<h1 style="text-align:center">Security Camera Strategy
Status Meeting – 4/12/17</h1>

Time: Wednesday, 4/12/2017, 9:00AM – 10:00AM (Bi-weekly schedule. Next meeting = 4/26/2017)

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

Called by: Linda Calnan x2875

I. Agenda-Locations / Status Updates / Action Items

Locations: (Updates in bold:)

- **BHA – BHA upgrade and federation to City Hall core = complete.** Linda working with BPD on testing viewing access to BHA cameras. - (400+ cameras; BPD=view only access)

- **22 Dry Dock:**
    - **Sail Boston - Ready date = 6/1; events start 6/12**:
        - Received new counts last week (not final counts) and am working with teams on reducing costs. Will submit new IT budget by 4/14.
        - Siemens will provide additional cameras and van for temp set up – approved. Will work with BPD on selecting best location for set up.
        - Jascha and Rene have set guidelines on the following:
            - § Temporary event set up only – the office space has future use planned
            - § 1GB bandwidth only – no increase needed
            - § Video monitors to be in 3 rooms only – JOC/OPS, TOC, Intel

    - Security desk at 22 Dry Dock moving to 12 Channel – delayed per John O'Brien (waiting on new date).

- **BTD & City Hall Core System Upgrades – Enhanced SC v5.5 & VidSys 7.7.1 -**
    - **BTD: Genetec upgrade to v5.5 & Vidsys system upgrade to v7.7.1** – Upgrade work in progress. VidSys upgrade requires workstation updates and training. Siemens handling this for BTD.
    - **City Hall: Genetec upgrade to v5.5 & Vidsys system upgrade to v7.7.1 -** Upgrade work in progress.

- **BFD – Fire Alarm access to BPD Cameras – Brett and Chuck working thru configuration issues and have made significant progress.**

- **Downtown Crossing – Project resumed –** Camera installs almost complete – 1 remaining; configuration in to CIMS has started. Shawn/Louie managing.

- **Chinatown – Same update – On Hold** due waiting on required documentation from BPD. 20 of 37 cameras installed. Louie/Shawn managing.

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- **BPD HQ** – Equipment has been ordered.

- **BPD & Coast Guard, Harbor Installation** - ~27 cameras to BPD DVTel system. Camera installations in progress. Shawn managing.

- **Roch Ctr / West Roxbury Community Ctr** – New project. New camera adds. Lauren Hurley – POC.

- **Cambridge St. Guard shack – Project resumed** – MBTA to build guard shack. Muni-security working on installing new cameras on guard shack for add'l views of City Hall. Mike is managing the camera portion and MBTA is managing the guard shack build out.

- **BCYF – 112 Paris St. Fiber & Cameras – Same update: Construction scheduled to complete ~Aug 2017.** Plan to install pt-to-pt wireless connection for 15+ cameras. Network connectivity also required for ~45 workstations. No VoIP requirements initially. (Fiber connectivity to BoNet – is included in Mike Lynch dark fiber RFP.)

- **BPS – New project – Enable view access to cameras for muni-security and BPD. Brett and BPS completed troubleshooting network connectivity issues. Muni-security can view most cameras and is working through IP discrepancies.**

- **On Hold - Strand Theater - Looking for new contact to work with**.

- **On Hold - Canterbury Street, Public Works (Comcast 100MG) (Warehouse for city lighting-theft & security issues) -** Waiting on Public Works final approval of quote provided by Siemens 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.** Joe Crossen is managing.

- **Fiber Maps – GIS map of Comcast fiber for COB - completed.** Linda working with Genetec on camera mapping.

- **Body Cams –** Pilot extended to June. Pilot began 9/12, successful thus far. Shawn/Louie managing next steps.

- **Training for Louie to be certified with VidSys and DVTel approved by Chief.** - VidSys training ~ 7/2017

Roadblocks / Critical issues:

- None.

Security Camera Strategy
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II. On regular bi-weekly schedule.

