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ADDENDUM NO. 3

CONTRACT NO. DB-768A

This Addendum No. 3 provides additional information in connection with **Contract No. DB-768A** and is hereby made a part of the Request for Proposal for the above referenced project. This Addendum No. 3 hereby modifies and takes precedence over the original Request for Proposal as though originally included therein at length. Notwithstanding the foregoing, the COMMISSION's responses contained in this Addendum No. 3 to PROPOSERS' inquiries do not modify or take precedence over the original Request for Proposal for the above referenced project.

This Addendum No. 3 is to be signed by the PROPOSER and this **Page AD3-1** is to be attached to the Technical Proposal.

This Addendum No. 3 includes pages AD3-1 through AD3-69. Addendum No. 3 is hereby accepted and agreed to by the undersigned PROPOSER.

_____   _____

Name of PROPOSER   Signature

_____

Name and Title

Subscribed and sworn to
before me this ____
day of _____, 20__

_____

My Commission expires _____, 20__

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A. Modifications to TAB 1: INSTRUCTIONS TO PROPOSERS

1.   No changes.

B. Modifications to TAB 2: TECHNICAL REQUIREMENTS

1.   RFP Tab 2, Defined Terms

Delete the term Disaster Recovery Plan and its definition.

2.   RFP Tab 2, Defined Terms

Revise the definition for Headend Equipment to include the following:

"This item includes HVAC equipment related to outdoor NEMA enclosures."

3.   RFP Tab 2, Section 1.2.1

Revise Item 5 as follows:

"5.   Video Analytics: Briefcam INSIGHTS with REVIEW module having 550 camera licenses and RESPOND module having 10 camera licenses."

4.   RFP Tab 2, Section 2.2

Add the following sentence to the end of the second paragraph:

"The CONTRACTOR is also required to have EDR on their laptops used to connect to the ESS network"

5.   RFP Tab 2, Section 4

Delete the last two words (i.e. "and tools") from the first paragraph.

6.   RFP Tab 2, Section 7.7

Deleted "on the bench system" from Item 7.

7.   RFP Tab 2, Section 7.7

Delete Item 8 from the list of additional tasks.

8.   RFP Tab 2, Section 7.7

Delete "intrusion detection devices" and "tamper switches" from Item 10.

9.   RFP Tab 2, Section 7.9

Replace this section with the following:

"**7.9   SYSTEMS ENGINERING VERIFICATION**

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The CONTRACTOR is responsible for verifying any issues prior to site deployment. CONTRACTOR is responsible for applying systems engineering approach to any upgrades prior to deploying any hardware or software update to ensure there are no unintended consequences.

10. RFP Tab 2, Section 7.14

    Add the following paragraph:

    "The work includes, but is not limited to, sixty-five (65) ESS Client workstations not specifically identified in Tab 11, Exhibit A."

11. RFP Tab 2, Section 7.16

    Delete "AND WIDE" from the title of this section.

12. RFP Tab 2, Section 7.16

    Add the following paragraph:

    "The CONTRACTOR's responsibility is defined in Tab 11, Exhibit A. Generally, the demarcation between CONTRACTOR and COMMISSION responsibility will be the switch at the rack, wall mount or NEMA cabinet. The terminations at the panel are the CONTRACTORS responsibility as well as any diagnostic testing via the Genetec software. All Headend Equipment, including the access control panels and associated power supplies as noted in Tab 11 Exhibit A are the responsibility of the CONTRACTOR."

13. RFP Tab 2, Section 7.28

    Replace this section with the following:

    "The required work specified in this RFP does not require working within active traffic and will not require MPT. If additional work is added by purchase order under Unforeseen Work Allowance that does require work within active traffic, the requirements below will apply to the CONTRACTOR for that work and shall be included in the price negotiated for that work."

14. RFP Tab 2

    Add the following Section 7.30:

    "**7.30 FUTURE PROJECTS**

    The ESS will also include the four (4) Future Projects listed below with estimated completion dates. These Future Projects are being completed by others; but and once accepted by the COMMISSION, the CONTRACTOR shall provide maintenance services for all associated Headend Equipment as noted in Future Projects Hardware portion of Tab 11, Exhibit A. The PROPOSER shall include pricing associated with maintaining the Headend Equipment linked to

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Future Projects based on the estimated completion dates. If the actual completion date differs from the estimated completion date, the pricing will be adjusted proportionally.

1. Langhorne Maintenance Building (**Estimated Completion Date: September 30, 2023**)

   Construction of a new vehicle maintenance and office facility to include a salt storage building located at 1010 Woodburn Road in Langhorne, PA. ESS systems / hardware will include, but not limited to, Headend Equipment, cameras (fixed and pan-tilt-zoom), access control panels, electronic all-in-one locksets, wireless access control locks, wireless hubs, motion detectors (passive infrared sensors), local area network, infrastructure and associated equipment/devices.

2. Trenton-Morrisville Toll Bridge - Operations Building (**Estimated Completion Date: August 31, 2024**)

   Demolition of the existing administration building and construction of a new operations building. ESS systems / hardware in the Southern Operations building will include, but not limited to, Headend Equipment, cameras (fixed and pan-tilt-zoom), access control panels, electronic all-in-one locksets, wireless access control locks, wireless hubs, intercoms, local area network, infrastructure and associated equipment/devices.

   Concurrent with the commissioning of Headend Equipment associated with this Future Project, the Headend Equipment associated with the Trenton-Morrisville Toll Bridge as noted in the Existing Hardware portion of Tab 11, Exhibit A and will no longer need to be maintained.

3. Trenton-Morrisville Toll Bridge - Primary Control Center (**Estimated Completion Date: August 31, 2024**)

   Construction of a new ESS control center in the new Trenton-Morrisville Operations Building. ESS systems / hardware will include, but not limited to, Headend Equipment, workstations, video wall monitors, desktop console monitors, intercoms, badge printer, local area network, infrastructure and associated equipment/devices.

4. Trenton-Morrisville Toll Bridge - Vehicle Storage (**Estimated Completion Date: September 30, 2024**)

   Demolition of the existing garage building and construction of a new vehicle storage facility adjacent to the Trenton-Morrisville Operations Building. ESS systems / hardware will include, but not limited to, Headend Equipment, cameras (fixed and pan-tilt-zoom), ACS equipment, wireless access control hubs, wireless access control locks, motion detectors (passive infrared sensors), glass break detectors, intercom, local area network, infrastructure and associated equipment / devices."

C. Modifications to TAB 3: EVALUATION CRITERIA

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1.   No changes.

D. Modifications to TAB 4: PRICE PROPOSAL INSTRUCTIONS

1.   RFP Tab 4, Section 3

Replace this section with the following:

"3.   COMPLETION OF THE MAINTENANCE SERVICES SUMMARY SHEETS 2A, 2B, 2C

3.1   The PROPOSER shall complete all sheets for all costs associated with the maintenance services as described in Tab 2, Section 7.0. The costs shall also include without limitation, all equipment, supplies, parts and materials, overhead, burden, profit, taxes, duties, fees, permits, licenses, warranties and other items necessary to meet the CONTRACTOR's contractual requirements. No price escalation will be allowed above the costs provided on the Price Proposal Forms to complete the Work.

3.2   For Item #1, the PROPOSER shall provide the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for the ESS Genetec workstations noted in Tab 11 Exhibit A. The price is to include, but not limited to, software for ESS Client workstations noted in Tab 2, Section 7.14.

3.3   For Item #2, the PROPOSER shall provide the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for the Video Management System (VMS) equipment noted in Tab 11 Exhibit A. This price is to include, but not limited to, network switches, monitors, servers, convertors, modules and recording equipment.

3.4   For Item #3, the PROPOSER shall provide the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for the Access Control System (ACS) equipment noted in Tab 11 Exhibit A. This price is to include, but not limited to, access control panels as well as associated controllers, boards, power supplies and battery backup.

3.5   For Item #4, the PROPOSER shall provide the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for the Video Analytics (VA) System equipment noted in Tab 11 Exhibit A. This price is to include, but not limited to, video analytics server and associated software.

3.6   For Item #5, the PROPOSER shall provide the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for the two Video Wall System equipment noted in Tab 11 Exhibit A. This price is to include, but not limited to, the associated servers, controllers, processors, matrixes and software.

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3.7   For Item #6, the PROPOSER shall provide the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for the Active Directory (AD) services equipment noted in Tab 11 Exhibit A. This price is to include, but not limited to, the active directory servers and associated software.

3.8   For Item #7, the PROPOSER shall provide the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for all other ESS equipment noted in Tab 11 Exhibit A. This price is to include, but no limited to, miscellaneous equipment such as UPS, AC Units, transformers, LPG stationary tank monitors and sensors.

3.9   For Item #8, the PROPOSER shall provide the Total Contract Price for all reoccurring costs required to comply with Tab 2, Section 2.2 for the Endpoint Security Protection. This price is to include, but not limited to, the ESS Genetec workstations noted in Tab 11 Exhibit A; ESS Client workstations noted in Tab 2 Section 2.2; and CONTRACTOR supplied laptops, tablets and any other network devices used to connect to the ESS.

3.10   For Items #9, #10, #11 and #12 of Sheet 2A, the PROPOSER shall provide the Total Contract Price for all maintenance services required for the Future Projects as noted in Tab 2, Section 7.30 and based on the estimated completion dates. The PROPOSER shall assume all Future Projects are completed within years 1 to 3 and factor the Total Contract Price for all maintenance service for the same into pricing for optional year 4 and 5.

         If the actual completion date for a particular Future Project differs from the estimated completion date, the Total Contract Price for said Future Project will be proportionally increased/decreased reflecting the difference.

3.11   All items on Sheet 2A will be totaled to provide a Total Maintenance Cost of the ESS System for Years 1 thru 3.

         Pricing for Item #10 is anticipated to reflect the fact that the Headend Equipment associated with the Trenton-Morrisville Toll Bridge as noted in the Existing Hardware portion of Tab 11, Exhibit A will no longer need to be maintained.

