<p align="center" style="color:#1F4E99">Security Camera Strategy
Status Meeting – 5/23/18</p>

Time: Wednesday, 5/23/2018, 9:00AM – 10:00AM (Next meeting = 6/6/2018)

Location: Conference Room 115 / Dial In: 1-866-715-6967, Passcode: 4466461 (Host: 7860059)

Called by: Linda Calnan x52875

I. Agenda-Locations / Status Updates / Action Items

Locations: (<u>Updates in bold</u>)

- **City Hall Core System Upgrades: Ongoing**
    - o **City Hall camera replacements** – Cameras installations and integration in progress. Muni-Security and Linda managing.

    - o **Plaza Cameras** – new project – site walk-thru conducted yesterday.

- **BCYF - Gallivan CC – Under construction – 16 new cameras being ordered; RAP network to be installed.** Cameras to be installed and integrated to BCYF camera system. Comcast cable modem & RAP& Cisco switch to be used. Linda working with James Sessum and Rob Flaherty. Timeframe = dependent on construction ~late May.

- **BCYF Vine St – Update** – Construction completing in ~June. Ordered 14 new cameras (3 exterior and 11 interior). Current pt-to-pt wireless on roof to be replaced. Expected completion ~mid-July. Linda, Rob and Roberson managing project together.

- **BPD Camera projects – downtown crossing – Two new projects for downtown to begin. ~41 new cameras –** Phase 3 has started, walk-thrus completed and installs to begin. (Projects dependent on completion of backhaul at China Trade.) Shawn/Matt/Louie managing.

- **BPD HQ – Update** – Funding approved. Project moving forward. Shawn/Matt managing.

- **BPHC - Woods Mullen Medical Ctr – Mass Ave/Albany St Homeless Shelter – replacing 7 analog cameras and adding ~11 IP cameras = 18 cameras total**. Replacing PA & card reader systems also. PO approved. Project moving forward. Belkus managing.

- **BPHC – Other Camera Projects –** a.) 35 N. Hampton-camera adds- ON-HOLD; b.) 774 Albany St. fiber run to 35 N. Hampton for camera adds – 12 count fiber being run to 29th floor for integration in to City Hall camera code system.

- **2 Boylston/China Trade – Update – Construction in progress – Update -** Conduit to be run from BTD manhole to building as part of construction. DoIT provided BPDA construction PM, Deloris Fazio, and BPL with quote for fiber from BTD splice to BPL server room. BPDA and BPL to decide on ownership and payment of fiber. BPD to run fiber, 12 strands, to top (6th) floor, and DoIT to provide 2 switches. BPD requesting connectivity via BoNet for pt-to-pt wireless alternate connection (critical path for BPD cameras). Team meeting with Delores to be scheduled for next Thu at 1PM.

- **Archives Bldg (W. Roxbury) – Update** – Switch upgrade complete. Next steps: 1.) cabling may be run by John Gillis, Muni-Security; 2.) cameras to be installed and added to Municipal Security Genetec camera infrastructure. (Current set up = 8 analog cameras to a Bosh DVR.) Propose to use Axis encoders to connect existing cameras to BoNet switch. CAT6 cabling and PoE extenders are needed.

- **Franklin Park Yard** – **Update** – Green house - relocate main entrance to Canterbury St. and adding 2+ cameras and VoIP. BoNet and fiber connectivity needed or may use BPD wireless camera set up with Lan-Tel/DVTel. Steve and Vinny are managing.

- **Franklin Park Golf Course** – **New Project** – 17 cameras, switch to be in Franklin yard GC, will use RCN connection, will set up isolated platform. – Completed, will remove for next meeting.

- **Boston Common Visitor Center** – **Update** – 4 analog cameras – encoder (in Chief's office) needed. John to do cabling. Plan to route DVR, which is currently on our admin network, to the City Hall camera core system. Camera views needed by BPD. (P2 Synesis project ~ 18 mos out)

- **Frog Pond Cameras** – **Update** – migrate off Avigilon to Genetec system for video sharing. Currently there is a BoNet 300mg link connection. Considerations are to either re-wire cameras to BoNet node or extend node. Cameras are privately owned and Steve to obtain permission to integrate them. Camera views needed by BPD. Steve managing.

