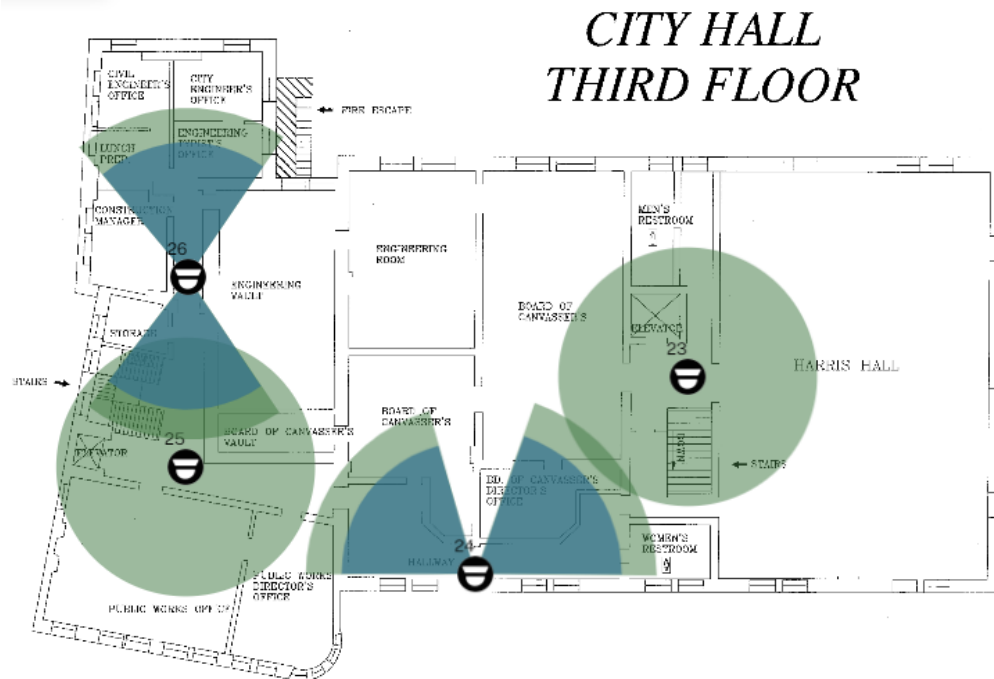
## 1<sup>st</sup> Floor



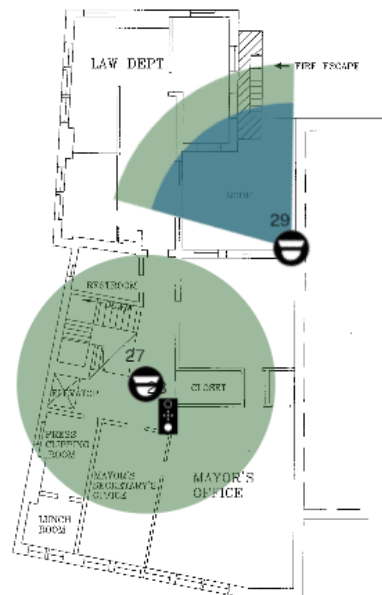
## 2<sup>nd</sup> Floor



### 3<sup>rd</sup> Floor



### 4<sup>th</sup> Floor



| Cam # | LOCATION                        | Map  | Type | Description            | Part Number         | Mount           | Mount          | Mount           | Mount       | IR             | Power           |
|-------|---------------------------------|------|------|------------------------|---------------------|-----------------|----------------|-----------------|-------------|----------------|-----------------|
|       | City Hall                       |      |      |                        |                     |                 |                |                 |             |                |                 |
| 1     | Front Building                  | EXT  | B    | 15MP 270 Multisensor   | 15C-H4A-3MH-270     | H4AMH-AD-PEND1  | H4AMH-DO-COVR1 | IRPTZ-MNT-WALL1 | H4-MT-CRNR1 | H4AMH-AD-IRIL1 | POE-INJ2-60W-NA |
| 2     | Corner Building /Parking        | EXT  | B    | 15MP 270 Multisensor   | 15C-H4A-3MH-270     | H4AMH-AD-PEND1  | H4AMH-DO-COVR1 | IRPTZ-MNT-WALL1 | H4-MT-CRNR1 | H4AMH-AD-IRIL1 | POE-INJ2-60W-NA |
| 3     | Front/side Building             | EXT  | B    | 15MP 270 Multisensor   | 15C-H4A-3MH-270     | H4AMH-AD-PEND1  | H4AMH-DO-COVR1 | IRPTZ-MNT-WALL1 |             | H4AMH-AD-IRIL1 | POE-INJ2-60W-NA |
| 4     | Planning/Storage                | Base | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |
| 5     | Garage                          | Base | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |
| 6     | Outside of Vault                | Base | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |
| 7     | Elevator lobby                  | Base | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |
| 8     | Workshop                        | Base | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |
| 9     | Outside Janitors room           | Base | D    | 6MP Dual Head          | 6.0C-H5DH-DO1-IR    | H5DH-DO-JBOX1   |                |                 |             |                |                 |
| 10    | Vault Hallway                   | Base | D    | 6MP Dual Head          | 6.0C-H5DH-DO1-IR    | H5DH-DO-JBOX1   |                |                 |             |                |                 |
| 11    | Hallway                         | 1st  | D    | 6MP Dual Head          | 6.0C-H5DH-DO1-IR    | H5DH-DO-JBOX1   |                |                 |             |                |                 |
| 12    | Treasury Office                 | 1st  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 13    | Tax Department                  | 1st  | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |
| 14    | Storage                         | 1st  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 15    | Auditors Office                 | 1st  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 16    | Finance Department              | 1st  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 17    | Personnel Department            | 1st  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 18    | Print Shop/Court office hallway | 2nd  | D    | 6MP Dual Head          | 6.0C-H5DH-DO1-IR    |                 |                |                 |             |                |                 |