3.12   All items on Sheet 2B will be totaled to provide a Total Maintenance Cost of the ESS System for Optional Year 4.

3.13   All items on Sheet 2C will be totaled to provide a Total Maintenance Cost of the ESS System for Optional Year 5."

E. Modifications to TAB 5: AGREEMENT

1.   RFP Tab 5, Article 3, Section 3.02, Paragraph A

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Delete table titled **Repair Time Requirements and Liquidated Damages Schedule** and replace with the following table:

Repair Time Requirements and Liquidated Damages Schedule		
Category	**Repair Time**	**Damages/Hour**
Hardware/Software Emergency Failure	8 hours	$125.00
Hardware/Software Critical Failure	24 hours	$100.00
Semi-Critical Failure	48 hours	$100.00
Non-Critical Failure	72 hours	$25.00

F. Modifications to TAB 6: GENERAL CONDITIONS

1. RFP Tab 6, Article 6.16

Add the following sentence:

"The requirement for the safety representative to be on Site can be waived provided the safety precautions noted in Tab 6, Article 6.15 are fulfilled."

G. Modifications to TAB 7: SUPPLEMENTARY CONDITIONS

1. RFP Tab 7, Article 2

Add the following language to the end of the article:

"**Certified Payroll and Workforce Utilization**

The COMMISSION uses a certified payroll and workforce utilization system as a tool for CONTRACTORS and subcontractors/subconsultants to document and upload their prevailing wage rates/certified payrolls for workforce utilization compliance.

CONTRACTORS and subcontractors/subconsultants are required to upload their weekly certified payrolls into the certified payroll and workforce utilization system and to submit a hard copy to the COMMISSION."

H. Modifications to TAB 8: PROPOSAL FORMS

1. Price Proposal Form Tab 8-16, Sheet 1, Price Summary

Replace with Sheet 1 included herein with this Addendum No. 3

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2. Price Proposal Form Tab 8-16, Sheet 2A, Maintenance Services (Years 1, 2 and 3)

    Replace with Sheet 2A included herein with this Addendum No. 3

3. Price Proposal Form Tab 8-16, Sheet 2B, Maintenance Services (Optional Year 4)

    Replace with Sheet 2B included herein with this Addendum No. 3

4. Price Proposal Form Tab 8-16, Sheet 2C, Maintenance Services (Optional Year 5)

    Replace with Sheet 2C included herein with this Addendum No. 3

5. Price Proposal Form Tab 8-16, Sheet 5, Unit Pricing Summary

    Replace with Sheet 3 included herein with this Addendum No. 3

I. Modifications to TAB 9: PREVAILING WAGE RATES

1. No changes.

J. Modifications to TAB 10: IMPLEMENTATION REQUIREMENTS

1. No changes.

K. Modifications to TAB 11: EXHIBITS

1. RFP Tab 11

    Replace with Tab 11 included herein with this Addendum No. 3

L. Responses to Inquires Discussed at April 11, 2023 Pre-Proposal Conference

1. **Inquiry**: Who is responsible for maintaining HVAC equipment.

    Response: The CONTRACTOR is responsible for maintaining HVAC equipment related to outdoor NEMA enclosures (Refer to Tab 2, Defined Terms, Headend Equipment and modifications to the same contained herein this Addendum No. 3) whereas the COMMISSION is responsible for maintaining HVAC equipment supporting IT type spaces located within the COMMISSION's building facilities.

2. **Inquiry**: Can the MS Excel file for the Price Proposal Forms be provided for use by PROPOSERS in preparing their Price Proposal.

    Response: The MS Excel file will be posted on the COMMISSION's website.

M. Responses to Inquiries Submitted as of April 18, 2023

1. **Inquiry**: Can the submission date for the technical and price proposals be extended beyond the May 4th submission deadline?

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Response: Addendum No. 2 revised the Proposal Due Date to be May 11, 2023.

2. **Inquiry**: Does the current system have both the Respond module (for real-time analytics) and Review module (for post-event analytics) currently fully operation?

    Response: The ESS has both Briefcam INSIGHTS with REVIEW module having 550 camera licenses and RESPOND module having 10 camera licenses (Refer to Tab 2, Section 1.2.1, Item 5 and modifications to the same contained herein this Addendum No. 3).

3. **Inquiry**: How many total licenses is the Commission expecting the integrator to cover under the endpoint security solution?

    ➢ What is the total server count?
    ➢ What is the total workstation count?
    ➢ What is the total personal computer client count?
    ➢ Is there an expectation for expansion coverage?

    Response: The number of workstations for Endpoint Detection and Response (EDR) is noted in Tab 2, Section 2.2. The CONTRACTOR is also required to have EDR on their laptops used to connect to the ESS network (Refer to Tab 2, Section 2.2 and modifications to the same contained herein this Addendum No. 3). Expansion is possible in the future for which PROPOSERS are to provide "per license" type unit pricing (Refer to Tab 8-16, Sheet 3, Unit Pricing Summary and modifications to the same contained herein this Addendum No. 3), At this time, EDR is not required for servers.

4. **Inquiry**: Please clarify if it is the Commission's expectation that the Commission has the right to ask the integrator for use of their diagnostic tools at any time, ie: fiber testing tool, etc. If the integrator's diagnostic tool is damaged under the Commission's care, how will the integrator be compensated?

    Response: The COMMISSION shall have full rights for the use of the CONTRACTOR's diagnostic software (Refer to Tab 2, Section 4 and modifications to the same contained herein this Addendum No. 3) and will not be using the CONTRACTOR's physical tools.

5. **Inquiry**: Does the Commission mean intrusion detection field devices (glassbreak detectors, door contacts, passive infrared motion sensors)? If not field devices, what devices are you intending the integrator to clean periodically?

    Response: The CONTRACTOR is not required to periodically clean intrusion detection devices (Refer to Tab 2, Section 7.7, Item 10 and modifications to the same contained herein this Addendum No. 3).

6. **Inquiry**: Since the bench test simulator does not currently exist, what is the Commission's requirement for a bench test simulator?

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Response: The RFP has been modified to replace the requirement for a Bench Test Simulator with a requirement by where CONTRACTOR is responsible for verifying any issues prior to site deployment. CONTRACTOR is responsible for applying systems engineering approach to any upgrades prior to deploying any hardware or software update to ensure there any no unintended consequences (Refer to Tab 2, Section 7.9 and modifications to the same contained herein this Addendum No. 3).

7.   **Inquiry**: How old are the existing servers?

Response: The exact age of servers is not available. Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3 includes make and model type information which can be used to determine the approximate age of existing hardware.

8.   **Inquiry**: How will the contractor proceed as it pertains to replacing any outdated server hardware, so that the current software platform can be upgraded?

Response: As noted in Tab 2, Section 7.14 and modifications to the same contained herein this Addendum No. 3, the CONTRACTOR shall maintain current system software. If system hardware is outdated and not supported for firmware upgrades, the COMMISSION may consider replacing the same as Unforeseen Work (Refer to Tab 2, Section 7.29); however, the presence of outdated system hardware does not relieve the CONTRACTOR of its responsibilities to maintain the ESS in its current operational state. The CONTRACTOR is to provide timely information regarding end-of-life (EOL) and end-of-service-life (EOSL) for system hardware and software as noted in Tab 2, Section 7.20, Item 1.b.

9.   **Inquiry**: Can you please provide additional, more specific, information regarding some of the equipment types you are asking for on the Unit Pricing Sheet?

➢ Item A 1: Network Switch – How many ports? Managed/unmanaged? What layer? What make/model do you want used?
➢ Item A 5: Ethernet Copper Patch Panel – How many ports?
➢ Item A 6: Fiber Optic Patch Panel – How many ports?
➢ Item B 1: Fixed Camera – What make/model of the camera do you want used?
➢ Item B 2: PTZ Camera – What make/model of the camera do you want used?
➢ Item B 3: IR Camera – What make/model of the camera do you want used?
➢ Item B 4: Thermal Camera – What make/model of the camera do you want used?
➢ Item C 5: Card Reader – What make/model of the camera do you want used?
➢ Item C 8: Electric Lock with integral rex (Panic Bar) – What make/model of the camera do you want used?
➢ Item C 9: Electric Lock – What make/model of the camera do you want used?
➢ Item C 10: Aperio Wireless Lock - What make/model of the camera do you want used?

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➤ Item C 11: Harmony Series Integrated Wiegand Lock – What make/model of the camera do you want used?
➤ Item C 12: Magnetic Lock – What make/model of the camera do you want used?
➤ Item C 13: Motion Detector – What make/model of the camera do you want used?
➤ Item C 14: Horn/Strobe – What make/model of the camera do you want used?
➤ Item C 18: Badge Printer – What make/model of the camera do you want used?
➤ Item C 20: Security ID Cards – What make/model of the camera do you want used?
➤ Item D 1: KVM Switch (including cables) – What make/model of the camera do you want used?
➤ Item D 3: 6000 VA UPS – What make/model of the camera do you want used?
➤ Item D 4: 5000 VA UPS – What make/model of the camera do you want used?
➤ Item D 5: Power Distribution Unit for UPS – What make/model of the camera do you want used?

Response: The list of items for which PROPOSERS are to provide unit pricing has been revised (Refer to Tab 8-16, Sheet 3, Unit Pricing Summary and modifications to the same contained herein this Addendum No. 3).

10. **Inquiry**: The Video Wall processor is a custom piece of equipment, designed specifically for the SCC/PCC. If that unit fails, what is the expectation around repair/replacement as it pertains to liquidated damages?

Response: The CONTRACTOR shall provide the resources necessary to maintain video wall type Headend Equipment in accordance with the Repair Time Requirements and Liquidated Damages Schedule table (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3).

11. **Inquiry**: Is the Tab 10 Implementation Requirements section to make the winning integrator aware of the expectation for any future expansion/installation work?

Response: If the CONTRACTOR is requested to provide additional services not covered by the Contract Documents such as future expansion/installation work, Tab 10 will provide the basis of expectations.

12. **Inquiry**: How many briefcam licenses are there and is there a license key number you can share to ensure we get ongoing maintenance costs sorted?