- **BFD Maintenance Garage – 900 Mass Ave – New Project** – **Site walk-thru and spec sheets provided to Joe**. BFD putting in several new cameras that will integrate to City Hall core camera system. Fiber connectivity is there. New 48-port switches, cabling and cameras to be purchased.

- **Martin Richard Park – New Project** – Needs: connectivity to BoNet for wifi and video VPN for cameras. Network engineering working on connectivity options.

- **Custom House Block** – **Same update** - Camera installation (~9 cameras) after renovations complete. Mini-Sec is primary with BPD access allowed. Currently no fiber, network connectivity. Need to conduct site-walk-thru for pt-to-pt microwave and switching/cabling needs. Cameras may be provided by Capital Properties via BPDA. Currently researching if existing microwaves in the area may work for network connectivity

- **Citywide Camera project hosted by OEM/Rene.** Shawn producing consolidated map – ongoing. Matt working with City Hall ESRI team for ArcGIS maps.

- **Video Sharing MOU & Governance** – Establishing cross-agency MOUs and a standard Governance for video sharing agencies to approve and use. **MSP/BTD/BHA/BPD Video Share** –MSP confirmed video access to BPD cameras. Working thru these MOUs.

- **Private Company Camera Share** – **New Update** - Vertex and other Seaport district companies would like to share their video (external) with BTD and possibly other agencies. BTD with DoIT are leading this effort and working with the Seaport Leadership Group. Group meeting scheduled for 5/25.

  ´ **On Hold - Canterbury Street, Public Works (Comcast 100MG) (Warehouse for city lighting-theft & security issues) -** Waiting on Public Works final approval of quote provided for 16 cameras and local archiver.

  ´ **On Hold - Water & Sewer – HQ-Harrison Ave (78 cameras) & Alford St (37 cameras) – On hold due to budget issues.** Obtaining new contact to work with.

´ **BCYF – Hyde Park CC – On Hold –** Due to lack of funding. NOTE: Chief Joyce wants cameras here asap. BoNet connectivity exists. Per Rob, will need separate switch for Lab. **Looking to check with BPD/OEM for funding of outdoor cameras due to gang issues.**

Roadblocks / Critical issues:

• None

II. On regular bi-weekly schedule.

Attendees		Invited	Attended
Brett Haynes	COB Network	X	
Brian Barcelou	BPD, Network	X	
Brian Henry	MBTA	X	
John Gillis	MPS	X	
Dan Rothman	CTO, COB	X	
Krishnamoorthi Ramasamy	BPHC	X	
Conor McDavitt	Siemens	X	
Eric Johnson	Lan-Tel	X	
Robert Gilchreist	Siemens	X	
Jarrod Fullerton	Genetec	X	
Jason MacDonald	BFD	X	
Jeff Beers	BPHC	X	
Jason Marshall	BPD, Network	X	
Jerry Turner	COB Network	X	
Jim Fitzpatrick	BPD, Network	X	
Linda Calnan	COB	X	
Louis Madeira	BPD	X	
Rob Flaherty	BCYF	X	
Mike Flaherty	MPS	X	
Mike Kane	OEM	X	
Nelson Vasconcelos	Siemens	X	
Shawn Romanoski	BPD	X	
Vinny Stancato	Lan-Tel	X	
William Joyce	MPS	X	
Wilson Aleman	BTD	X	
Gary Cupido	VidSys	X	
Matt Spillane	BPD	X	

<h1 style="text-align:center">Security Camera Strategy
Status Meeting – 8/1/18</h1>

Time: Wednesday, 8/1/2018, 9:00AM – 10:00AM (**Next meeting - 3 weeks out = 8/22/2018**)

Location: Conference Room 115 / Dial In: 1-866-715-6967, Passcode: 4466461 (Host: 7860059)

Called by: Linda Calnan x52875

I. Agenda-Locations / Status Updates / Action Items

Locations: (<u>Updates in bold</u>)

- **City Hall Core System Upgrades: Ongoing**
  - **City Hall camera maintenance** – Ongoing. Muni-Sec and Linda managing.

