DoIT Weekly Report template
Date: 9/10/18
From: Daniel Rothman

Project	Status

City Wide Video
LINDA
	Updates since last week:
	    Locations: (Updates in bold:)
	
	• **City Hall Core System Upgrades: Ongoing**
	    o **City Hall camera maintenance** – Beginning project to upgrade Sentry cameras at B&D's. Tim managing.
	
	• **BCYF - Gallivan CC – Update – Center is Open – Network connectivity complete. Cam licenses being purchased by BCYF. Cams to be integrated by Siemens.** Linda working with Rob Flaherty.
	
	• **BCYF Vine St – Update – Under construction – waiting on roof completion; wireless installation and NW connectivity on hold until roof is complete. Waiting on Cisco switches to be shipped. Meraki units configured and installed.** 14 cameras (3 exterior and 11 interior) have been installed. Cam licenses issued. Cams to be integrated by Siemens. 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 – Project – Project completed.**
	
	• **BPHC – Other Camera Projects – Need update:** J. Cushing requested 2 encoders be installed at 785 Albany St, 3rd floor/EMS HQ for analog camera connectivity.
	
	• **2 Boylston/China Trade – Update – Project 80% complete - Update** – 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 our switch.

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- **Archives Bldg (W. Roxbury) – Same update** – Switch upgrade complete. Next steps: 1.) cabling, camera installation and integration to Genetec. Current set up = 8 analog cameras to a Bosh DVR. Propose to use Axis encoders to connect existing cameras to BoNet switch. PoE extenders needed.

- **Circuit Drive (275 Canterbury) / Greenhouse – Update** – Next step: install Genetec client on 1 PC at Franklin Park Security Desk for video viewing (8gb ram and admin access req'd for PC). Scheduled for 9/14.

- **Boston Common Visitor Center – Same update** - Will install an encoder to convert 4 analog cameras to IP cameras. 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 – Same Update** –Currently there is a BoNet 300mg link connection. Considerations are to either re-wire existing cameras to BoNet node or BPD to consider purchasing a few external cameras. Cameras are privately owned (Avigilon cameras owned by Boston Skating Club) and Steve has obtained permission to integrate them. Camera views needed by BPD and BSC. Steve managing.

- **BFD Maintenance Garage – 900 Mass Ave to 115 S. Hampton – Update** – Camera installations ongoing. **BFD has been advised to obtain a support contract with Siemens as other agencies have done.**

- **Custom House Block – 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. 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 –** Linda provided standard minimum camera specs for City agencies.

- **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 – Same Update** – Met with Vertex on 6/7. Vertex and other Seaport district companies would like to share their video (external) with BTD and possibly other agencies. Vertex interested in using and paying for Cloud services for sharing their video. BTD with DoIT are leading this effort and working with the Seaport Leadership Group. Next meeting ~Aug.

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	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. **On Hold - BCYF – Hyde Park CC –** Due to lack of funding. Chief Joyce wants cameras here asap. BoNet connectivity exists. Per Rob, will need separate switch for Lab. BCYF, Muni-Security and DoIT met to discuss contributions sister agencies can do/make to get cameras at this site – many gang issues there. **Roadblocks / Critical issues:** - None
Disaster Recovery Data Center Colocation, Fiber Interconnection and Sourcing Services *LINDA*	**Updates since last week: Procurement issued 75% of the UCS equipment purchase.** **1.) Still outstanding - Waiting on procurement to issue the PO for the remaining UCS equipment which, at our request, was invoiced separately to accommodate procurement. This is still outstanding and is negatively affecting this project.** **2.) Still outstanding - Procurement informed us on 8/17/18, that they would like to pull out from using the awarded leasing company and finance the VMware licenses/service ourselves due to the City getting a lower interest rate. Rutter has been notified. Procurement to notify Ontario leasing company asap. This change could put the project in-jeopardy if not handled in a timely manner.** WAN infrastructure preparation progressing. March - Rutter won IFB for server infrastructure at NJ DC**.** **Wave 2 – Waiting for procurement to complete the UCS equipment purchase.** - VMware leasing company contract process proceeding. - Need to work thru DR strategy which directly affects the phased infrastructure move to NJ - Note: Mainframe at City Hall will not move. Goal is to migrate apps/data to cloud services in a separate project. **Wave 1 – COMPLETED 12/16/17** - Team determined to accept latency (~25ms) in 2ndary ckt to maintain complete diversity. (Primary ckt latency = 5ms) **Upcoming Milestones and Target dates for Wave 2 Migration:** - Issue the UCS PO - overdue. **Roadblocks / Critical issues:** **Waiting for procurement to complete UCS equipment purchase.** **Waiting for procurement to redo VMware, as per their decision on**