Response: The REVIEW module of Briefcam's INSIGHTS platform includes use of 550 camera licenses; whereas, the RESPOND module of Briefcam's INSIGHTS platform includes 10 camera licenses (Refer to Tab 2, Section 1.2.1, Item 5 and modifications to the same contained herein this Addendum No. 3). Any license key will be provided to the successful PROPOSER.

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13. **Inquiry**: Can you confirm brand and quantity of Active Shooter devices and how they tie into Genetec? We did not see any licensing that seemed to be tied to this area?

    Response: The ESS currently includes an Active Shooter type Service License Agreement; however, no devices have been configured or deployed in support of the same.

14. **Inquiry**: We noticed that the commission has a McAfee server, which is considered an EDR. Is the main driver for asking for a next gen EDR that the commission would like to have external, 24/365 monitoring and alerting for the EDR, or are there other key drivers?

    Response: Tab 2, Section 2.2 defines the requirements for the EDR and the services required. The COMMISSION is not currently looking to have external, 24/365 monitoring and alerting.

15. **Inquiry**: For Clarity, can you confirm, to the extent the commission has this information, all the vendors that have active, paid, maintenance agreements through your current NVMS contractor. For example, Genetec, Briefcam, Cisco, Activu?

    Response: The existing ESS is detailed in Tab 2, Section 1.2 and the CONTRACTOR's hardware and software responsibilities are defined in Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3.

16. **Inquiry**: Is the WAN diagram just for reference or is that tied to the inventory in the pages above. If so, the quantities do not line up with the inventory breakdown. There are 20 parts lists but 23 sites as per the WAN diagram.

    Response: The ESS currently consists of twenty-one (21) wide area network (WAN) sites with a 22nd site, Langhorne Maintenance Building, identified as a new site to be added as part of a Future Project (Refer to Tab 11, Exhibit B DRJTBC ESS Overall System Riser and modifications to the same contained herein this Addendum No. 3). The Hardware/Software Inventory lists have been modified to correspond to the wide area network (WAN) sites and expanded to include lists for each of the four (4) Future Projects (Refer to Tab 11, Exhibit A Hardware/Software Inventory and modifications to the same contained herein this Addendum No. 3).

17. **Inquiry**: Who is responsible to troubleshoot technical issues from end point to end point?

    Response: The intent is for COMMISSION staff to receive notification of system issues and trace the issue from the edge device back toward the Headend Equipment. If the fault is found and corrected within the area of COMMISSION responsibility, the CONTRACTOR will not be called. If the fault is perceived to be within the Headend Equipment, then the CONTRACTOR would be called.

18. **Inquiry**: Who is expected to maintain the network infrastructure?

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Response: The RFP and modifications to the same contained herein this Addendum No. 3 provides details regarding the demarcation between CONTRACTOR and COMMISSION responsibilities.

19. **Inquiry**: What systems and what material will we need to provide for emergency stock?

    Response: The CONTRACTOR should be guided by the Repair Time Requirements and Liquidated Damages Schedule (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3) in its determination of SLA's together with spares parts required to sustain day-to-day operation and Maintenance of the ESS for the initial three (3) year Maintenance period, and any Maintenance period subsequently assigned (Refer to Tab 2, Section 7.8).

20. **Inquiry**: What existing integrations exist today between systems?

    Response: Tab 2, Section 1.2 provides information about the existing ESS and depicts the existing integrations.

21. **Inquiry**: Who is the consultant we are working with?

    Response: The CONTRACTOR is responsible for identifying the need for and selection of a consultant(s) with whom they will engage via subconsultant agreement(s) for the purpose of performing the Work. Further, the CONTRACTOR shall coordinate its performance of the Work with the COMMISSION's REPRESENTATIVE as defined in Tab 6.

    The COMMISSION may independently engage consultants to support its efforts; however, no such consultant is currently supporting on-going NVMS efforts.

22. **Inquiry**: Are there microwave links that are part of the WAN scope of maintenance and projects?

    Response: The COMMISSION is not aware of the wide area network (WAN), as provided by Comcast, having any microwave links. Further, the CONTRACTOR is not responsible for maintenance of the WAN.

23. **Inquiry**: Are there cellular links that are part of the scope of maintenance and projects?

    Response: The scope of maintenance and projects is as defined in the RFP and do not include cellular links.

24. **Inquiry**: How many head ends are part of the Commission's ESS and where are they located?

    Response: The ESS currently consists of twenty-one (21) wide area network (WAN) sites with a 22nd site, Langhorne Maintenance Building, identified as a new site to be added as part of a Future Project (Refer to Tab 11, Exhibit B DRJTBC ESS Overall System Riser and modifications to the same contained herein this Addendum No. 3). Each site includes its own

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inventory of Headend Equipment (Refer to Tab 11, Exhibit A Hardware/Software Inventory and modifications to the same contained herein this Addendum No. 3).

25. **Inquiry**: How many video walls are part of the Commission's ESS, what types, and where are they located?

    Response: The ESS includes three (3) video walls involving Activu and Vuwall solutions as further detailed in the RFP (Refer to Tab 11, Exhibit A Hardware/Software Inventory and modifications to the same contained herein this Addendum No. 3). Locations include Primary Control Center (PCC) @ NJSP ROIC, New Hope-Lambertville Toll Bridge and Trenton-Morrisville Toll Bridge.

26. **Inquiry**: Who maintains the active directory for Genetec log ins?

    Response: Maintenance of all active directories and failover directories is the CONTRACTOR's responsibility (Refer to Tab 11, Exhibit A Hardware/Software Inventory and modifications to the same contained herein this Addendum No. 3).

27. **Inquiry**: Who is expected to maintain the asset management system (IBM Maximo)?

    Response: The COMMISSION will manage the asset management system, IBM Maximo. The CONTRACTOR shall use the IBM Maximo as defined in Tab 2, Section 7.23.

28. **Inquiry**: Who is expected to maintain the computer aided dispatch system (Motorola)?

    Response: The COMMISSION will maintain the Motorola computer aided dispatch (CAD) system; however, the CONTRACTOR is responsible for maintaining integration of the CAD with the video wall.

29. **Inquiry**: Who provides the head end server / PC hardware?

    Response: If Headend Equipment type hardware needs to be replaced to maintain the ESS in its current operational state, the CONTRACTOR is required to provide the same.

30. **Inquiry**: Who will provide a list of the 4 categories of equipment?

    Response: Tab 2, Section 7.17 describes the four (4) types of failure categories based on the severity and impact of each failure. These categories are not equipment based, but failure based; and each failure will be assigned a category by the COMMISSION.

31. **Inquiry**: How many devices and integrations are tied to the IBM Maximo asset tracking system?

    Response: The COMMISSION will manage the asset management system, IBM Maximo. The CONTRACTOR shall use the IBM Maximo as defined in Tab 2, Section 7.23.

32. **Inquiry**: Does each location have its own site safety training requirements?

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Response: The CONTRACTOR is responsible to develop a Health and Safety Plan for this Project and for maintaining, monitoring, and enforcing full compliance (Refer to Tab 7, Article 24).

33. **Inquiry**: Who is responsible for Windows Operation updates on server/PC hardware?

    Response: The CONTRACTOR is responsible for server and workstation updates as noted in Tab 2, Section 7.14 and modifications to the same contained herein this Addendum No. 3.

34. **Inquiry**: Will a shared spread sheet CO log suffice for a change control system?

    Response: No.

35. **Inquiry**: Who provides and maintains the required DBS for the server/PC hardware?

    Response: We are unable to respond to this inquiry as the term DBS is not used anywhere in the RFP.

36. **Inquiry**: Who is responsible to provide virus protection on all server/PC hardware?

    Response: The CONTRACTOR shall provide virus protection as a component of Network Protection as defined in Tab 2, Section 7.16. Additionally, the CONTRACTOR shall provide Endpoint Security Protection for the ESS network as defined in Tab 2, Section 2.2.

37. **Inquiry**: Do we know what the legal requirements / liability of maintaining an ESS are?

    Response: The CONTRACTOR is responsible for determining the legal requirements / liabilities of their work.

38. **Inquiry**: Need clarification on what a bench test simulator is?

    Response: The requirements relating to a bench test simulator have been replaced with requirements for a system engineering approach to any upgrades prior to deploying any hardware or software update to ensure there are no unintended consequences (Refer to Tab 2, Section 7.9 and modifications to the same contained herein this Addendum No. 3).

39. **Inquiry**: Is SNMP currently used? Where is it being monitored? Do we need to provide SNMP receiver?

    Response: As noted in Tab 2, Section 7.16.1 and Tab 11, Exhibit A, SNMP is currently used on the ESS to monitor devices using Solarwinds NMS tool. The CONTRACTOR is not required to provide SNMP receiver but is require to maintain and monitor the network using NMS tools.

40. **Inquiry**: Tab 2, Section 7.19.B.8 requires maintenance of the test environment. Do they currently have one?

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Response: The COMMISSION does not currently have a test environment. The CONTRACTOR is responsible for verifying any issues prior to site deployment. CONTRACTOR is responsible for applying a systems engineering approach to any upgrades prior to deploying any hardware or software update to ensure there are no unintended consequences (Refer to Tab 2, Section 7.9 and modifications to the same contained herein this Addendum No. 3).

41. **Inquiry**: Can the "Sample Insurance Broker/Agent Letter" be signed by Proposer's Risk Management Manager?

    Response: The Sample Insurance Broker/Agent Letter may be signed by the PROPOSER's internal risk manager provided the general intent of the letter, confirming the PROPOSER's ability to secure placement of all insurance requirements as outlined in the Insurance Requirements (Refer to Tab 6, Article 5.02) and Indemnification requirements (Refer to Tab 6, Article 6.23), is maintained.

42. **Inquiry**: Can you please provide an excel spreadsheet of part numbers and detailed device types for the unit pricing request and price form request for overall maintenance?

    Response: The MS Excel file will be posted on the COMMISSION's website. The list of items for which PROPOSERS are to provide unit pricing has been revised (Refer to Tab 8-16, Sheet 3, Unit Pricing Summary and modifications to the same contained herein this Addendum No. 3).