- **BCYF - Gallivan CC – Update – Opening Sept 1st – 16 new cameras; RAP, Comcast cable modem and service were ordered by BCYF – waiting to receive RAP and on date for Comcast service. Network switch configured and ready for install. Patch panel may be needed.** Cameras will be integrated to BCYF camera system once network connectivity established. Cameras to use DHCP for IP addressing. Linda working with James Sessum and Rob Flaherty.

- **BCYF Vine St** CC – **Update – Opening early Sept -** 14 new cameras (3 exterior and 11 interior). **Pt-to-pt wireless on roof re-installation requires remediation to meet specs. SullyMac to do remediation and needs PO ASAP for quote provided this week. Quote sent to Procurement on 7/31**. (No network cabinet needed as server room has rack(s) installed.) Linda, Rob and Roberson managing project together.

- **BPD Camera projects – downtown crossing – Phase 2 completing this month.** Phase 3 has started and installs to begin later this month. Backhaul to China Trade = critical. Shawn/Matt/Louie managing.

- **BPD HQ – Update** – Funding allocated by OEM. Shawn/Louie managing.

- **BPHC - Woods Mullen Medical Ctr – Mass Ave/Albany St Homeless Shelter – 90% complete** – replacing 7 analog cameras and adding ~11 IP cameras = 18 cameras total. Replacing PA & card reader systems also.

- **BPHC – Other Camera Projects –** a.) **Albany St. fiber run to 35 N. Hampton** – 12 count fiber run completed and IPs for cameras issued. b.) **Need update**: 35 N. Hampton-camera adds; integration to City Hall Core system is TBD. C.) **Need update**: J. Cushing using 2 encoders at 785 Albany St, 5th floor/EMS HQ for analog camera connectivity. 2 IPs provided for set up.

- **2 Boylston/China Trade** – **Update – Construction in progress - Update –** Lan-Tel specifications for fiber to roof and wireless unti installation on roof – approved by COB construction (Dolores Fazio). (Because this is a historical building, construction must be spec'd and approved prior.) Lan-Tel to complete work by this week-8/3. DoIT to provide **2** switches – 1 for server room to be installed 8/2, and 1 for 6th floor. BPD requesting connectivity via BoNet for pt-to-pt wireless connection (critical path for BPD DTX cameras).

- **Archives Bldg (W. Roxbury) – Same update** – Switch upgrade complete. Next steps: 1.) cabling to be run by John Gillis; 2.) cameras to be installation and added to Municipal Security Genetec camera infrastructure – IPs requested. Current set up = 8 analog cameras to a Bosh DVR. Propose to use Axis encoders to connect existing cameras to BoNet switch. CAT6 cabling and PoE extenders are needed.

Security Camera Strategy
Status Meeting – 8/1/18

- **Boston Common Visitor Center – No new update - John Gillis to do cabling. Steve to purchase 12 port , managed POE, sgl pwr supply switch.** Plan to route DVR, which is currently on our admin network, to the City Hall camera core system. Camera views needed by BPD. (P2 Synesis project ~ 18 mos. out)

- **Frog Pond Camera – No new update** – John Gillis to do cabling from 2nd floor to basement/BoNet node 300mg link connection. Bos.Skating Club owns cameras and Avigilon DVR currently there. Cameras to be integrated to City Hall system for BPD viewing. Steve managing.

- **BFD Maintenance Garage (900 Mass Ave) to BFD HQ (115 S. Hampton) – Update – Connectivity to BoNet network established. Cameras, cabling and licensing installed and completed. Waiting on camera cables to be plugged in to switch ports.** (IPs provided = .67 to .125)

- **Martin Richard Park** – BPD handling camera installation and support. Wifi currently not in plans.