	8/17/18.
UASI Project – Interoperability Network Connectivity, Phase 1 (ends 3/2019) **LINDA**	**Updates: Design/Build specs provided to towns and met with half of them to discuss next steps:** ● Brookline – Project awarded, conducted kickoff. Estimated completion ~ late Sept**.** ● Cambridge – Project awarded, conducted kickoff. Estimated completion ~ late Sept**.** ● East Boston – Project awarded, conducted kickoff. Estimated completion ~ late Sept. ● Revere & Winthrop – Projects awarded, conducted kickoff. Estimated completion ~ Sept. ● Chelsea **-** Project awarded, conducted kickoff. Estimated completion ~ Oct**.** ● Everett – Project awarded, conducted kickoff. Estimated completion ~Oct**.** ● **Somerville –** met with public safety officials and town council to propose solutions for considerations to run fiber to this town – they had positive feedback and were open to begin bid process. **Roadblocks / Critical issues:** ● None
Server Decommissioning **LINDA**	**Updates since last week: No new update - Work is ongoing:** ● Decommissioning work ongoing. **Upcoming Milestones and Target dates:** ● None **Roadblocks / Critical issues:** ● None
CenturyLink Invoices **LINDA**	**Updates: Managing discussions with CenturyLink and procurement regarding outstanding invoices since 12/1/17:** ● Linda reviewing older invoices and matching the charges to the RFP pricing response. ● Linda, Susan and Laura met with CenturyLink again to review the contract issues, appropriate charges and remove incorrect ones. ● Procurement working to complete the contract with CenturyLink that is 1 year overdue – COB has been waiting on CenturyLink to finalize their amendment which will allow for billing to begin 12/1 and not earlier.
Mayor's Video Wall **LINDA**	**Updates since last week: Completed all options in Scope of Work.** ● Per Yvonne's request, adding a media router to the Eagle Conference room for ease of use, same as Mayor's office. Will complete this by 8/20/18. ● 8/20 – **Completed** - conducted training for Stefanie's team on Brite Author use. ● 8/20 – **Completed** - conducted training for Yvonne's team on use of new touch

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	pads. ● 8/23 – resolved emergency issues with Eagle room set up and PW. **Upcoming Milestones and Target dates:** ● 8/20 – completion of additional work ● Pay invoices received thus far. **Roadblocks / Critical issues:** ● None

Verizon I-Net Build
Matthews/Haynes
Bob D site surveys/ Fiber
support
	Scope of Work:
	● Verizon to connect (81) Locations in Dorchester, Roxbury, and West Roxbury.
	
	Status:
	● Phase 2A&2
	
	Updates since last week:
	● Betsy and the Verizon team continue working toward resolving MCO Issues specifically by changing the CLLI on P2A & P2 to make them more compatible with existing Vz CLLI's
	● Once testing is complete, we hope to complete P2A CO x-connects in advance of the 9/25 dates
	
	Phase 2A/2:
	● Verizon/CoB Phase 2A has been confirmed as follows
	    o Boston Day & Evening Academy 7/6 (Line & Splice Completed)
	    o Station M 7/5 (Line & Splice Completed)
	    o Dearborn Academy 7/17 (Line & Splice Completed)
	    o CASH 7/19 (Line & Splice Completed)
	    o EMS Fleet 8/16 (Splice: Line Completed)
	    o Boston International High 8/8 (Line& Splice Completed)
	    o Boston Latin Academy PERMITTING
	    o Div 2-Dist 7 Engine 24 Ladder 23 9/5
	    o Area B-3/Ambulance 3 8/23 Splice: Line Complete PERMITTING
	● Verizon/CoB Phase 2 has been confirmed as follows
	    o Dorchester Academy 7/19 (Line & Splice Completed)
	    o Paul Dever 9/14
	    o John McCormack 8/31
	    o William Russell 9/14
	    o Roger Clap 9/14
	    o Edward Everett 9/28
	    o Upper Academy 9/28
	    o Henderson Upper 8/14 (Line & splice Completed)
	    o Lee Academy 9/28
	    o P.A. Shaw Elementary 9/5
	    o Henderson Lower 9/28
	    o Thomas Elementary 8/21 (Line & splice Completed)

Project notes:

- The demarcs and fiber jumper lengths were determined as part of the site surveys and documented. Additionally, switch locations were documented – or the need for a switch if there isn't one installed at each location.
- As each order completes, Verizon will create the orders for the cross-connects in the Dorchester CO to connect each site to the Campbell Resource Center and Area-C11. Emergency Services will have 2 pairs to C-11 and 1 pair to Campbell. Schools are visa-versa. Verizon will create the orders for the cross-connects in the Roxbury CO to connect each site to the Bolling Building.
- SLA for cross-connect orders is (10) business days from order submission.
- As the cross-connect ports @Cob sites have been assigned and will be submitted to Verizon.
- 80 Switches have been purchased 10 units at a time brought to CoB as needed. All 3 MX104's and 80 EX-3400's have been received
- Per the agreement, Verizon will connect (43) BPS facilities to the BoNet network; the agreement outlines the following completion:
- Year 1 (Phase 1) = 12% [10 locations]
  - COMPLETED
- Year 2 (Phase 2A &2) = 38% [21 locations]
  - Surveys complete, documentation and engineering plans in progress Phase 3 of the project will begin after the engineering plans for Phase 2A/2 are complete and construction is ready to start.
  - Line & Splice Phase
- Year 3 (Phase 3A &3) = 77% [32 locations]
  Third phase of the project will begin after the engineering plans for Phase/Year 2 are complete and construction is ready to start
- Year 4(Phase 4) = 100% [18 locations]
  Third phase of the project will begin after the engineering plans for Phase/Year 2 are complete and construction is ready to start

Upcoming Milestones and Target dates:

- Verizon change and test new CLLI: 9/4

Phase 2A/2:

- Verizon/CoB Phase 2A has been confirmed as follows
  - Boston Day & Evening Academy 7/6 (Line & Splice Completed)
  - Station M 7/5 (Line & Splice Completed)
  - Dearborn Academy 7/17 (Line & Splice Completed)
  - CASH 7/19 (Line & Splice Completed)
  - EMS Fleet 8/16 (Splice: Line Completed)
  - Boston International High 8/8 (Line& Splice Completed)
  - Boston Latin Academy PERMITTING
  - Div 2-Dist 7 Engine 24 Ladder 23 9/5
  - Area B-3/Ambulance 3 8/23 Splice: Line Complete PERMITTING
- Verizon/CoB Phase 2 has been confirmed as follows
  - Dorchester Academy 7/19 (Line & Splice Completed)

	o Paul Dever 9/14 o John McCormack 8/31 o William Russell 9/14 o Roger Clap 9/14 o Edward Everett 9/28 o Upper Academy 9/28 o Henderson Upper 8/14 (Line & splice Completed) o Lee Academy 9/28 o P.A. Shaw Elementary 9/5 o Henderson Lower 9/28 o Thomas Elementary 8/21 (Line & splice Completed) **Roadblocks / Critical issues:** • Betsy and the Verizon team continue working toward resolving MCO Issues specifically by changing the CLLI on P2A & P2 to make them more compatible with existing Vz CLLI's 9/4
BPHC 1G Upgrade ***Matthews/Haynes*** **COMPLETE**	**Scope:** • Replace/Install 1G Radio link system o Replace 1G @ 1010 Mass Ave. -> BFDHQ § 1G=$26,612.70 **Status:** o **COMPLETE** **Updates since last week:** o **COMPLETE** **Upcoming Milestones and Target dates:** o **COMPLETE** **Roadblocks / Critical issues:** • None
CoB 10G Network Upgrade ***JOHN/HAYNES***	**Scope:** • Replace/upgrade 40 City of Boston Switches w/ 1G Modules due to EOL o Preferably Cisco Catalyst 3850 48 Port UPOE LAN Base § 48 port PoE/Dual P/S/2 fiber uplink ports/Layer 2& 3 functionality/10/1G Modules **Status:** Review Technical specs with Brett 8/30 & Template review 8/30

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	Updates since last week:
	Specs received from Brett, Template received from Laura
	
	Upcoming Milestones and Target dates:
	   • Schedule meeting with Laura 8/30
	   • RFP/Bid submittal
	
	Roadblocks / Critical issues:
	   • None

Extreme Switch Core-Site Replacement
JOHN/
	Scope:
	   • Replace (15) old existing extreme switches on core nodes with EX2300
	
	Status:
	
	   • 15 Juniper EX2300C switches received 8/22
	
	Updates since last week:
	   • IPC installation plan pending 8/30
	
	Upcoming Milestones and Target dates:
	   • IPC installation plan 8/30
	
	Roadblocks / Critical issues:
	   • None

Top Talker Reporting
Haynes/Matthews
Rothman
	Scope of work:
	   ● The Network team needs to be able to generate reports to provide real-time Analysis of the applications consuming the most bandwidth on the network.
	Status:
	