43. **Inquiry**: Can you provide system numbers for all head end systems that the integrator is responsible for maintaining software support, this info is required to get quotation?

    Response: The RFP provides detailed information for Headend Equipment (Refer to Tab 2, Section 1.2 and Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3).

44. **Inquiry**: Once RFI questions are answered can we request more time as we will need to process how we will proceed based on the answers?

    Response: Addendum No. 2 revised the Proposal Due Date to be May 11, 2023.

45. **Inquiry**: Is there a current disaster recovery plan in place? If so, what are integrator's responsibilities?

    Response: The term Disaster Recovery Plan is deleted from the RFP (Refer to Tab 2, Defined Terms and modifications to the same contained herein this Addendum No. 3). Disaster recovery type elements are defined in Tab 2, Section 7.20 and Tab 2, Section 7.25.

46. **Inquiry**: If there is no disaster recovery plan, what are the expectations of the integrator in said plan?

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Response: The term Disaster Recovery Plan is deleted from the RFP (Refer to Tab 2, Defined Terms and modifications to the same contained herein this Addendum No. 3). Disaster recovery type elements are defined in Tab 2, Section 7.20 and Tab 2, Section 7.25.

47. **Inquiry**: Is there an existing SNMP trap? If so, have end point devices been pointed at said SNMP trap server?

   Response: As noted in Tab 2, Section 7.16.1 and Tab 11, Exhibit A, SNMP is currently used on the ESS to monitor devices using Solarwinds NMS tool.

48. **Inquiry**: If there is no SNMP server trap, is it a requirement as part of the end point protection plan?

   Response: There is an existing SNMP trap currently used on the ESS to monitor devices using Solarwinds NMS tool. Endpoint protection will have to be provided by the CONTRACTOR as required per Tab 02 Section 2.2.

49. **Inquiry**: Are there current devices monitoring HVAC environments at Headend and rack locations?

   Response: There are temperature type monitoring devices and are configured into Genetec.

50. **Inquiry**: Who is responsible for monitoring HVAC field devices?

   Response: The CONTRACTOR will be required to received email notifications and respond accordingly to temperature type alarm events resulting from or effecting Headend Equipment (Refer to Tab 2, Defined Terms and modifications to the same contained herein this Addendum No. 3).

51. **Inquiry**: Is it the commissions responsibility to monitor all devices, then call-in service issues?

   Response: The intent is for COMMISSION staff to receive notification of system issues and trace the issue from the edge device back toward the Headend Equipment. If the fault is found and corrected within the area of COMMISSION responsibility, the CONTRACTOR will not be called. If the fault is perceived to be within the Headend Equipment, then the CONTRACTOR would be called; however, the absence of a call does not relieve the CONTRACTOR of its responsibilities to provide preventative and corrective maintenance for all Headend Equipment.

52. **Inquiry**: With new and upcoming projects, under the service agreement is it required to provide full replacement of parts that are currently not existing and unknown? If yes, please provide list of parts and services?

   Response: The ESS will also include four (4) Future Projects identified herein this Addendum No. 3 with estimated completion dates (Refer to Tab 2, Section 7.30). These Future Projects are being completed by others; but and once accepted by the COMMISSION, the CONTRACTOR

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shall provide maintenance services for all associated Headend Equipment as noted in Future Projects Hardware portion of Tab 11, Exhibit A (Refer to Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3). The PROPOSER shall include pricing associated with maintaining the Headend Equipment linked to Future Projects based on the estimated completion dates. If the actual completion date differs from the estimated completion date, the pricing will be adjusted proportionally.

53. **Inquiry**: Who is responsible for maintaining and upgrading the Software for the Microsoft Active Directory?

    Response: All active directories and failover directories are the CONTRACTOR's responsibility as detailed in Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3.

54. **Inquiry**: Who is responsible for maintaining and upgrading the hardware for the Microsoft Active Directory?

    Response: The CONTRACTOR is responsible for maintaining the Microsoft 2013 Active Directory as listed in Tab 11, Exhibit A including Future Projects identified herein this Addendum No. 3. The CONTRACTOR may be required to upgrade hardware in accordance with Unforeseen Work (Refer to Tab 2, Section 7.29).

55. **Inquiry**: Are all toll NEMA Enclosers the Same? If Different provide differences?

    Response: The outdoor NEMA enclosures located at the COMMISSION's toll-supported bridge sites are similar; however, there are differences in the Headend Equipment contained in each (Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3).

56. **Inquiry**: Does any work at any Headend equipment require lane closures, and who is responsible for lane closures?

    Response: Maintenance of Headend Equipment is not anticipated to require lane closures. If and when Maintenance and Protection of Traffic (MPT) is required, the CONTRACTOR will be reimbursed for costs associated with providing the same via. the Unforeseen Work Allowance (Refer to Tab 2, Section 7.28 and modifications to the same contained herein this Addendum No. 3 as well as Tab 2, Section 7.29 and modifications to the same contained in Addendum No. 1).

57. **Inquiry**: Are liquidated damages and response times negotiable?

    Response: Liquidated Damages and Response Times as noted in the RFP shall be assumed for the development of proposals. As part of the pre-award negotiations, the COMMISSION will entertain the concept of discussing these requirements but no relief from these terms should be assumed.

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58. **Inquiry**: Are Genetec upgrades and all device verification, i.e., bench testing of field devices and workstations as part of software upgrades to be included as part of the software Maintenance agreement?

    Response: The CONTRACTOR is required to provide Genetec upgrades as noted in Tab 2, Section 7.14 and modifications to the same contained herein this Addendum No. 3. The requirements relating to a bench testing have been replaced with requirements for a system engineering approach to any upgrades prior to deploying any hardware or software update to ensure there are no unintended consequences (Refer to Tab 2, Section 7.9 and modifications to the same contained herein this Addendum No. 3).

59. **Inquiry**: Define the role of the Task Manager?

    Response: References to key personnel in Tab 3 use broad descriptions. PROPOSERS are to identify and define the specific staff they propose for the work as per Tab 1, Section 23.

60. **Inquiry**: Please provide location where NVMS On-site Systems tech will be assigned to?

    Response: A workstation will be provided as a base of operations at the I-78 Toll Bridge facility.

61. **Inquiry**: Is the proposer responsible to preform service or must maintain Devices outside of the headend equipment?

    Response: Generally, the demarcation between CONTRACTOR and COMMISSION responsibility will be the switch at the rack, wall mount or NEMA cabinet. The terminations at the panel are the CONTRACTORS responsibility as well as any diagnostic testing via the Genetec software. All Headend Equipment, including the access control panels and associated power supplies, as noted in Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3, are the responsibility of the CONTRACTOR.

62. **Inquiry**: Is the proposer responsible to preform service or must maintain propane tanks or propane monitoring?

    Response: The CONTRACTOR is not required to service or maintain the propane tanks or propane monitoring; however, the LPG (propane) stationary tank monitor is included as part of the Headend Equipment to be maintained by the CONTRACTOR (Refer to Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3).

63. **Inquiry**: Is the proposer responsible to preform service or must maintain Solar Equipment?

    Response: The CONTRACTOR is not responsible to service or maintain solar equipment.

64. **Inquiry**: Is the proposer responsible to preform service or must maintain Generators?

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Response: The CONTRACTOR is not responsible to service or maintain generators.

65. **Inquiry**: Is the proposer responsible to preform service or must maintain cabling?

    Response: The CONTRACTOR is not responsible to service or maintain cabling from the switch at the rack, wall mount or NEMA cabinet to end point devices.

66. **Inquiry**: Is the proposer responsible to preform service or must maintain any cellular or wireless communication devices? If yes, please define devices?

    Response: The CONTRACTOR is not responsible to service or maintain cellular or wireless communications devices.

67. **Inquiry**: Please Define headend equipment?

    Response: Headend Equipment (Refer to Tab 2, Defined Terms and modifications to the same contained herein this Addendum No. 3) is defined as all equipment and software necessary for the operations and management of the ESS located in racks and on walls within indoor and outdoor climate-controlled areas as defined in Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3. The Headend Equipment consists of servers, network recorders, network switches, routers, firewalls, access control panels, UPS, cable management, the ESS software(s), the ESS licenses etc. that are necessary to operate the ESS. Field devices such as cameras, card readers, door contacts, field wiring, patch panels, conduits, etc. are not considered as Headend Equipment. This item includes HVAC equipment related to outdoor NEMA enclosures.

68. **Inquiry**: Please provide amount and Types of API's on Genetec Systems?

    Response: The CONTRACTOR is required to maintain all software noted in Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3.

69. **Inquiry**: Is the proposer responsible for maintaining current firewalls?

    Response: The CONTRACTOR is responsible for maintaining the current firewalls identified in Tab 11, Exhibit A together with Tab 11, Exhibit B and modifications to the same contained herein this Addendum No. 3.

70. **Inquiry**: Will the Commission give remote access for service troubleshooting or does all service need to be done on-site?

    Response: Remote access to the ESS via VPN will be allowed to provide initial diagnosis of system faults (Refer to Tab 2, Section 4). Installation, maintenance and access costs are the responsibility of the CONTRACTOR and remote access does not relieve the CONTRACTOR of the required response and repair time requirements set forth in the RFP (Refer to Tab 5, Article

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3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3).

71. **Inquiry**: Is the October 1st Maintenance Start date negotiable?

    Response: The COMMISSION does not anticipate revisions to the milestone start dates for maintenance services.

72. **Inquiry**: Please confirm that all required lane closures and work outside of headend equipment is excluded from this RFP?

    Response: Maintenance of Headend Equipment is not anticipated to require lane closures. If and when Maintenance and Protection of Traffic (MPT) is required, the CONTRACTOR will be reimbursed for costs associated with providing the same via. the Unforeseen Work Allowance (Refer to Tab 2, Section 7.29 and modifications to the same contained in Addendum No. 1).

73. **Inquiry**: Under repair time requirements please define PCC/Hardware/Software Emergency Failure systems and devices?