- **Custom House Block – Same Update -** Camera installation (~9 cameras) after renovations complete. Mini-Sec is primary with BPD access allowed. Currently no fiber, network connectivity. Need to conduct site-walk-thru for pt-to-pt microwave and switching/cabling needs. Cameras may be provided by Capital Properties via BPDA. Currently researching if existing microwaves in the area may work for network connectivity.

- **Citywide Camera project hosted by OEM/Rene –** Met with Rene last week. Linda providing standard minimum camera specs for City agencies and Shawn providing specs for BPD. (Note: Genetec supports integration with ~ 260 camera make/models and COMS/FLIR supports integration with DVTel cameras.)

- **Video Sharing MOU & Governance** – Established cross-agency MOUs and a standard Governance for video sharing agencies to approve and use. **MSP/BTD/BHA/BPD Video Share** –MSP confirmed video access to BPD cameras.

- **Private Company Camera Share – New Update -** Vertex and other Seaport district companies would like to share their video (external) with BTD and possibly other agencies. BTD with DoIT are leading this effort and working with the Seaport Leadership Group. Group meeting scheduled for 6/7. (May consider 3rd party hosting options.)

  - **On Hold - Canterbury Street, Public Works (Comcast 100MG) (Warehouse for city lighting-theft & security issues) -** Waiting on Public Works final approval of quote provided for 16 cameras and local archiver.

  - **On Hold - Water & Sewer – HQ-Harrison Ave (78 cameras) & Alford St (37 cameras) – On hold due to budget.**

  - **BCYF – Hyde Park CC – On Hold –** Due to lack of funding. NOTE: Chief Joyce wants cameras here asap. BoNet connectivity exists. Per Rob, will need separate switch for Lab. **Looking to check with BPD/OEM for funding of outdoor cameras due to gang issues.**

Roadblocks / Critical issues:

- None

II. On SUMMER schedule.

Attendees		Invited	Attended
Brett Haynes	COB Network	X	
Brian Barcelou	BPD, Network	X	
Brian Henry	MBTA	X	
John Gillis	MPS	X	
Dan Rothman	CTO, COB	X	
Krishnamoorthi Ramasamy	BPHC	X	
Conor McDavitt	Siemens	X	
Eric Johnson	Lan-Tel	X	
Robert Gilchreist	Siemens	X	
Jarrod Fullerton	Genetec	X	
Jason MacDonald	BFD	X	
Jeff Beers	BPHC	X	
Jason Marshall	BPD, Network	X	
Jerry Turner	COB Network	X	
Jim Fitzpatrick	BPD, Network	X	
Linda Calnan	COB	X	
Louis Madeira	BPD	X	
Rob Flaherty	BCYF	X	
Mike Flaherty	MPS	X	
Mike Kane	OEM	X	
Nelson Vasconcelos	Siemens	X	
Shawn Romanoski	BPD	X	
Vinny Stancato	Lan-Tel	X	
William Joyce	MPS	X	
Wilson Aleman	BTD	X	
Gary Cupido	VidSys	X	
Matt Spillane	BPD	X	

Security Camera Strategy
Status Meeting – 8/22/18

Time: Wednesday, 8/22/2018, 9:00AM – 10:00AM (**Next meeting - 3 weeks out = 9/12/2018**)

Location: Conference Room 115 / Dial In: 1-866-715-6967, Passcode: 4466461 (Host: 7860059)

Called by: Linda Calnan x52875

I. Agenda-Locations / Status Updates / Action Items

Locations: (<u>Updates in bold</u>)

- **City Hall Core System Upgrades: Ongoing**
    - **City Hall camera maintenance** – Ongoing. Muni-Sec and Linda managing.

- **BCYF - Gallivan CC – Update – Opening Sept 1st – 16 new cameras being installed; RAP, & Comcast cable modem service being installed today, 8/20; network connectivity will be established this week.** Cameras will be integrated to BCYF camera system once network connectivity established. Cameras to use DHCP for IP addressing. Linda working with James Sessum and Rob Flaherty.