Attendees		Invited	Attended
Brett Haynes	COB Network	X	
Brian Barcelou	BPD, Network	X	
Brian Henry	MBTA	X	
Bob Slade	MPS	X	
Dan Rothman	CTO, COB	X	
Krishnamoorthi Ramasamy	BPHC	X	
Conor McDavitt	Siemens	X	
Eric Johnson	Lan-Tel	X	
Ian Thomas	VidSys	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	
John Grennon	Lan-Tel	X	
Linda Calnan	COB	X	
Louis Madeira	BPD	X	
Mike Driscoll	DVTel	X	
Mike Flaherty	COB	X	
Mike Kane	OEM	X	
Nelson Vasconcelos	Siemens	X	
Rich Reidy	Siemens	X	
Shawn Romanoski	BPD	X	
Vinny Stancato	Lan-Tel	X	
William Joyce	MPS	X	
Wilson Aleman	BTD	X	

Security Camera Strategy
Status Meeting – 4/26/17

Time:	Wednesday, 4/26/2017, 9:00AM – 10:00AM (Bi-weekly schedule. Next meeting = 5/10/2017)
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>:)

- **BHA – BPD view access of all BHA cameras - <u>successfully completed</u> 4/14 in preparation for the Marathon. BPD team very thankful for this success.**

- **22 Dry Dock:**
    - **Sail Boston - Ready date = 6/1; events start 6/12**:
        - **Submitted new IT budget on 4/14**. Waiting on OEM budget approval. OEM has been notified that equipment delivery & installation will take ~4 weeks from when the orders are placed.
        - Siemens and Axis providing additional cameras and van for temp set up – approved. DoIT team met with BPD and Siemens on details.
        - Jascha and Rene have set guidelines on the following:
            - § Temporary event set up only – the office space has future use planned
            - § 1GB bandwidth only – no increase needed
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    - Security desk at 22 Dry Dock moving to 12 Channel – delayed per John O'Brien (waiting on new date).

- **BTD & City Hall Core System Upgrades – Enhanced SC v5.5 & VidSys 7.7.1 -**
    - **BTD / City Hall Core: Genetec system upgrade to SC v5.5 & Vidsys system upgrade to v7.7.1 –**

High Level Schedule (Resource)	Projected Target Date
1.) Alignment Meeting (LC)	4/19 - Completed
2.) Prep COB 1st server (ZVIDSYS03) for upgrade (Vidsys)	4/19 - Completed
3.) Upgrade Vidsys app on workstation – 20 workstations (BPD)	4/20 – 5/5
4.) Fix BTD Vidsys feed (Vidsys)	5/12
5.) Migrate Vidsys to Genetec Sec. Ctr – 1 hour downtime within 4 hour preapproved maintenance window (Vidsys)	5/8-5/12 (BTD to provide date/time for window)
6.) Prep camera system for upgrade and pretest	5/15
7.) Upgrade Genetec to SC 5.5 – 250 cameras and archivers to be migrated; post migration testing to be conducted – 4 hours downtime within 6 hour preapproved maintenance window	5/17-5/20 (BTD to provide date/time for window)

- **BFD – Fire Alarm access to BPD Cameras – Network connectivity has been <u>successfully completed</u> and**

Security Camera Strategy
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Linda requested for BFD to confirm the view access to BPD cameras.

- **BPS Cameras – view only access for Muni-Security and BPD – <u>successfully completed</u> 4/11. This is a major win for both BPD and muni-security.**

- **Downtown Crossing – Project resumed – EHP needs to be redone by Shawn.** Camera installs almost complete – 1 remaining; configuration in to CIMS has started. Estimated completion – End of May. Shawn/Louie managing.

- **Chinatown – Same update – On Hold** due waiting on required documentation from BPD. 20 of 37 cameras complete – expected completion ~late April installed. Shawn/Louie managing.

- **BPD HQ** – Equipment has been ordered. . Shawn/Louie managing.

- **BPD & Coast Guard, Harbor Installation** - ~27 cameras to BPD DVTel system. Camera installations in progress. Shawn managing.