    Response: The category "PCC/Hardware/Software Emergency Failure" appearing in the Repair Time Requirements and Liquidated Damages Schedule has been revised to be "Hardware/Software Emergency Failure" (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3).

    Tab 2, Section 7.17, Item 1 defines Hardware/Software Emergency Failure as any essential equipment, hardware, or software failure that renders the ESS or any subsystem ineffective. This category primarily concerns without limitations, the failure of the Primary Control Center, Secondary Control Center, and/or essential components thereof, multiple video and/or access control device failures that threaten the security of the COMMISSION and/or substantially inhibits the daily business operations of the COMMISSION.

74. **Inquiry**: Under repair time requirements please define Hardware/Software Critical Failure system and devices?

    Response: Tab 2, Section 7.17, Item 2 defines Hardware/Software Critical Failure as any equipment, hardware, or software failure that renders the ESS or any subsystem ineffective. If the failure affects multiple devices, this also will constitute a Hardware/Software Critical Failure. Examples include, without limitation: malfunctioning LAN, Access Control System, and damage to ESS infrastructure.

75. **Inquiry**: Under repair time requirements please define Hardware/Software Critical Failure Requiring Traffic Restrictions systems and devices?

    Response: The category "Hardware/Software Critical Failure Requiring Traffic Restrictions" appearing in the Repair Time Requirements and Liquidated Damages Schedule has been deleted

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(Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3).

76. **Inquiry**: Under repair time requirements please define WAN/Semi-Critical Failure systems and devices?

    Response: The category "WAN/Semi-Critical Failure" appearing in the Repair Time Requirements and Liquidated Damages Schedule has been revised to be "Semi-Critical Failure" (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3).

    Tab 2, Section 7.17, Item 3 defines Semi-Critical Failure as a failure of any equipment, hardware or software that renders a limited portion of the ESS or any subsystem ineffective.

77. **Inquiry**: Under repair time requirements please define Non-Critical Failure systems and devices?

    Response: Tab 2, Section 7.17, Item 4 defines Non-Critical Failure as any individual equipment, hardware, or software failure that does not affect the overall operation of the ESS. Examples include, without limitation: malfunctioning access control panel, network switch, or Control Center monitor.

78. **Inquiry**: Under repair time requirements please define Non-Critical Failure Requiring Traffic Restrictions systems and devices?

    Response: The category "Non-Critical Failure Requiring Traffic Restrictions" appearing in the Repair Time Requirements and Liquidated Damages Schedule has been deleted (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3).

79. **Inquiry**: If the 6-month imbedded tech which is addressed in section 6.1 is approved will that individual be used to respond to service issues and complete the work referenced in 2.1 or will this individual be strictly supporting daily commission initiatives?

    Response: Efforts of NVMS On-site Systems Technician are anticipated to be concentrated on supporting the COMMISSION as part of its transition to self-performing maintenance of end point devices for a period of 6 months.

80. **Inquiry**: How many locations have head end equipment which will require traffic control or lane closures in order to access the equipment?

    Response: Maintenance of Headend Equipment is not anticipated to require lane closures. If and when Maintenance and Protection of Traffic (MPT) is required, the CONTRACTOR will be reimbursed for costs associated with providing the same via. the Unforeseen Work Allowance (Refer to Tab 2, Section 7.28 and modifications to the same contained herein this Addendum

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No. 3 as well as Tab 2, Section 7.29 and modifications to the same contained in Addendum No. 1).

81. **Inquiry**: In what situations will the safety representative be required to be onsite? Is this every time a technician is performing any work?

    Response: The requirement for the safety representative to be on Site can be waived provided the safety precautions noted in Tab 6, Article 6.15 are fulfilled (Refer to Tab 6, Article 6.16 and modifications to the same contained herein this Addendum No. 3).

82. **Inquiry**: Over the last three years broken out per year what is the annual total of liquidated damages charged to the integrator responsible for this system?

    Response: Over the past three (3) years, the COMMISSION has not been required to use Liquidated Damages to achieve proper serviceability of the ESS.

83. **Inquiry**: How much does the Commission spend yearly on average on new Installation Projects?

    Response: The COMMISSION makes regular investments in the ESS including, but not limited to, new building facilities/additions, expanding camera coverage, hardware updates and technology enhancements.

84. **Inquiry**: Does Biweekly refer to twice a week or once every two weeks?

    Response: Done, produced, or occurring every two weeks.

85. **Inquiry**: Please confirm outdoor rated device temperature, conflicting temperatures noted?

    Response: Temperature requirements for server hardware is noted in Tab 2, Section 3.3.3; where as temperature requirements for outdoor equipment is noted in Tab 2, Section 2.3.5.

86. **Inquiry**: Who is expected to maintain the fiber links - tips included?

    Response: Generally, the demarcation between CONTRACTOR and COMMISSION responsibility will be the switch at the rack, wall mount or NEMA cabinet. The COMMISSION will maintain all fiber coming to the switch at the rack, wall mount or NEMA cabinet. All fiber electronics noted in Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3 are the responsibility of the CONTRACTOR.

87. **Inquiry**: How is contractor accommodating the 25% IBE participating requirement?

    Response: The COMMISSION encourages PROPOSERS to meet or exceed the twenty-five percent (25%) IBE participation target for COMMISSION contracts (Refer to Tab 7, Article 2).

88. **Inquiry**: Is there a list of end of life equipment that can be shared?

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Response: Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3 includes make and model type information which can be used to determine the approximate age of existing hardware.

89. **Inquiry**: Is the proposer responsible for maintaining new equipment that may be installed in the future (ex. new SOC in Trenton)?

    Response: The ESS will also include four (4) Future Projects identified herein this Addendum No. 3 with estimated completion dates (Refer to Tab 2, Section 7.30). These Future Projects are being completed by others; but and once accepted by the COMMISSION, the CONTRACTOR shall provide maintenance services for all associated Headend Equipment as noted in Future Projects Hardware portion of Tab 11, Exhibit A (Refer to Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3). The PROPOSER shall include pricing associated with maintaining the Headend Equipment linked to Future Projects based on the estimated completion dates. If the actual completion date differs from the estimated completion date, the pricing will be adjusted proportionally.

90. **Inquiry**: Is the proposer expected to proactivley monitor each piece of "headend" equipment and alert commission of outages?

    Response: The intent is for COMMISSION staff to receive notification of system issues and trace the issue from the edge device back toward the Headend Equipment. If the fault is found and corrected within the area of COMMISSION responsibility, the CONTRACTOR will not be called. If the fault is perceived to be within the Headend Equipment, then the CONTRACTOR would be called; however, the absence of a call does not relieve the CONTRACTOR of its responsibilities to provide preventative and corrective maintenance for all Headend Equipment.

91. **Inquiry**: Do liquidated damages cover equipment that has extreme lead times?

    Response: Extreme lead times for equipment does not override the Repair Time Requirements and Liquidated Damages Schedule (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3).

92. **Inquiry**: Do liquidated damages cover equipment that has a backup (ex. Genetec archiver failover server)?

    Response: The Repair Time Requirements and Liquidated Damages Schedule (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3) is linked to four (4) types of failure categories based on the severity and impact of each failure (Refer to Tab 2, Section 7.17). These categories are not equipment based, but failure based.

93. **Inquiry**: Who maintains the active directory server both software and hardware?

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Response: All servers, active directories and failover directories noted in Tab 11, Exhibit A and modifications to the same contained herein this Addendum No. 3 are the CONTRACTOR's responsibility.

94. **Inquiry**: Are server OS upgrades cover under this contract?

Response: The CONTRACTOR is responsible for server and workstation updates as noted in Tab 2, Section 7.14 and modifications to the same contained herein this Addendum No. 3.

95. **Inquiry**: How often are OS upgrades expected?

Response: Tab 2, Section 7.14 and modifications to the same contained herein this Addendum No. 3 stipulates the CONTRACTOR shall ensure software is maintained at a release level supported by the CONTRACTOR and as appropriate within two release levels of the most current release.

96. **Inquiry**: How often are Genetec upgrades expected to be done?

Response: Tab 2, Section 7.14 and modifications to the same contained herein this Addendum No. 3 stipulates the CONTRACTOR shall ensure software is maintained at a release level supported by the CONTRACTOR and as appropriate within two release levels of the most current release.

97. **Inquiry**: For the ESS workstations why is Maintenance pricing being asked Tab 8-16-2A? Please clarify.

Response: Maintenance pricing for ESS Workstations (i.e. Tab 8-16, Sheet 2A/2B/2C, Item #1) is intended to represent the Total Contract Price for all maintenance services required to comply with Tab 2, Section 7.0 for the ESS Genetec workstations noted in Tab 11 Exhibit A and software support for sixty-five (65) ESS Client workstations noted in Tab 2, Section 7.14 (Refer to Tab 4, Section 3, Item 3.2 and modifications to the same contained herein this Addendum No. 3).

In addition to clarifying the intent of maintenance pricing for ESS Workstations, Addendum No. 3 includes revised Price Proposal Forms (Refer to Tab 8-16 and modifications to the same contained herein this Addendum No. 3) and revised instructions for the completion of the Maintenance Services Sheets 2A, 2B and 2C (Refer to Tab 4, Section 3 and modifications to the same contained herein this Addendum No. 3). Revisions include, but are not limited to, the deletion of the following items due to the fact that some of their elements are outside the scope of the CONTRACTOR's responsibility and others are included as part of other items.

- SNMP, Email, Asset Management, and other Systems*
- HVAC and Electrical systems: Including, but not limited to, power supplies, battery, UPS, air conditioners, guages, etc.*

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- Local Area Networks (LANs)*

98. **Inquiry**: Can the 2 hour office location requirement be fulfilled by a Subcontractor of the Prime?

     Response: The CONTRACTOR must have an established, fully staffed office within a two (2) hour drive of the COMMISSION'S Administrative Building located in Yardley, Pennsylvania or be willing to establish an office in such area (Refer to Tab 1, Section 19.1 and modifications to the same contained in Addendum No. 1) and the term CONTRACTOR is defined to mean the firm, corporation, or entity undertaking the execution of the Work under the terms of the Agreement and with whom the COMMISSION has entered into the Agreement (Refer to Tab 1 Section 1.2).