	Updates since last week
	   ● Sent to bid via Laura Melle
	
	Notes on different solutions researched:
	   ● The Network Team evaluated the functionality and reporting capabilities Juniper, and Net Scout.
	   ● The Juniper reporting does not provide the information the Network Team is looking for.
	   ● The Net Scout reporting meets the Network Team's requirements, but is very costly. The Net Scout solution provides Top Talker reporting as well as tools related to Network Security and Applications, which may warrant further discussion with other internal groups.
	   ● Net Brain does not meet the Requirements for the Network Team
	   ● CA-NFA meets needs and is affordable

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	Upcoming Milestones and Target dates: • Rothman E-Rate submission to Pinkerton: 9/4 target date **Roadblocks / Critical issues:** ● Rothman E-Rate submission to Pinkerton: 9/4 target date
Wicked Free Wifi Repair *Matthews*	**Scope of Work:** ● 34 Meraki AP's throughout CoB are down and Sully MAC will Asses, Remediate, Replace, or uninstall **Status:** ● Sully MAC has begun remediation 6/15-8/6 **Updates since last week:** o 90% complete waiting on meshing of Grove Hall Locations **Current Task:** ● Remediation **Upcoming Milestones and Target dates:** ● Remediation completed except for sites requiring a detail and additional remediation ● Waiting for quote form Chris Myer Taget date 9/6 **Roadblocks / Critical issues:** • None

BoNet Coresite(sub-Tending Node)_ upgrade
Site 33/Engine9
Haynes/Matthews
	Scope of Work:
	● BoNet M120switch to be replaced with MX104
	● Extreme Switch (EOL) àwith Juniper 2300-C
	
	Status:
	● Scheduled for 8/30 from 8:00 pm – 1:00 am
	
	Updates since last week:
	● New Project
	
	Upcoming Milestones and Target dates:
	    Scheduled for 8/30 from 8:00 pm – 1:00 am
	
	Roadblocks / Critical issues:
	    o None

BoNet Coresite Move *Site 54/Engine 50* *Haynes/Matthews* *Bob D site surveys/ Fiber* *support*	**Scope of Work:** ● BoNet M120switch to be replaced with MX104 from 1st floor to 3rd floor **Status:** ● Waiting for go ahead from Joe Mayo@ BFD

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	Updates since last week: ● P.O. authorized **Upcoming Milestones and Target dates:** • Waiting Data closet to be completed **Roadblocks / Critical issues:** ● Construction @ Engine 50 (Joe Mayo) o Oil hazmat remediation in BFD parking lot, to be re-assessed on 9/14
DND Switch Replacement **Haynes/Matthews**	**Scope of Work:** • Replace all Extreme user access switches with Cisco Switches • Matt Rouser from DND will fund replacement **Updates since last week:** • Quote received from Presidio for: o (11) Cisco 3850X Switches w/ dual P/S o (11) 1GB SXFP o (5) 1g-10G fiber Modules o (11) Standard Stacking Cable o (5) Juniper 1G SX SFP • Equipment Quote submitted to Rothman and reviewed with Rouser. Rouser agreed to pay the provided quote. **Upcoming milestones and target dates** • **Roadblocks/critical issues:** ● Rothman Submitted to Rouser 8/7
BPDA@City Hall Network Infrastructure Remediation **Haynes/Matthews**	**Scope of Work:** • Build-out new network infrastructure in all BPDA Network closets on the ninth floor • Purchase VoIP implementation equipment • Cabling to be site-surveyed; Sully Mac **Updates since last week:** • Received quote from Presidio for: o (9) Cisco 3850 48 Port Switches w/ dual P/S o (6) 1GB SXFP o (6) 1g-10G fiber Modules o (9) Standard Stacking Cable • Received quote from Ann Roper (Telecom) totaling $12,500.00 o Cabinet o PDU o UPS