| 19    | Stair Hallway                   | 2nd  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 20    | Vault                           | 2nd  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 21    | City Clerk Office               | 2nd  | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |
| 22    | Planning Zoning Hallway         | 2nd  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 23    | Elevator/stair Hallway          | 3rd  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 24    | Board of Canvasser Hallway      | 3rd  | D    | 6MP Dual Head          | 6.0C-H5DH-DO1-IR    |                 |                |                 |             |                |                 |
| 25    | Public Works Office Hallway     | 3rd  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 26    | Construction Manager Hallway    | 3rd  | D    | 6MP Dual Head          | 6.0C-H5DH-DO1-IR    |                 |                |                 |             |                |                 |
| 27    | Mayor's Office Hallway          | 4th  | C    | 12MP Fisheye/Analytics | 12.0W-H5A-FE-DO1-IR | H5A-FE-MT-NPTA1 |                |                 |             |                |                 |
| 28    | Mayor's Office Door             | 4th  | E    | 3MP Intercom           | 3.0C-H4VI-RO1-IR    | H4VI-MT-SURF1   | H4VI-AC-RELY1  |                 |             |                |                 |
| 29    | Roof                            | 4th  | F    | 4MP Dome/Analytics     | 4.0C-H5A-D1-IR      |                 |                |                 |             |                |                 |

| QTY | Part Type                                | Type | Part #              |
|-----|------------------------------------------|------|---------------------|
| 3   | 15MP 270 Multisensor                     | B    | 15C-H4A-3MH-270     |
| 11  | 12MP Fisheye/Analytics                   | C    | 12.0W-H5A-FE-DO1-IR |
| 6   | 6MP Dual Head                            | D    | 6.0C-H5DH-DO1-IR    |
| 1   | 3MP Intercom                             | E    | 3.0C-H4VI-RO1-IR    |
| 8   | 4MP Dome/Analytics                       | F    | 4.0C-H5A-D1-IR      |
| 29  | Video Management Software/Camera License |      | ACC7-ENT            |
| 29  | 3 Year Software Upgrade                  |      | ACC-ENT-SMART-3YR   |
| 1   | AI 48TB NVR                              |      | AINVR-STD-48TB-NA   |
| 3   | Mount                                    |      | H4AMH-AD-PEND1      |
| 3   | Mount                                    |      | H4AMH-DO-COVR1      |
| 3   | Mount                                    |      | IRPTZ-MNT-WALL1     |
| 3   | Mount                                    |      | H4-BO-JBOX1         |
| 3   | IR Ring                                  |      | H4AMH-AD-IRIL1      |
| 3   | POE Injector                             |      | POE-INJ2-60W-NA     |

**Site 3**  
**DPW**

**943 – 1117 River Street**

DPW will include 9 new exterior cameras Avigilon cameras, a 24TB AINVR, new switches, and CAT6 cabling.



