



MAYOR'S OFFICE OF  
**EMERGENCY  
MANAGEMENT**

MARTIN J. WALSH  
MAYOR

**PSnet Executive Committee Meeting**  
**April 9, 2018**  
**Revere Police Department**  
**2:00PM**



**Attendees:**

Shawn Romanoski, BPD	Michele Bilodeau, Boston OEM
David Mahoney, Cambridge FD	Sarah Plowman, Boston OEM
Sgt. Jeff Gilmore, Everett PD	Rich Crehan, FTG
Capt. Steven Ford, Revere PD	

**Welcome**

- Sarah Plowman, OEM, opened the meeting at 2:10pm and reviewed the agenda.
- Sarah asked if there were any edits to be made to the 3.15.18 PSnet meeting minutes. There were none.
- **MOTION:** Approve the March 15, 2018 PSnet Executive Committee Meeting minutes.
  - *Motion: Sgt. Jeff Gilmore, Everett PD*
  - *Second: Shawn Romanoski, BPD*
  - *Motion passes by unanimous consent.*

**Vendor Reports on Network Project Updates**

- Rich Crehan, FTG, gave a summary of key projects from the past month:
  - FTG is currently addressing a power problem at one of the Revere PSnet sites. The problem stemmed from a circuit breaker issue.
  - The Quincy Radio Network project is in progress. Various sites have been worked on, but others still remain in the queue.
  - Coring work in Everett is scheduled for next week.
  - FTG is working with Boston stakeholders to schedule visits at several key PSnet sites for preventative maintenance, inventory, and general site cleanup and organization.
- Chuck Wade, Interisle, was absent.
- Eric Johnson, LAN-TEL, was absent.
- A brief discussion took place regarding cisco switches. A cyber security threat came to light recently; however, PSnet is safe from the potential cyber threat.
- A brief discussion took place regarding UPS batteries. Intermapper is set up to issue alerts to stakeholders regarding battery replacement. This system only works for those UPS batteries captured in Intermapper.



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**Old/New Business**

- Boston PSnet site relocation: Shawn Romanoski, BPD, followed up on the potential to relocate PSnet equipment from a federally-owned building to a new location.
  - He noted that there is another link on that site that had been previously omitted from lists, but that link is soon to be defunct anyway.
  - Additionally, there could be a handful of discontinued pieces of equipment still located on site that will need to be removed.
- Marathon Preparations: The group reported on PSnet-related Marathon preparation.
  - The BRIC is requesting more communications equipment than in the past.
  - The Brookline camera system will be incorporated into the overall Marathon system.
- July 4: The group discussed upcoming July 4 event PSnet-related preparations.
  - The two command post sites will need temporary PSnet extensions. Expected cost may be up to \$10,000.
  - It is likely that Boston will need more video.
  - The group noted it would be wise to consider running fiber to each of these locations.
- VMware: This conversation continued previous discussions about new licensing.
  - Sarah asked for guidance on identifying the customer account number.
  - HUB may have that information.
- Firewalls: Sarah facilitated discussion regarding upgrading the firewalls.
  - March 26 Firewall Kick Off Conversation went well. The room, made up of a combination of PSnet stakeholders and local city IT personnel, largely agreed that Juniper SRX firewalls made logical sense to procure for PSnet.
  - FTG provided a quote for the hardware: \$80,228.07 for 19 Juniper SRX firewalls.
  - OEM is now looking into procurement next steps and state contract options.
  - A brief discussion ensued regarding strategy. The firewalls can be configured and installed one by one; tackling this project in stages, as opposed to all at once, would not adversely affect the process.
- Everett Site Equipment Relocation: Sarah asked for an update.
  - Sgt. Gilmore, Everett PD reported that he is waiting on a revised quote for this project.
  - No other updates to report at this time.

*Motion to adjourn by Capt. Ford, Revere PD. Seconded by Shawn Romanoski, BPD.*

*Meeting adjourned at 2:52pm*

*Next Meeting: likely to be Tuesday, May 15, at 10am. Location TBD.*



MAYOR'S OFFICE OF  
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**PSnet Executive Committee Meeting**  
**May 15, 2018**  
**Revere Police Department**  
**10:00AM**



**Attendees:**

Shawn Romanoski, BPD	Scott Wilder, Brookline PD
Stephen Maywalt, Cambridge FD	Sarah Plowman, Boston OEM
Sgt. Jeff Gilmore, Everett PD	Michele Bilodeau, Boston OEM
Capt. Steven Ford, Revere PD	Chuck Wade, Interisle
Dan Rothman, Boston DoIT	Eric Johnson, LAN-TEL

**Welcome**

- Scott Wilder, Brookline PD, opened the meeting at 10:13am and reviewed the agenda.
- The meeting minutes from April 9 will be reviewed at the next month's meeting.