- **Cambridge St. Guard shack – – MBTA to ship guard shack – 5/20.** Muni-security working on installing new 2 new cameras on guard shack for add'l views of City Hall. Mike is managing the camera portion and MBTA is managing the guard shack build out.

- **BCYF - Roch Ctr/W. Roxbury CC – New project. New camera installations. POCs – Lauren Hurley and Bob Slade. Working to obtain update.**

- **BCYF – 112 Paris St. Fiber & Cameras – Same update: Construction scheduled to complete 5/29/17.** Plan to install pt-to-pt wireless connection for 15+ cameras. Network connectivity also required for ~45 workstations. No VoIP requirements initially. (Fiber connectivity to BoNet – is included in Mike Lynch dark fiber RFP.)

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- **Camera Maps** – Linda working with Genetec, etc., on camera mapping.

- **Body Cams –** Pilot extended to **December**. Pilot began 9/12, successful thus far. Shawn/Louie managing next steps.

- **Training for Louie to be certified with VidSys approved by Chief.**   - VidSys training ~ 7/2017

Roadblocks / Critical issues:

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II. On regular bi-weekly schedule.

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Krishnamoorthi Ramasamy	BPHC	X	
Conor McDavitt	Siemens	X	
Eric Johnson	Lan-Tel	X	
Ian Thomas	VidSys	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	
John Grennon	Lan-Tel	X	
Linda Calnan	COB	X	
Louis Madeira	BPD	X	
Mike Driscoll	DVTel	X	
Mike Flaherty	MPS	X	
Mike Kane	OEM	X	
Nelson Vasconcelos	Siemens	X	
Rich Reidy	Siemens	X	
Shawn Romanoski	BPD	X	
Vinny Stancato	Lan-Tel	X	
William Joyce	MPS	X	
Wilson Aleman	BTD	X	
Gary Cupido	VidSys	X	

Attendees:

Dan Rothman, Boston DoIT		Deirdre Habershaw, Boston OEM
Stan Reichgott, Brookline FD		Sarah Plowman, Boston OEM
Scott Wilder, Brookline PD		Chuck Wade, Interisle
David Mahoney, Cambridge FD		Eric Johnson, LAN-TEL
Stephen Maywalt, Cambridge PD		Karen Coye, FTG
Ed Hernandez Sr., Chelsea PD		Shiro Ando, FTG
Rob Verdone, Chelsea OEM		Mike Cobb, FTG
Shawn Romanoski, BPD		Mike Saltzman, EOPSS

Welcome

- Scott Wilder, Brookline PD & PSNEC Chair, opened the PSnet Executive Committee (PSNEC) meeting at 10:06am.
- Scott reminded the group of Open Meeting Law practices.
- Scott thanked everyone who contributed to the 2017 Boston Marathon this month. The day went very smoothly and successfully.

Vendor-specific Updates

- Chuck Wade, Interisle, reported on recent projects.
    - Sent out status report email detailing problem resolution and analysis as well as projects moving forward.
    - One area to bring to the Committee's attention that is an issue: several communities want to expand radio sites via their own fiber. Next steps would require some planning, but probably not new equipment. This is a question for the Committee regarding project prioritization.

ACTION ITEM: Deirdre Habershaw, OEM, to follow up with Lt. Bob Gillan & Joe Pepjonovich of Quincy regarding a quote they submitted for a network switch. Upon further PSNEC discussion it does not appear to be related to this project.

- Eric Johnson, LAN-TEL, reported on recent projects.
  - LAN-TEL was involved this month with the Marathon prep: CIMS, making connections to BPD and BoNet, etc.
  - LAN-TEL is also looking into a switch issue at Schroeder Plaza.

- Karen Coye, FTG, reported on recent projects.
  - FTG has sent the DragonWave microwave onto RMA for an estimate.
  - The Chelsea network design report is being finalized.
  - FTG began monitoring InterMapper alerts in April. Beginning May 15 FTG plans to become the "first responder" to InterMapper alert issues regarding Cisco and HP switches. They will incorporate Interisle as needed.
  - *Note: during this update Shawn Romaoski, BPD, arrived late.*
  - FTG brought a request to the Committee to install their own probe to go into devices. They would still utilize InterMapper, but for security reasons and due to issues with the VPN connection within the past two weeks, they would like to use their own probe. It was discussed that it may be a Comcast issue. The Committee requests that FTG attempt to resolve the issue in other ways first and also provide more detail on the probe.