| Cam # | LOCATION                      | Map | Type | Description          | Part Number     | Mount          | Mount          | Mount           | Mount       | IR             | Power           |
|-------|-------------------------------|-----|------|----------------------|-----------------|----------------|----------------|-----------------|-------------|----------------|-----------------|
|       | City Hall                     |     |      |                      |                 |                |                |                 |             |                |                 |
| 1     | Corner Building-River St      | EXT | B    | 15MP 270 Multisensor | 15C-H4A-3MH-270 | H4AMH-AD-PEND1 | H4AMH-DO-COVR1 | IRPTZ-MNT-WALL1 | H4-MT-CRNR1 | H4AMH-AD-IRIL1 | POE-INJ2-60W-NA |
| 2     | Corner Building /Facing River | EXT | B    | 15MP 270 Multisensor | 15C-H4A-3MH-270 | H4AMH-AD-PEND1 | H4AMH-DO-COVR1 | IRPTZ-MNT-WALL1 | H4-MT-CRNR1 | H4AMH-AD-IRIL1 | POE-INJ2-60W-NA |
| 3     | Corner Building /Facing River | EXT | B    | 15MP 270 Multisensor | 15C-H4A-3MH-270 | H4AMH-AD-PEND1 | H4AMH-DO-COVR1 | IRPTZ-MNT-WALL1 | H4-MT-CRNR1 | H4AMH-AD-IRIL1 | POE-INJ2-60W-NA |
| 4     | Facing River St               | EXT | A    | 6MP Bullet/Analytics | 6.0C-H5A-BO1-IR | H4-BO-JBOX1    |                |                 |             |                |                 |
| 5     | Corner Building-River St      | EXT | B    | 15MP 270 Multisensor | 15C-H4A-3MH-270 | H4AMH-AD-PEND1 | H4AMH-DO-COVR1 | IRPTZ-MNT-WALL1 | H4-MT-CRNR1 | H4AMH-AD-IRIL1 | POE-INJ2-60W-NA |
| 6     | Facing River St               | EXT | A    | 6MP Bullet/Analytics | 6.0C-H5A-BO1-IR | H4-BO-JBOX1    |                |                 |             |                |                 |
| 7     | Facing River St               | EXT | A    | 6MP Bullet/Analytics | 6.0C-H5A-BO1-IR | H4-BO-JBOX1    |                |                 |             |                |                 |
| 8     | Facing River                  | EXT | A    | 6MP Bullet/Analytics | 6.0C-H5A-BO1-IR | H4-BO-JBOX1    |                |                 |             |                |                 |
| 9     | Facing River                  | EXT | A    | 6MP Bullet/Analytics | 6.0C-H5A-BO1-IR | H4-BO-JBOX1    |                |                 |             |                |                 |

| QTY | Part Type                                | Type | Part #            |
|-----|------------------------------------------|------|-------------------|
| 5   | 6MP Bullet/Analytics                     | A    | 6.0C-H5A-BO1-IR   |
| 4   | 15MP 270 Multisensor                     | B    | 15C-H4A-3MH-270   |
| 9   | Video Management Software/Camera License |      | ACC7-ENT          |
| 9   | 3 Year Software Upgrade                  |      | ACC-ENT-SMART-3YR |
| 1   | AI 24TB NVR                              |      | AINVR-STD-24TB-NA |
| 4   | Mount                                    |      | H4AMH-AD-PEND1    |
| 4   | Mount                                    |      | H4AMH-DO-COVR1    |
| 4   | Mount                                    |      | IRPTZ-MNT-WALL1   |
| 5   | Mount                                    |      | H4-BO-JBOX1       |
| 4   | Mount                                    |      | H4-MT-CRNR1       |
| 4   | IR Ring                                  |      | H4AMH-AD-IRIL1    |
| 4   | POE Injector                             |      | POE-INJ2-60W-NA   |

**BID PROPOSAL**

This Contract is to supply and install a video surveillance system at three locations, as described within this solicitation. Bid proposals shall include all labor costs using prevailing wages, material costs, and debris removal and disposal costs.

The undersigned bidder declares that this proposal is made without connection with any other person(s) making proposals for the same work and is in all respects fair and without collusion or fraud; and that, except in the normal discharge of his or her official duties, no person acting for or employed by the City of Woonsocket is directly or indirectly interested therein, or in the work to which it related or in any portion of the profits thereof and that the Specifications and Contract Agreement have been carefully examined.

The City shall award this contract to the lowest responsive and responsible bidder. Payment will be made to the selected service provider when the work is completed and approved.

**TOTAL COST**    \$ \_\_\_\_\_

**Total Cost in Words:**

|                                                  |            |
|--------------------------------------------------|------------|
| <b>PROPOSAL SUBMITTED BY:</b>                    |            |
| <b>COMPANY NAME</b>                              |            |
| <b>STREET &amp; NUMBER</b>                       |            |
| <b>CITY &amp; STATE</b>                          |            |
| <b>MAILING ADDRESS (If different from above)</b> |            |
| <b>CITY &amp; STATE</b>                          |            |
| <b>BY(PERSON)</b>                                |            |
| <b>SIGNATURE</b>                                 |            |
| <b>TELEPHONE</b>                                 | <b>FAX</b> |

**EMAIL ADDRESS:** .....