

***City Of Boston / Boston Police
Villa Victoria Surveillance Cameras***

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City Of Boston / Boston Police Villa Victoria Surveillance Cameras

Project Goals:

To increase and augment existing security cameras and antennas that exist within the Villa Victoria housing development. The overall goal is to reach 1080p HD resolution coupled with frame rates of 30fps. The new cameras will be stored on existing BPD video servers that have been previously installed and are calculated within the same resolution and frame rate parameters to achieve state mandated video recording of 30 days retention. This upgrade will enhance video quality to monitor and record future incidents in the Villa Victoria / Blackstone School / Washington Park area. The cameras will be viewed at Schroeder Plaza and at Boston Police District D-4.

Key Objectives:

1. Position camera, and antenna, based on recommendations of BPD and citizen input.
2. Increase bandwidth to achieve quality resolution and frame rates for post forensic analysis
3. Integrate with existing Villa Victoria cameras and make them accessible to BPD camera network.
4. Provide necessary maintenance which will be minimal

Site Considerations:

Upon several visits to the site, the following points were collected:

1. All cameras and antennas can be integrated within existing BPD infrastructure
2. Antenna paths have already been constructed and configured
3. The Blackstone School can serve as a local hub to backhaul video to existing BPD hub at 35 Northampton St
4. The existing Villa Victoria cameras are housed in a central location that is accessible to the BPD network.

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The Proposed Solution:

LAN-TEL will install a combination of outdoor-rated DVTEL security cameras and Ubiquiti wireless transmission devices to connect all new cameras back to existing Boston Police servers. All cameras will be recorded on existing DVTEL software which has already been configured on the new enterprise class servers. Site costs related to construction will be minimized by offsite pre-construction. The time for completion will be seamless and fast to provide a fully operational system. Below is a picture of the actual assembly already being deployed around other areas of Boston which is monitored by Boston Police Department.



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The cameras, made by DVTEL, are rugged and proven reliable in and around the City of Boston as well as in many other cities and towns in Massachusetts. Other large cities, such as Los Angeles and Baltimore, have been using DVTEL technology for almost 10 years.

Stock List

QTY:	VENDOR	PART#	Description:	EACH	TOTAL
1	DVTEL	CP-4221-201	Dvtel HD 30 x Zoom CP 4221-201	\$2,574.00	\$2,574.00
1	STAHLIN	J1614HPL	NEMA Enclosure 16 x 14	\$312.00	\$312.00
4	UBIQUITI	NM5	Ubiquiti Antenna	\$130.00	\$520.00
1	HP	HP	5 port Gig switch	\$156.00	\$156.00
1	UBIQUITI	NM5	Ubiquiti Backhaul	\$260.00	\$260.00
1	ALTRONIX	T2428175	24 v Power Supplies	\$52.00	\$52.00
1	DVTEL	CX-ARMX 1	Dvtel Bracket Arm	\$71.50	\$71.50
7	DVTEL	DVTEL	Camera Licenses	\$159.90	\$1,119.30
1	LABOR	HIGH VOLTAGE	Electrician	\$1,300.00	\$1,300.00
1	Hardware	Hardware	Misc Hardware	\$520.00	\$520.00
1	FISHER	FP283A-1-048-NHN	PHOTOELECTRIC	\$149.50	\$149.50
2	DVTEL	Encoder	Dvtel Encoder	\$1,300.00	\$2,600.00
100		CAT 5e	CABLE	\$0.38	\$37.70
2	Lcomm	Lcomm	POLE BRACKETS	\$26.00	\$52.00
		STOCK & LABOR	\$9724+\$4500		
		TOTAL	14,244.00		

Deployment:

LAN-TEL employs a large crew of union-based field installation technicians. The team of LAN-TEL employees, who currently manage the existing Boston Police Department system as well as the systems in the surrounding cities of Winthrop, Revere, Everett, Chelsea, Somerville, Brookline, Milton, and Quincy, will be responsible for deploying the cameras for this system wide upgrade project. The team will utilize a company owned bucket trucks to assist with mounting all cameras to the desired pole locations. LAN-TEL is familiar with the jurisdiction of local authorities and can work with the authorities to provide site access and traffic control to allow for a safe system deployment.

Cameras will be aligned and focused to cover the existing areas of interest and the corresponding wireless antenna will be adjusted and tuned to transmit on established paths of transmission. All field wiring will be dressed for outdoor environment and comply with local codes.

Maintenance and Service:

Upon completion of this total upgrade, the system is designed to be low maintenance due to the proposed electronics which are all solid state with minimal moving parts. In accordance with Massachusetts State Contract FAC64, there will be a one year warranty on the parts and labor provided for this upgrade. The service provides real-time monitoring of all connected cameras. A system health monitoring tool is used to notify if any abnormalities occur. LAN-TEL technicians will be deployed to remedy any issues to ensure all cameras are running at all times.

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Date: July 12, 2016

To: Shawn Romonski
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Boston City Hall,
Boston MA

From: Eric Johnson
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Re: City of Boston / Boston Police / Villa Victoria Surveillance Cameras

LAN-Tel is pleased to submit the attached proposal. This is based on the information, instruction and requirements mutually reviewed. This proposal will include the installation of the required monitors upgrade.

I am confident you will find our quote to be complete in terms of scope, and compliance, with FAC 64 as well as consistent with information received.

If you have any questions, please call me at (781) 352-4056, or simply e-mail me at ejohnson@lan-tel.com

We look forward to reviewing our proposal with you and thank you again for your continued consideration of LAN-TEL Communications, Inc.

Quote Summary:

LAN-TEL Communications, Inc.'s lump sum quotes include the supply of all labor, cable, coring, required equipment, project management, insurances and permits for successful installation of the equipment reviewed and stated herein.

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Provide, Install and program the following:
1 PTZ –Pan Tilt Zoom Camera and associated antennas

Integrate 16 existing Villa Victoria cameras to the existing BPD network with network encoder.

TOTAL COST TO PERFORM WORK: **\$14,244.00**

Qualifications:

1. Normal working hours are between 7:00AM and 4:00PM Monday through Friday, excluding holidays, unless otherwise directed, with premium labor adjustments applied per approved change order protocol.
2. All security work is to be coordinated and completed by LAN-TEL.
3. We assume all conduits, coring, sleeves, workboxes, floor boxes, poke-thrus with trim flanges, grounding backbone & bus bars, power, and rubbish removal from the central sweep point will be completed by LAN-Tel.
4. We shall fire-stop and seal only those sleeves, conduits, cores, utilized by LAN-TEL for the work specified.
5. We shall provide a one year product warranty under FAC64 against defects and on overall craftsmanship, starting from the date of substantial completion.
6. Warranty does not include any repairs of equipment damaged by vandalism, misuse, or “Acts of God”.
7. Underground utilities are to be marked and located by the owner. LAN-Tel will not be responsible for any underground utilities improperly marked.
8. Job permits are included in the total proposal cost.
9. Full and uninterrupted access to all the work locations is required.
10. This proposal is in effect for 60 days unless otherwise extended by LAN-Tel.

LAN-Tel Communications, Inc. BOSTON POLICE DEPARTMENT

By: *ERIC JOHNSON*

By: _____

Date: 7/12/2015

Date: _____

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