<u>ACTION ITEM:</u> Per the PSnet Exec Committee's request, FTG is to provide a document summarizing the technical details of the proposed probe. After review, the Committee will decide whether to grant access.

  - FTG requests that moving forward they only receive InterMapper alerts specific to switches, to aid in their response to issues as they arise.
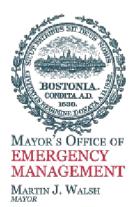
<u>ACTION ITEM:</u> Interisle to look into the process involved with tailoring InterMapper alerts for FTG.

Identify Needs and Next Steps
- Equipment/Software Purchases Updates:
  - <u>InterMapper</u>: Deirdre reported that OEM has entered into purchase order with Help Systems in order to renew the InterMapper licenses.

<u>ACTION ITEM:</u> Sarah Plowman, OEM, to pass along the Help Systems quote to Committee members and vendors.

  - <u>SharePoint SSL Certificate</u>: OEM had been waiting on a quote from Interisle or the Committee and had not yet received one. Chuck Wade, Interisle, reported the fee was minimal. The Committee approved Interisle to go forward with acquiring the certificate directly.
  - <u>Domain Management</u>: the SharePoint certificate issue as well as the fact that Firewalls will need to be addressed this summer both raised the larger subject of domain

management. In the past, Interisle has managed and issued certificates and domain names. Going forward the PSNEC will need to discuss this in more detail.

- Other Projects to be Discussed
  - o <u>Data Centers</u>: Deirdre asked, and Interisle confirmed, that the estimate of two technicians devoting two weeks' time to the data center migration (from Dell to Virtual) was still accurate. Interisle extended an invitation to those with experience to participate in this work. It was also discussed whether FTG could take part in the data center management in the future. Additionally, Interisle confirmed that they run backups but not real time replication. The capability is there but the applications may not require it.
  - o <u>Boundary Router Project</u>: Chuck updated that before the routers can be used, additional cleanup is required at Schroeder Plaza. The Committee requested that FTG install as many as are ready in May while Interisle finishes addressing Schroeder. The goal of the cleanup is to decommission equipment that isn't needed.

<u>ACTION ITEM:</u> Interisle to follow up with Shawn and discuss microwave traffic at Schroeder Plaza.

<u>ACTION ITEM:</u> Interisle to send finalized list of router installation site locations to FTG by May 1 so that they can plan.

Old/New Business

- Rooftop Installation Standards:
  - o Dan Rothman, DoIT, reported that the Boston Public School System was instructed by their insurance company to hold any future rooftop installations until existing sites could be cleaned up and bring under compliance with standards: mounting brackets & cabling, grounding, proper securing of cables and skids, power supply, etc.
  - o This currently pertains to the City of Boston but should be treated as a set of best practices for other communities.

<u>ACTION ITEM:</u> Dan Rothman to forward standards and requirements to Deidre, who is to pass them along to the Committee members and vendors.

- Networking Deep Dive:
  - o Dan suggests gathering network-savvy Committee members and vendors together in order to do a "deep dive" of how CIMS, PSnet, BoNet, etc. all connect and interlink.
  - o This is a project that can be prioritized based on funding availability.

- Vendor Communication, Google Forms, Clarification:
  - o Sarah summarized again the purpose of these forms: the goal is to collect the same information from all vendors at the same time and in the same format. This facilitates

easier comparison, archives, and quick review. When SharePoint gets resolved, this form of communication may become moot.

- o Regarding the Incident Response Report, it is to be understood as an after-action report, primarily tasked by the Committee members to individual vendors. However, vendors may fill them out of their own volition as well. Examples of when to complete the form would be: the issue requires new equipment, is showing signs of being part of a pattern of larger issues, and requires conferences between vendors in order to solve.
- o The vendors requested a few changes be made to the forms; OEM will look into this.