**Vendor Reports on Network Project Updates**

- Eric Johnson, LAN-TEL, gave a summary of key projects from the past month:
  - Assisted with a couple of after-hours service calls, working with Chuck. There were separate backhaul and server issues in Somerville.
  - Alerted stakeholders to PSnet issues after work hours.
- Chuck Wade, Interisle, gave a summary of key projects from the past month:
  - Reported having discovered issues with older AirPair microwave links. These are the oldest existing links in the network.
  - Installed new additional storage drives for the 3PAR storage systems and upgraded firmware.
  - Reissued certificates for all firewalls and reconfigured IPsec tunnels. The next renewal date will be July 15, 2019.
- Rich Crehan, FTG, was absent.
- A brief discussion took place regarding a Boston PSnet site relocation. The goal would be to relocate equipment from a federal building to a state building. However, the project is currently in a holding pattern; a continued exchange of information between stakeholders is required. John Surette from BPD will reach out. The group also discussed utilizing a new fiber connection, and noted that such a plan would affect the licensing.



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**May 15, 2018**  
**Revere Police Department**  
**10:00AM**



**Old/New Business**

- July 4: The group discussed upcoming July 4 event PSnet-related preparations.
  - The plan continues to be to repeat past PSnet procedures.
  - Any specific camera-related questions and requests can be directed to Eric Johnson, LAN-TEL.
- Spares: The group discussed priorities for purchasing quick-hit spare equipment.
  - FFY15 funding expires June 30, 2018. There is roughly \$42,000 available left in FFY15 that is allocated to PSnet for equipment purchases. Any equipment ordered with these funds must be received in hand by June 30, 2018.
  - The group discussed options for spares to order, including: Cisco switches, RAD IPmux-IE's, PDU management cards, and UPS's for camera sites.
- Fiber: Captain Steven Ford, Revere PD, reported on this update.
  - Revere may be running new municipal fiber soon, timeline and further details unknown at this point.
  - It was suggested by Chuck Wade, Interisle, that the PSnet Executive Committee should consider how to leverage fiber in the region, as well as how to share it, a part of a long-term development strategy.
- Quincy: The vendors raised the subject of long-term planning in Quincy.
  - It was suggested to begin thinking proactively about readjusting some of the backhaul links in Quincy at a few of their sites, or within an existing site. Doing so would make the network stronger.

*Motion to adjourn by Capt. Ford, Revere PD.*

*Meeting adjourned at 11:07am*

*Next Meeting: tentatively Thursday, June 14, at 12pm at BPD A-15, 20 Vine St Boston.*

# Security Camera Strategy Status Meeting – 6/6/18

Time: **Wednesday, 6/6/2018, 9:00AM – 10:00AM (Next meeting = 6/20/2018)**  
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: (Updates in bold)

- **City Hall Core System Upgrades: Ongoing**
  - **City Hall camera replacements** – Cameras installations and integration completed. Will remove for next report.
  - **Plaza Cameras** – Cameras installations and integration in progress. Muni-Security managing.
- **BCYF - Gallivan CC – Construction complete – 16 new cameras being installed this week; RAP network to be installed.** Cameras will be integrated to BCYF camera system once network connectivity established. Comcast cable modem & RAP& Cisco switch to be used. Linda working with James Sessum and Rob Flaherty. Expected completion = 6/29.
- **BCYF Vine St – Update** – Construction completing in ~mid-June. Ordered 14 new cameras (3 exterior and 11 interior). Current pt-to-pt wireless on roof to be replaced. Expected completion of camera integration ~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, Cameras installations and integrations in progress. (Project 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. Cameras prepped and ready for installation. Belkus and Bob Gilchreist managing.
- **BPHC – Other Camera Projects – a.) 35 N. Hampton - camera adds- ON-HOLD –** waiting on project B-fiber run. b.) **Albany St. fiber run to 35 N. Hampton** for camera adds – 12 count fiber being run to BoNet for network connectivity for integration of BPHC cameras in to City Hall Core camera infrastructure. C.) J. Cushing requested 2 encoders be installed at 785 Albany St/EMS HQ for analog camera connectivity.
- **2 Boylston/China Trade – Update – Construction in progress – Update -** Conduit was run from BTM manhole to building as part of construction. BPL issued PO for fiber (12 strands) from BTM splice to BPL server room. Because this is a historical building, construction must be spec'd and approved prior. BPD to provide technical specs for fiber run to the top (6<sup>th</sup>) floor and then to the roof. BPD to provide technical specs and drawings for wireless unit and installation plan for attaching to the roof. DoIT to provide 2 switches – 1 for server room and 1 for 6<sup>th</sup> floor. DoIT to provide specs and installation plan for wall-mounted cabinet. BPD requesting connectivity via BoNet for pt-to-pt wireless alternate connection (critical path for BPD cameras). Team met with BPDA and tech specs and drawings require approvals.
- **Archives Bldg (W. Roxbury) – Update** – Cabling ordered by property mgt. Next steps: 1.) cabling may be run by

# Security Camera Strategy

## Status Meeting – 6/6/18

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.