     It is not expected that an office of a subcontractor will satisfy the requirements of the RFP. The intent of the provision is to ensure responsiveness to the requirements of the contract.

99. **Inquiry**: What backup software is currently in place, or do we have to provide?

     Response: The CONTRACTOR is responsible for backup of all critical data as stated in Tab 2, Section 7.7, Item 6. The ESS currently supports automated daily backup of Headend Equipment servers to an imaging type server located at the New Hope-Lambertville Toll Bridge using Microsoft software.

100. **Inquiry**: Regarding SLAs and the stated required repair times and damages per hour, what events, if any, are approved to stop the clock on an incident repair time (e.g. awaiting vendor or client response)?

     Response: The CONTRACTOR should be guided by the Repair Time Requirements and Liquidated Damages Schedule (Refer to Tab 5, Article 3, Section 3.02, Paragraph A and modifications to the same contained herein this Addendum No. 3) in its determination of SLA's together with spares parts required to sustain day-to-day operation and Maintenance of the ESS for the initial three (3) year Maintenance period, and any Maintenance period subsequently assigned (Refer to Tab 2, Section 7.8).

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		TAB 8-16 Sheet 1 Price Summary		
Item	**Sheet#**	**Description of Service**	**Total Cost ($)**	
1	2A	Total Maintenance Services - Years 1, 2 and 3	$	-
2	2B	Total Maintenance Services - Year 4 (Optional by the COMMISSION)	$	-
3	2C	Total Maintenance Services - Year 5 (Optional by the COMMISSION)	$	-
4	N/A	NVMS On-site Systems Technician (6-month term only)	$	-
5	N/A	Endpoint Security Protection (Supply & Install)	$	-
6	N/A	Unforseen Work Allowance	$	600,000.00
		TOTAL CONTRACT PRICE (Total Items 1,2,3,4,5 & 6)	**$**	-

Officer Signature   **Date**

Typed Name, Title, Address and Phone Number

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TAB 8-16 Sheet 2A Maintenance Services (Years 1, 2 and 3)		
Item #	**Description**	**Total Cost**
1	ESS Workstations*	$ -
2	Video Management System (VMS)*	$ -
3	Access Control System (ACS)*	$ -
4	Video Analytics (VA) System*	$ -
5	Video Wall System*	$ -
6	Active Directory (AD) Services*	$ -
7	All other ESS components.*	$ -
8	Endpoint Security Protection	$ -
	FUTURE PROJECTS	
9	Langhorne Maintenance Building*	$ -
10	Trenton-Morrisville Operations Building*	$ -
11	Primary Control Center (PCC) Installation*	$ -
12	Trenton-Morrisville Vehicle Storage*	$ -
	TOTAL MAINTENANCE COSTS (Years 1-3)	**$ -**

* - Refer Tab 11 Exhibit A for list of equipment (hardware & software).

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	TAB 8-16 Sheet 2B Maintenance Services (Optional Year 4)		
Item #	**Description**	**Total Cost**	
1	ESS Workstations*	$	-
2	Video Management System (VMS)*	$	-
3	Access Control System (ACS)*	$	-
4	Video Analytics (VA) System*	$	-
5	Video Wall System*	$	-
6	Active Directory (AD) Services*	$	-
7	All other ESS components.*	$	-
8	Endpoint Security Protection	$	-
	TOTAL MAINTENANCE COSTS (Year 4)	**$**	**-**

* - Refer Tab 11 Exhibit A for list of equipment (hardware & software).

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Network Video Management System (NVMS)
Integrator Services
Price Proposal Forms

Item #	Description	Total Cost
TAB 8-16 Sheet 2C **Maintenance Services (Optional Year 5)**	
1	ESS Workstations*	$ -
2	Video Management System (VMS)*	$ -
3	Access Control System (ACS)*	$ -
4	Video Analytics (VA) System*	$ -
5	Video Wall System*	$ -
6	Active Directory (AD) Services*	$ -
7	All other ESS components.*	$ -
8	Endpoint Security Protection	$ -
	TOTAL MAINTENANCE COSTS (Year 5)	**$ -**

* - Refer Tab 11 Exhibit A for list of equipment (hardware & software).

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	TAB 8-16 Sheet 3 **Unit Pricing Summary**	
Item #	**Description**	**Unit Price**
1	Unit price of one (1) Endpoint Security Protection license with EDR (monthly subscription)	$ -
2	Unit price of five (5) Endpoint Security Protection licenses with EDR (monthly subscription)	$ -
3	NVMS On-site Systems Technician Post 6 Months (Daily Cost)	$ -
4	NVMS On-site Systems Technician Post 6 Months (Weekly Cost)	$ -
5	NVMS On-site Systems Technician Post 6 Months (Monthly Cost)	$ -

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TAB 11
EXHIBITS

Network Video Management System (NVMS) Integrator Services

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Milford-Montague Toll Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage		1st Floor IT Rm 125
Axis 16 channel Encoder	M7016	1st Floor IT Rm 125
DVT-1950-20DPR1 Video Recording Server		1st Floor IT Rm 125
Belkin KVM Switch	F1DA104Z	1st Floor IT Rm 125
DVTEL 8 Channel Encoder	DVT-7608E	1st Floor IT Rm 125
Cisco Switch (WS-C3650-12X48UQ)	N/A / 1	1st Floor IT Rm 125
Tripp Lite LCD Monitor, Keyboard, Mouse	B021	1st Floor IT Rm 125
Altronix Power Supply	R2416300UL	1st Floor IT Rm 125
Accedian Networks Demarcation Device		1st Floor IT Rm 125
APC 5KTF Step Down Transformer	N/A / 1	1st Floor IT Rm 125
APC SRT6KRMXLT 6000VA UPS	N/A / 1	1st Floor IT Rm 125
APC SRTY192RMBP Battery Pack	N/A / 1	1st Floor IT Rm 125

Milford-Montague Toll Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Genetec Synergis Cloud Link	1	IT RM Door MM125
Mercury EP 2500 Intelligent Controller	1	IT RM Door MM125
Mercury MR52 2 Door Module	7	
Mercury MR50 1 Door Module	5	
Altronix PD8 Power Distribution Board	12	
Altronix AL600ULXB Power Supply	12	
Aperio IP wireless hub	1	
Powersonic Battery Backup	1	IT RM Door MM125

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Delaware Water Gap Toll Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage	1	Basement Door DWG003
IFS Fiber Optic Card Cage	1	Basement Door DWG003
Axis 16 Channel Encoder	1-M7016	Basement Door DWG003
Dvtel 8 Channel Encoder	DVT-7608E	Basement Door DWG003
Cisco WS-C3650 POE network switch	12X48UQ	Basement Door DWG003
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000-17	Basement Door DWG003
Belkin KVM Switch	F1DA104Z	Basement Door DWG003
DVT-1950-20DPR1 Video Recording Server	1	Basement Door DWG003
HP Server	DL380P	Basement Door DWG003
Fiber Converter	1	Basement Door DWG003
Altronix Power Supply	R2416300UL	Basement Door DWG003
APC Step Down Transformer	5KTF	Basement Door DWG003
APC 6000VA UPS	SRT6KRMXLT	Basement Door DWG003
APC Battery Pack	SRT192RMBP	Basement Door DWG003

Delaware Water Gap Toll Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Genetec Synergis Cloud Link	1	Basement IT RM
Mercury Intelligent Controller	1	Basement IT RM
Mercury MR52 2-Door Module	10	
Mercury MR50 1-Door Module	15	
Altronix Power Supply	25	
Altronix Power Distribution Board	25	
Comnet Power Supply	PS48VDC-5a	Basement IT RM
Comnet Managed Switch	'NGE2FE8MSPO	Basement IT RM

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Portland-Columbia Toll Bridge (Including Portland-Columbia Pedestrian Bridge)		
Rack Equipment	**Model / QTY**	**Location in the Building**
IFS R3 Fiber Optic Card Cage	1	Basement PC002
Axis 16 Channel Encoder	M7016	Basement PC002
DVTEL 8 Channel Encoder	7608E	Basement PC002
DVT-1950 Video Recording Server	20DPR1	Basement PC002
Cisco WS-C3650 POE Network Switch	12X48UQ	Basement PC002
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000	Basement PC002
Belkin Omniview Pro3 KVM Switch		Basement PC002
GSM1000X Fiber Converter		Basement PC002
Altronix Power Supply	R2416300UL	Basement PC002
APC Step Down Transformer	5KTF	Basement PC002
APC 6000VA UPS	SRT6KRMXLT	Basement PC002
APC Battery Pack	SRT192RMBP	Basement PC002

Portland-Columbia Toll Bridge (Including Portland-Columbia Pedestrian Bridge)		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Genetec Synergis Cloud Link		Basement PC002
Mercury EP2500 Intelligent Controller	1	Basement PC002
Mercury MR52 2 Door Module	6	
Mercury MR50 1-Door Module	6	
Altronix PD8 Power Distribution Board	6	
Altronix AL600ULXB Power Suppy	6	
Von Duprin PS914 Power Supply	1	Basement PC002
Aperio Ip Wireless Hub	1	Lobby

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Riverton-Belvidere Toll-Supported Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage		Outside Climate controlled Rack
Cisco WS-C3650	8X24UQ	Outside Climate controlled Rack
Belkin KVM Switch	F1DA104Z	Outside Climate controlled Rack
Radiant Fiber Module		Outside Climate controlled Rack
DVT-1950 Video Recording Server	20DPR1	Outside Climate controlled Rack
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000	Outside Climate controlled Rack
APC Step Down Transformer	5KTF	Outside Climate controlled Rack
APC 6000VA UPS	SRT6KRMXLT	Outside Climate controlled Rack
APC Battery Pack	SRT192RMBP	Outside Climate controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate controlled Rack

Riverton-Belvidere Toll-Supported Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Mercury Access Control Module	EP1502	Inside Shelter Enclosure
Altronix Power Distribution	ACM4	Inside Shelter Enclosure