ACTION ITEM: Sarah & Deidre to edit headings on the weekly progress report to clarify and broaden the themes, look into adding an attachment option, and determine how to send copies of completed reports back to vendors upon submission.

- • First Net:
  - o Mike Saltzman, EOPPS, updated the group on the status of First Net. It has been awarded to AT&T. On April 28 there will be a presentation to Governor Baker. The anticipated date for the release of the state plan is still unknown.
  - o Additionally, Mike informed the room that Radio Network 7.17 firmware upgrade is now available. The State will be paying for the majority of the UASI upgrades, with the exception of only part of Cambridge. The upgrades are scheduled to take place next fall. There is a meeting to be held on May 9 with impacted stakeholders. Note that this will impact all console systems throughout the UASI Metro Boston Homeland Security Region except for Boston.

- • Next Meeting:
  - o Next meeting will be Thursday, May 25, 2017, 10:00am.
  - o Shawn Romanoski, BPD, offered to host in the Boston Police Department community room at the A-15 location.

Meeting adjourned at 11:38am

Security Camera Strategy
Status Meeting – 5/10/17

Time: Wednesday, 5/10/2017, 9:00AM – 10:00AM (Bi-weekly schedule. Next meeting = 5/24/2017)

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>:)

- **22 Dry Dock:**
  - **Sail Boston - Ready date = 6/1; events start 6/12**:
    - **IT budget approved; orders placed; fiber extension to 3rd floor completed**. Equipment expected to be received by 5/19. IT installations to be completed by 5/26.
    - Siemens and Axis providing additional cameras and van for temp set up – approved. DoIT team met with BPD and Siemens on details.

  - Security desk at 22 Dry Dock moving to 12 Channel – delayed per John O'Brien (waiting on new date).

  - **BTD & City Hall Core System Upgrades – Enhanced SC v5.5 & VidSys 7.7.1 -**
    - **BTD / City Hall Core: Genetec system upgrade to SC v5.5 & Vidsys system upgrade to v7.7.1 –**

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3.) Upgrade Vidsys app on workstation – 20 workstations (BPD)	Completed
4.) Fix BTD Vidsys feed (Vidsys)	5/12
5.) Migrate Vidsys to Genetec Sec. Ctr – 1 hour downtime within 4 hour preapproved maintenance window (Vidsys)	~5/12 (BTD to provide date/time for window)
6.) Prep camera system for upgrade and pretest	5/15-5/19
7.) Upgrade Genetec to SC 5.5 – 250 cameras and archivers to be migrated; post migration testing to be conducted – 4 hours downtime within 6 hour preapproved maintenance window	5/24-5/25 7:00PM-4:00AM

- **Downtown Crossing – Project resumed – EHP needs to be redone by Shawn.** Camera installs almost complete – 1 remaining; configuration in to CIMS has started. Estimated completion – End of May. Shawn/Louie managing.

- **Chinatown – Same update – On Hold** due waiting on required documentation from BPD. 20 of 37 cameras complete – expected completion ~late April installed. Shawn/Louie managing.

- **BPD HQ** – Equipment has been ordered. . Shawn/Louie managing.

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- **BPD & Coast Guard, Harbor Installation** - ~27 cameras to BPD DVTel system. Camera installations in progress. Shawn managing.

- **Cambridge St. Guard shack – – MBTA to ship guard shack – 5/20.** Muni-security working on installing new 2 new cameras on guard shack for add'l views of City Hall. Mike is managing the camera portion and MBTA is managing the guard shack build out.

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- **On Hold - Strand Theater - Looking for new contact to work with**.

- **On Hold - Canterbury Street, Public Works (Comcast 100MG) (Warehouse for city lighting-theft & security issues) -** Waiting on Public Works final approval of quote provided by Siemens 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.** Joe Crossen is managing.

- **Camera Maps** – Linda working with Genetec, etc., on camera mapping.