- **Circuit Drive / Greenhouse – Update** - relocate main entrance to Canterbury St. and installing 2 cameras on 2 new poles to view entrance and area. Admin bldg. to greenhouse is pt-to-pt and need to confirm it can support video.
- **Franklin Park Golf Course – Update** – 17 cameras, switch to be in Franklin yard GC, will use RCN connection. Team concurred to have the NVR configured with static IPs for remote viewing of video.
- **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 – Update** – Needs: connectivity to BoNet for wifi and video VPN for cameras. Network engineering working on connectivity options. Site meeting with construction team set for 6/7.
- **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. NEW: working on HOC video sharing and BPL video sharing.
- **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 3<sup>rd</sup> 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.**

# Security Camera Strategy Status Meeting – 6/6/18

• **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.**

<b>Attendees</b>		<b>Invited</b>	<b>Attended</b>
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	
Jarrold 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	



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  - It was suggested to begin thinking proactively about readjusting some of the backhaul links in Quincy at a few of their sites, or within an existing site. Doing so would make the network stronger.

*Motion to adjourn by Capt. Ford, Revere PD.*

*Meeting adjourned at 11:07am*

*Next Meeting: tentatively Thursday, June 14, at 12pm at BPD A-15, 20 Vine St Boston.*

# Security Camera Strategy Status Meeting – 6/20/18

Time: **Wednesday, 6/20/2018, 9:00AM – 10:00AM (Next meeting / 3 weeks out = 7/11/2018)**  
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: (Updates in bold)

- **City Hall Core System Upgrades: Ongoing**
  - **City Hall camera maintenance** – Ongoing, Muni-Sec and Linda managing.
- **BCYF - Gallivan CC – Update – Under construction until Sept – 16 new cameras being installed this week; RAP, Comcast cable modem to be ordered by BCYF. Network to be installed in July.** Cameras will be integrated to BCYF camera system once network connectivity established. Linda working with James Sessum and Rob Flaherty.
- **BCYF Vine St – Update – Under construction until Sept - 14 new cameras (3 exterior and 11 interior) to be installed, date = TBD.** Current pt-to-pt wireless on roof to be replaced. 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** – Working on Phase 2 funding allocation. Shawn/Louie managing.
- **BPHC - Woods Mullen Medical Ctr – Mass Ave/Albany St Homeless Shelter – New Project – replace 7 analog cameras and adding ~11 IP cameras = 18 cameras total.** Replacing PA & card reader systems also. In bid process. Site walk-thru completed last week. Belkus managing.
- **BPHC – Other Camera Projects** – a.) **Albany St. fiber run to 35 N. Hampton** – 12 count fiber being run to BoNet node, 29<sup>th</sup> floor, for network connectivity for integration of BPHC cameras in to City Hall Core camera infrastructure. b.) 35 N. Hampton-camera adds; integration to City Hall Core system is TBD. C.) J. Cushing requested 2 encoders be installed at 785 Albany St, 3<sup>rd</sup> floor/EMS HQ for analog camera connectivity. 2 IPs will be provided once additional info is provided and reviewed.
- **2 Boylston/China Trade – Update – Construction in progress - Update** – Conduit and fiber run completed. Specifications provided and are being review. Because this is a historical building, construction must be spec'd and approved prior. DoIT to provide 2 switches – 1 for server room and 1 for 6<sup>th</sup> floor. BPD requesting connectivity via BoNet for pt-to-pt wireless alternate connection (critical path for BPD DTX cameras).
- **Archives Bldg (W. Roxbury) – Update** – Switch upgrade complete. Next steps: 1.) cabling may be run by John Gillis; 2.) cameras to be installation and added to Municipal Security Genetec camera infrastructure – IP 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 – 6/20/18

- **Circuit Drive (275 Canterbury) / Greenhouse – Update** – fiber installation = 6/20. Switch installs complete. Camera installs in progress and IPs provided.
- **Boston Common Visitor Center** – Considering replacing the 4 analog cameras with IP cameras. 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 Camera - Update** – 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 – Update** – 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 purchased by BFD. Joe Mayo to provide installation dates.
- **Martin Richard Park** – Conducted site survey with BPD, Parks (Healy) and DoIT (DeStefano) on 6/7. Cameras will connect to BPD pt-to-pt network. Conduit and cabling requests submitted by DoIT for future use. 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** - Shawn producing consolidated map. BPD working with City Hall Esri team and Genetec on mapping.
- **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 MOU.
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# Security Camera Strategy Status Meeting – 6/20/18

**Roadblocks / Critical issues:**

- None

**II. On SUMMER schedule.**

<b>Attendees</b>		<b>Invited</b>	<b>Attended</b>
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	
Jarrold 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	