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	o Cable Management • Equipment Quote submitted to Rothman **Upcoming milestones and target dates** • Sully Mac quote for pulling and terminating new fiber o Spec out new cabinet • Dan to discuss/ review quote with O'Shea (CIO- BRA) **Roadblocks/critical issues:** • Pending Fiber Details from Haynes (requested 8/30) o Submit details to O'Shea for his Dept. to manage project
Core Site Analysis *Matthews*	**Scope of Work:** • Create spreadsheet show Core & Sub-Tending Node Port Density • Add to CTC Master site list Database all site Core Nodes **Updates since last week:** • All Nodes completed **Upcoming milestones and target dates** • Update Visio for I-Net IRU with all new sites then cross reference 9/7 **Roadblocks/critical issues:** o None
Budgeting Analysis *FY19-FY20* *John Matthews*	**Scope of Work:** • Prioritize budgeting for FY19 • Create Budgeting for FY20 **Updates since last week:** • Met with IPC, Intrasystems, Sully Mac in order to create complete database prioritizing FY19-FY2005 **Upcoming milestones and target dates** • Meeting with IPC completed, awaiting detail Emailed 8/30 • IntraSystems Budgetary Meeting-waiting budget refresh emailed 8/30 • Meeting With Ed Pinkerton on 9/4 • Meeting with Sully MAC COMPLETE **Roadblocks/critical issues:** • None
Identity & Access Management *GRETCHEN*	**Updates since last week**: • IIQ testing and IIQ bug fix work ongoing • Added new developer resources from LikeMinds • Cutover Hyperion to Ping Federate Prod on 8/28 • Cutover of ESS/HCM to Ping Access Prod *postponed*, HCM team needed more time for testing • Working with BAIS FN team to investigate cause of issues with Ping Access • Interpro working on reconfiguration of WebMaint Form for FID - work should

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	be done week of 9/17 • BPS mirrored their Prod AD into their Test AD environment (with Rutter's help). **Upcoming milestones and target dates:** • Continue IIQ Testing and IIQ bug fix work ongoing • Cutover ESS/HCM to Ping Access Prod on 9/5 • 2nd attempt: Cutover FN to Ping Access Prod on 9/6 • Bi-weekly meeting with BPS **Roadblocks/critical issues:** • None at this time
NWN Project: Onboard managed service engagement ANN	**Updates since last week:** • Reviewed open NWN tickets 8/28/18 • 8/27/18 status call • Go-live complete 8/23/18 • On-boarding tasks scheduled for 8/16/18 completed • 8/9/18 NWN on-boarding activity completed • New remote access means given to NWN for their tasks **Upcoming Milestones and Target dates:** • Scheduling more in-depth review of monitoring capabilities with NWN engineer. • Bi-weekly call 9/10/18 • Status Conf Call 8/23/18 • Go Live – 8/23/18 **Roadblocks / Critical issues:** •
VOIP: BPD B-3 (BPD funded) ANN *NOTE: Awaiting release of VOIP capital budget to address Verizon Network Transformation*	**Updates since last week:** • Port prepared & submitted to VZ • Kick-off meeting 8/23/18 • SL dial tone ordered, due date pending • BPD completed SOW & PO for BOM • SIP circ ordered • Port at 90% **Upcoming Milestones and Target dates:** • Equipment verification & scanning into CM database pending

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	● Two T1s to be ordered & replaced under VZ Network Transition project at a later date. ● Analog line order pending **Roadblocks / Critical issues:** ●
Law Department Office relocation due to renovations *LIZ* *COMPLETED* *RELOCATION DATE BACK TO CITY HALL TBD* *OCTOBER 2018?*	**Updates since last week:** ● Law Department relocating entire staff 30-40+ users out of room 615 to various relocation sites ● Some will be at 2nd Floor in City Hall, others at Kierstein Library, and rest at 9th Floor of 26 Court Street ● 7/24/18 Law Department Staff Meeting to review best plan of action for smooth transition of all end users. ● **Upcoming Milestones and Target dates:** ● Early relocation of 2 law department staff and network printer LAW006 successful at 26 Court St 9th Floor as of 7/19/18. ● Prep work needed for remaining 38+ staff leading up to 7/26/18. ● 7/26/18 Disconnect Date & Time: 5PM or 6PM TBD. ● 7/27/18 HiQ to assist with relocation of computer equipment to the various new temporary locations; 2nd floor of City Hall – Room 241, Kierstein Library, 26 Court St 9th Floor. ● 7/29/18 Reconnect all devices and work with Networking/LAN to make sure all network printers are up and running for Monday 7/30/18 9AM. **Roadblocks / Critical issues:** ● Moving vendor bid not finalized until Thursday 7/26/18. ● HiQ support will be necessary to get all the equipment to the various sites. ● Staff shortages cause for using of contractor ● Printer connections were not flawless and took couple days to settle all users ● Random requests for IT support mandatory first couple of days. Insufficient staff available to meet the demand.
General Team Updates	None.