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Easton-Phillipsburg Toll Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage	1	3rd Floor ESS Server RM
IFS Fiber Optic Card Cage	1	3rd Floor ESS Server RM
Axis 16 Channel Encoder	1-M7016	3rd Floor ESS Server RM
Dvtel 8 Channel Encoder	DVT-7608E	3rd Floor ESS Server RM
Cisco WS-C3650 POE network switch	12X48UQ	3rd Floor ESS Server RM
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000-17	3rd Floor ESS Server RM
Belkin KVM Switch	F1DA104Z	3rd Floor ESS Server RM
DVT-1950-20DPR1 Video Recording Server	1	3rd Floor ESS Server RM
HP Server Domain Backup	DL380P	3rd Floor ESS Server RM
Fiber Converter	1	3rd Floor ESS Server RM
Altronix Power Supply	R2416300UL	3rd Floor ESS Server RM
APC Step Down Transformer	5KTF	3rd Floor ESS Server RM
APC 6000VA UPS	SRT6KRMXLT	3rd Floor ESS Server RM
APC Battery Pack	SRT192RMBP	3rd Floor ESS Server RM

Easton-Phillipsburg Toll Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Genetec Synergis Cloud Link	**1**	3rd Floor ESS Server RM
Mercury EP2500 Intelligent Controller	1	3rd Floor ESS Server RM
Mercury MR52 2-Door Module	9	
Mercury MR50 1-Door Module	9	
Altronix AL600ULXB Power Supply	18	
Altronix PD8 Power Distribution Boards	18	
Aperio Wireless Hub	1	3rd Floor Lobby

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Northampton Street Toll-Supported Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage		Outside Climate Controlled Rack
Axis 16 channel Encoder	M7016	Outside Climate Controlled Rack
DVT-1950-20DPR1 Video Recording Server		Outside Climate Controlled Rack
Belkin KVM Switch	F1DA104Z	Outside Climate Controlled Rack
DVTEL 8 Channel Encoder	DVT-7608E	Outside Climate Controlled Rack
Cisco Switch (WS-C3650-8X24UQ)	N/A / 1	Outside Climate Controlled Rack
Tripp Lite LCD Monitor, Keyboard, Mouse	B021	Outside Climate Controlled Rack
Altronix Power Supply	R2416300UL	Outside Climate Controlled Rack
Accedian Networks Demarcation Device		Outside Climate Controlled Rack
APC 5KTF Step Down Transformer	N/A / 1	Outside Climate Controlled Rack
APC SRT6KRMXLT 6000VA UPS	N/A / 1	Outside Climate Controlled Rack
APC SRTY192RMBP Battery Pack	N/A / 1	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Northampton Street Toll-Supported Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Mercury Access Control Module	EP1502	Pa Shelter Enclosure
Altronix ACM4 Power Distribution		Pa Shelter Enclosure
Altronix Power Supply	AL400LXB	Pa Shelter Enclosure
Mercury Access Control Module	EP1502	NJ Shelter Enclosure
Altronix ACM4 Power Distribution		NJ Shelter Enclosure
Comnet CNGE2FE8MSPOR+Network Switch		NJ Shelter Enclosure

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I-78 Toll Bridge @ Administration		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage		1st Floor IT RM
IFS R3 Fiber Optic Card Cage		1st Floor IT RM
Axis 16 Channel Encoder	M7016	1st Floor IT RM
DVTEL 8 Channel Encoder	DVT-7608E	1st Floor IT RM
Cisco WS-C3650 POE Network Switch	12X48UQ	1st Floor IT RM
Belkin KVM Switch	F1DA104Z	1st Floor IT RM
DVT-1950 Video Recording Server	20DPR1	1st Floor IT RM
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000	1st Floor IT RM
ADVA Switch		1st Floor IT RM
GSM1000X Fiber Converter		1st Floor IT RM
Altronix Power Supply	R2416300UL	1st Floor IT RM
APC Step Down Transformer	5KTF	1st Floor IT RM
APC 6000VA UPS	SRT6KRMXLT	1st Floor IT RM
APC Battery Pack	SRT192RMBP	1st Floor IT RM

I-78 Toll Bridge @ Administration		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Aperio Wirless Hub	1	3rd Floor
Genetec Synergis Cloud Link	1	1st Floor IT RM
Altronix EP2500 Intelligent Controller	1	1st Floor IT RM
MR16 Input Board	2	
Mercury MR50 1-Door Module	21	
Altronix ACM8 Power Distribution Boards	2	
Altronix AL600ULXB Power Supply	2	
Altronix PD8 Power Distribution Boards	21	
Altronz SMP5 Power Supply	2	
Veris X100CAB Transformer	2	

I-78 Toll Bridge @ Maintenance		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Ethernet Extender	CLFE8EOU	Garage IT RM
Cisco WS-C2960+24PC/S Network Switch		Garage IT RM
Network Interface Device		Garage IT RM
Altronix Camera Power Supply	R24163UC-2	Garage IT RM

I-78 Toll Bridge @ Maintenance		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Genetec Synergis Cloud Link	1	Garage IT RM
Altronix EP2500 Intelligent Controller	1	Garage IT RM
Mercury MR50 1-Door Module	16	Garage IT RM
Mercury MR16IN Input Board	1	Garage IT RM
Altronix AL600ULXB Power Supply	1	Garage IT RM
Altronix SMP5 Power Supply	1	Garage IT RM
Veris X100CAB Transformer	1	Garage IT RM

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I-78 Toll Bridge @ I-78 / RT-611 Site		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Fiber Over Ethernet Converter	CNFE1002	Outside Climate Controlled Rack
Axis 16 Channel Encoder	M7016	Outside Climate Controlled Rack
Cisco WS-3650 POE Network Switch	8X24UQ	Outside Climate Controlled Rack
Belkin KVM Switch	F1DA104Z	Outside Climate Controlled Rack
Altronix Maximal 1RHD Power Supply		Outside Climate Controlled Rack
DVT-1950 Video Recording Server		Outside Climate Controlled Rack
GSM1000X Fiber Converter		Outside Climate Controlled Rack
ADVA Switch		Outside Climate Controlled Rack
Canoga Perkins Fiber Converter		Outside Climate Controlled Rack
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000	Outside Climate Controlled Rack
APC 5KTF Step Down Transformer		Outside Climate Controlled Rack
APC 6000VA UPS	SRT6KRMXLT	Outside Climate Controlled Rack
APC Battery Pack	SRT192RMBP	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

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Riegelsville Toll-Supported Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage		Outside Climate Controlled Rack
Altronix Maximal Power Supply		Outside Climate Controlled Rack
Cisco WS-C3650 POE Network Switch	8X24UQ	Outside Climate Controlled Rack
Belkin KVM Switch	F1DA104Z	Outside Climate Controlled Rack
GSM1000X Fiber Converter		Outside Climate Controlled Rack
DVT-1950 Video Recording Server	20DPR1	Outside Climate Controlled Rack
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000-17	Outside Climate Controlled Rack
APC Step Down Transformer	5KTF	Outside Climate Controlled Rack
APC 6000VA UPS	SRT6KRMXLT	Outside Climate Controlled Rack
APC Battery Pack	SRT192RMBP	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Riegelsville Toll-Supported Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Mercury Access Control Module	EP1502	Pa Shelter Enclosure
Altronix ACM4 Power Distribution		Pa Shelter Enclosure
Altronix Power Supply	AL400LXB	Pa Shelter Enclosure
Mercury Access Control Module	EP1502	NJ Shelter Enclosure
Altronix ACM4 Power Distribution		NJ Shelter Enclosure

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Upper Black Eddy-Milford Toll-Supported Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage		Outside Climate Controlled Rack
Altronix Maximal Power Supply		Outside Climate Controlled Rack
Cisco WS-C3650 POE Network Switch	8X24UQ	Outside Climate Controlled Rack
Belkin KVM Switch	F1DA104Z	Outside Climate Controlled Rack
GSM1000X Fiber Converter		Outside Climate Controlled Rack
DVT-1950 Video Recording Server	20DPR1	Outside Climate Controlled Rack
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000-17	Outside Climate Controlled Rack
APC Step Down Transformer	5KTF	Outside Climate Controlled Rack
APC 6000VA UPS	SRT6KRMXLT	Outside Climate Controlled Rack
APC Battery Pack	SRT192RMBP	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Upper Black Eddy-Milford Toll-Supported Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Mercury Access Control Module	EP1502	Inside Shelter Enclosure
Altronix Power Distribution	ACM4	Inside Shelter Enclosure

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Uhlerstown-Frenchtown Toll-Supported Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
Comnet Media Converter Cage		Outside Climate Controlled Rack
Altronix Maximal Power Supply		Outside Climate Controlled Rack
Cisco WS-C3650 POE Network Switch	8X24UQ	Outside Climate Controlled Rack
Belkin KVM Switch	F1DA104Z	Outside Climate Controlled Rack
GSM1000X Fiber Converter		Outside Climate Controlled Rack
DVT-1950 Video Recording Server	20DPR1	Outside Climate Controlled Rack
Tripp Lite LCD Monitor, Keyboard, Mouse	B021-000-17	Outside Climate Controlled Rack
APC Step Down Transformer	5KTF	Outside Climate Controlled Rack
APC 6000VA UPS	SRT6KRMXLT	Outside Climate Controlled Rack
APC Battery Pack	SRT192RMBP	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Uhlerstown-Frenchtown Toll-Supported Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Mercury Access Control Module	EP1502	Inside Shelter Enclosure
Altronix Power Distribution	ACM4	Inside Shelter Enclosure