- **Body Cams –** Pilot extended to **December**. Pilot began 9/12, successful thus far. Shawn/Louie managing next steps.

 Roadblocks / Critical issues:

- None**.**

II. On regular bi-weekly schedule.

Attendees		Invited	Attended
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Eric Johnson	Lan-Tel	X	

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Jarrod Fullerton	Genetec	X	
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Vinny Stancato	Lan-Tel	X	
William Joyce	MPS	X	
Wilson Aleman	BTD	X	
Gary Cupido	VidSys	X	

Time: Wednesday, 8/16/2017, 9:00AM – 10:00AM (summer schedule - next meeting = 9/13/2017)

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

Next meeting = 9/13/2017

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

- **22 Dry Dock Muni-Security Service Desk Move**
  - o Security desk at 22 Dry Dock moving to 12 Channel – move complete. Will remove for next meeting.

- **BTD, Muni-Security & City Hall Core Systems:**
  - o **BTD: Genetec system upgrade to SC v5.5 & Vidsys system upgrade to v7.7.1** – Issues resolved. Will remove for next meeting.
  - o **Municipal Security: System upgraded to Genetec 5.5** (from 5.3) successfully. Will remove for next meeting.
  - o **City Hall core system to Genetec 5.5** (from 5.3) – tentatively scheduled for early Sept. **Also reviewing the ROI for consolidating Muni-Sec system with City Hall system and putting all on virtualized server infrastructure.**

- **Cambridge St. Guard Shack –Camera integration in to infrastructure completed successfully. Will remove for next meeting.**

- **BCYF – 112 Paris St. Fiber & Cameras – Camera integration complete. -** Only action item left: Mike S to provide camera names based on location – expected completion by 8/18. Mike Sulprizio and Rob Flaherty have "supervisor" accounts to see all BCYF cameras. "Operator" accounts have been set up to view only the BCYF location they reside at.

- **Downtown Crossing – Need update – EHP needs to be redone by Shawn.** Camera installs complete; configuration in to CIMS has started.   Shawn/Louie managing.

- **Chinatown – Need update – On Hold** due waiting on required documentation from BPD. 20 of 37 cameras complete. Shawn/Louie managing.

- **BPD HQ – Need update** - Equipment ordered. . Shawn/Louie managing.

- **BPD & Coast Guard, Harbor Installation - Need update** ~27 cameras to BPD DVTel system. Camera installations in progress. Shawn managing.

- **BPHC – New camera installations - 11** cameras have been added to 112 S. Hampton St.; and integration in to core infrastructure was completed on 8/3**. Project completed successfully.** Will remove for next meeting.

- **97 Magazine St. – Same update -** needs pt-to-pt wireless to 1010 Mass Ave for BoNet connectivity and camera infrastructure. Waiting on Brophy for quote approval. Mike managing.

- **BCYF – Hyde park CC – –** pt-to-pt wireless to Engine 48 – Engineering to extend video VPN.

- **BCYF – Cloherty Pool, Charlestown – New project -** needs BoNet connectivity and then camera infrastructure**.**

- **BCYF - Roch Ctr/W. Roxbury CC – New project -** New BoNet connection and camera installations**.** POCs – Lauren Hurley and Bob Slade. Rob Flaherty to provide PO for cameras.

- **Strand Theater - Under construction** – ceilings are now open for cabling. Funding is open issue that DND is working on. Quote and analysis provided by DoIT. May need Siemens to conduct another site walk-thru for updated quote.

- **On Hold - Canterbury Street, Public Works (Comcast 100MG) (Warehouse for city lighting-theft & security issues) -** Waiting on Public Works final approval of quote provided by Siemens 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.** Joe Crossen is managing.

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Mike Flaherty	MPS	X	
Mike Kane	OEM	X	
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Rich Reidy	Siemens	X	
Shawn Romanoski	BPD	X	
Vinny Stancato	Lan-Tel	X	
William Joyce	MPS	X	
Wilson Aleman	BTD	X	
Gary Cupido	VidSys	X	