- **BCYF Vine St CC – Update – Under construction – Strike over - waiting on roof completion; wireless installation and NW connectivity on hold until roof is complete.** 14 new cameras (3 exterior and 11 interior) have been installed. Linda, Rob and Roberson managing project together.

- **BPD Camera projects – downtown crossing – Phase 2 completing this month.** Phase 3 has started and installs to begin later this month. Backhaul to China Trade = critical. Shawn/Matt/Louie managing.

- **BPD HQ – Update** – Funding allocated by OEM. Shawn/Louie managing.

- **BPHC - Woods Mullen Medical Ctr – Mass Ave/Albany St Homeless Shelter – 90% complete-cameras being integrated in to Genetec this week** – replacing 7 analog cameras and adding ~11 IP cameras = 18 cameras total. Replacing PA & card reader systems also.

- **BPHC – Other Camera Projects –** a.) **Completed = Albany St. fiber run to 35 N. Hampton** – 12 count fiber run completed and IPs for cameras issued. b.) **Need update**: 35 N. Hampton-camera adds; integration to City Hall Core system is TBD. C.) **Need update**: J. Cushing using 2 encoders at 785 Albany St, 5th floor/EMS HQ for analog camera connectivity. 2 IPs provided for set up.

- **2 Boylston/China Trade – Update – Project 70% complete - Update –** Conduit, fiber and network completed and tested. (Fiber connectivity to be improved by BTD.) DoIT to provide 2 switches – 1 for server room (installed) and 1 for 6th floor. Lan-Tel in process of installing the wireless unit on roof and the cabinet in the closet for both switches (BoNet & DVTel). DoIT supporting BPD connectivity to BoNet via pt-to-pt wireless connection (critical path for BPD DTX cameras).

- **Archives Bldg (W. Roxbury) – Same update** – Switch upgrade complete. Next steps: 1.) cabling to be run by John Gillis; 2.) cameras to be installation and added to Municipal Security Genetec camera infrastructure – IPs requested. Current set up = 8 analog cameras to a Bosh DVR. Propose to use Axis encoders to connect existing cameras to BoNet switch. CAT6 cabling and PoE extenders are needed.

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- **BFD Maintenance Garage (900 Mass Ave) to BFD HQ (115 S. Hampton) – Update – 6 camera views integrated and 3 workstations set up with Genetec access. Adding ~3 more users. Phase 2 = 40+ cameras to be ordered, installed and integrated.**

- **Martin Richard Park** – BPD handling camera installation and support. Wifi currently not in plans.

- **Custom House Block – Same Update** - Met with Mike Donohue – Linda to provide him with camera and wifi minimum specs for compliance. Camera installation (~9 cameras) after renovations complete. Mini-Sec is primary with BPD access allowed. Currently no fiber, network connectivity. Need to conduct site-walk-thru for pt-to-pt microwave and switching/cabling needs. Cameras may be provided by Capital Properties via BPDA. Currently researching if existing microwaves in the area may work for network connectivity.

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Eric Johnson	Lan-Tel	X	
Robert Gilchreist	Siemens	X	
Jarrod Fullerton	Genetec	X	
Jason MacDonald	BFD	X	
Jeff Beers	BPHC	X	
Jason Marshall	BPD, Network	X	
Jerry Turner	COB Network	X	
Jim Fitzpatrick	BPD, Network	X	
Linda Calnan	COB	X	
Louis Madeira	BPD	X	
Rob Flaherty	BCYF	X	
Mike Flaherty	MPS	X	
Mike Kane	OEM	X	
Nelson Vasconcelos	Siemens	X	
Shawn Romanoski	BPD	X	
Vinny Stancato	Lan-Tel	X	
William Joyce	MPS	X	
Wilson Aleman	BTD	X	
Gary Cupido	VidSys	X	
Matt Spillane	BPD	X	