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Centre Bridge-Stockton Toll-Supported Bridge		
Rack Equipment	**QTY**	**Location in the Building**
Cisco Switch (WS-C3650-8X24UQ-E)	1	Outside Climate Controlled Rack
Belkin KVM	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17	1	Outside Climate Controlled Rack
DVT-1950-20DPR1 Genetec NVMS	1	Outside Climate Controlled Rack
Altronix Maximal 1RHD	1	Outside Climate Controlled Rack
LPG Stationary Tank Monitor	1	Outside Climate Controlled Rack
Axis P8221 I/O Module	1	Outside Climate Controlled Rack
Comnet C1PS Power Supply	1	Outside Climate Controlled Rack
Comnet Media Converter Cage	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17 LCD Monitor, Keyboard, Mouse	1	Outside Climate Controlled Rack
APC 5KTF Step Down Transformer	1	Outside Climate Controlled Rack
APC SRT6KRMXLT 6000VA UPS	1	Outside Climate Controlled Rack
APC SRT192RMBP Battery Pack	1	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Centre Bridge-Stockton Toll-Supported Bridge		
ACS Headend Equipment	**QTY**	**Location in the Building**
Mercury EP1502 Network Controller	1	NJ Shelter
Altronix ACM4 Power Distribution	1	NJ Shelter

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New Hope-Lambertville Toll Bridge (Including Federation Server)		
Rack Equipment	**QTY**	**Location in the Building**
Axis M7016 Encoder	2	Rack 1 - 1st Flr IT Rm
DVTel Encoder	1	Rack 1 - 1st Flr IT Rm
Cisco Switch (WS-C3650-12X48UQ-E)	1	Rack 1 - 1st Flr IT Rm
Tripp Litee KVM	1	Rack 1 - 1st Flr IT Rm
Tripp Lite B021-000-17	1	Rack 1 - 1st Flr IT Rm
DVT-1950-20DPR1 NVMS	2	Rack 1 - 1st Flr IT Rm
Altronix R2416300UL Power Supply	1	Rack 1 - 1st Flr IT Rm
Bosch LTC 8786/60 BiPhase Converter	1	Rack 1 - 1st Flr IT Rm
AXIS P8221 I/O Module	1	Rack 1 - 1st Flr IT Rm
Comnet C1PS Power Supply	1	Rack 1 - 1st Flr IT Rm
HP DL360	2	Rack 1 - 1st Flr IT Rm
BCD Video Server	1	Rack 1 - 1st Flr IT Rm
Dell Server Anti Virus	1	Rack 1 - 1st Flr IT Rm
Dell Server WSUS	1	Rack 2 - 1st Flr IT Rm
HP Server SNMP	1	Rack 2 - 1st Flr IT Rm
BreifCam Analytics Server	1	Rack 2 - 1st Flr IT Rm
HP DL380 Server	4	Rack 1 & 2 (1 Each)
APC 5KTF Step Down Transformer	2	Rack 1 & 2 (1 Each)
APC SRT6KRMXLT 6000VA UPS	2	Rack 1 & 2 (1 Each)
APC SRTY192RMBP Battery Pack	2	Rack 1 & 2 (1 Each)

New Hope-Lambertville Toll Bridge (Including Federation Server)		
Rack Equipment	**QTY**	**Location in the Building**
Comcast Reciever	2	Rack 3 - 2nd Flr PCC Rm
HDMI Matrix VuWall	1	Rack 3 - 2nd Flr PCC Rm
Video Wall Processor VuWall	1	Rack 3 - 2nd Flr PCC Rm
Video Transmitter VuWall	3	Rack 3 - 2nd Flr PCC Rm
Audio RSP VuWall	1	Rack 3 - 2nd Flr PCC Rm
AV Controller Atlona	1	Rack 3 - 2nd Flr PCC Rm
ESS Workstation Streamvault	2	Rack 4 - 2nd Flr PCC Rm
KVM Switch Tripplite	2	Rack 4 - 2nd Flr PCC Rm
KVM Transmitter Triplite HDMI Ext.	10	Rack 4 - 2nd Flr PCC Rm
DNS Server Proliant DL 360 Gen10	1	Rack 4 - 2nd Flr PCC Rm
Network Switch Catalyst 3650	2	Rack 5 - 2nd Flr PCC Rm
KVM Switch Tripplite	2	Rack 5 - 2nd Flr PCC Rm
KVM Transmitter Triplite HDMI Ext.	10	Rack 5 - 2nd Flr PCC Rm
Backup DNS Server Proliant DL 360 Gen10	1	Rack 5 - 2nd Flr PCC Rm
APC 5KTF Transformer	3	1 Each Rack (3-5)
APC SRT5KRMXLT 5000VA UPS	3	1 Each Rack (3-5)
APC SRT192RMBP Battery Pack	3	1 Each Rack (3-5)

New Hope-Lambertville Toll Bridge (Including Federation Server)		
ACS Headend Equipment	**QTY**	**Location in the Building**
Mercury EP2500 Network Controller	1	IT Rm R147
Mercury MR16IN Input Module	2	IT Rm R147
Mercury MR16OUT Output Module	2	IT Rm R147
Life Safety Power Supply	2	IT Rm R147
Genetec Synergis Cloudlink	1	IT Rm R147
Aiphone RY-IP44 Intercom I/O Adapter	1	IT Rm R147
Mercury MR52 Door Controller	12	IT Rm R147
Mercury MR52 Door Controller	12	IT Rm R147
Life Safety Power Supply	2	IT Rm R147
Life Safety Power Distribution	4	IT Rm R147
Mercury EP2500 Network Controller	1	IT Rm R147
Mercury MR16IN Input Module	1	IT Rm R147
Mercury MR16OUT Output Module	1	IT Rm R147
Mercury MR50 Door Controller	1	IT Rm R147
Mercury EP1502 Network Controller	1	IT Rm R147
Mercury MR50 Door Controller	1	IT Rm R147
Mercury MR16IN Input Module	1	IT Rm R147
Mercury MR16OUT Output Module	1	IT Rm R147
Life Safety Power Supply	2	IT Rm R147
Life Safety Power Distribution	4	IT Rm R147

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New Hope-Lambertville Toll-Supported Bridge		
Rack Equipment	**QTY**	**Location in the Building**
Cisco Switch (WS-C3650-8X24UQ-E)	1	Outside Climate Controlled Rack
Belkin KVM	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17	1	Outside Climate Controlled Rack
DVT-1950-20DPR1 NVMS	1	Outside Climate Controlled Rack
Altronix Maximal 1RHD	1	Outside Climate Controlled Rack
Axis P8221 I/O Module	1	Outside Climate Controlled Rack
Comnet C1PS Power Supply	1	Outside Climate Controlled Rack
Comnet Media Converter Cage	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17 LCD Monitor, Keyboard, Mouse	1	Outside Climate Controlled Rack
APC 5KTF Step Down Transformer	1	Outside Climate Controlled Rack
APC SRT6KRMXLT 6000VA UPS	1	Outside Climate Controlled Rack
APC SRT192RMBP Battery Pack	1	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

New Hope-Lambertville Toll-Supported Bridge		
ACS Headend Equipment	**QTY**	**Location in the Building**
Mercury EP1502 Network Controller	1	PA Shelter
Altronix ACM4 Power Distribution	1	PA Shelter
Mercury EP1502 Network Controller	1	NJ Shelter
Altronix ACM4 Power Distribution	1	NJ Shelter

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Washingtons Crossing Toll-Supported Bridge		
Rack Equipment	**QTY**	**Location in the Building**
Cisco Switch (WS-C3650-8X24UQ-E)	1	Outside Climate Controlled Rack
Belkin KVM	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17	1	Outside Climate Controlled Rack
DVT-1950-20DPR1 NVMS	1	Outside Climate Controlled Rack
Altronix Maximal 1RHD	1	Outside Climate Controlled Rack
LPG Stationary Tank Monitor	1	Outside Climate Controlled Rack
Axis P8221 I/O Module	1	Outside Climate Controlled Rack
Comnet C1PS Power Supply	1	Outside Climate Controlled Rack
Comnet Media Converter Cage	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17 LCD Monitor, Keyboard, Mouse	1	Outside Climate Controlled Rack
APC 5KTF Step Down Transformer	1	Outside Climate Controlled Rack
APC SRT6KRMXLT 6000VA UPS	1	Outside Climate Controlled Rack
APC SRT192RMBP Battery Pack	1	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Washingtons Crossing Toll-Supported Bridge		
ACS Headend Equipment	**QTY**	**Location in the Building**
Mercury EP1502 Network Controller	1	NJ Shelter
Altronix ACM4 Power Distribution	1	NJ Shelter

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Scudder Falls Administration Building (Including 1799 House)		
Rack Equipment	**QTY**	**Location in the Building**
Cisco Switch (WS-C3650-8X24UQ-E)	1	1st Floor IDF Rm 105
Cisco Switch (WS-C3650-8X24UQ-E)	1	2nd Floor IDF Rm 205
Cisco Switch (WS-C3650-12X48UQ-E)	1	2nd Floor IDF Rm 205
Fortinet Firewall Fortigate 30E	1	2nd Floor Server Rm 252
BriefCam Server Prolient D380 Gen 10	1	2nd Floor Server Rm 252
Kernel-based Virtual Machine (KVM) Tripplite	1	2nd Floor Server Rm 252
Genetec Network Video Management server (NVMS)	1	2nd Floor Server Rm 252
SolarWinds SNMP Server Prolent D380P	1	2nd Floor Server Rm 252
SolarWinds Orion SQL Host Server Prolient D380P	1	2nd Floor Server Rm 252
Windows Update Server (WSUS) HP Prolient DL380P	1	2nd Floor Server Rm 252
MacAfee EPO Server Orion Dell Poweredge R330	1	2nd Floor Server Rm 252
Integrator Shared Drive Server Prolient DL380 Gen 10	1	2nd Floor Server Rm 252
Axis M7016 16 CH. Encoder	1	2nd Floor Server Rm 252
Active Directory Server Prolent D380P	1	2nd Floor Server Rm 252
Domain Server Prolent D380P	1	2nd Floor Server Rm 252
Backup Imaging Server Prolent D380P	1	2nd Floor Server Rm 252
APC 5KTF Step Down Transformer	1	2nd Floor Server Rm 252
APC SRT6KRMXLT 6000VA UPS	1	2nd Floor Server Rm 252
APC SRTY192RMBP Battery Pack	1	2nd Floor Server Rm 252

Scudder Falls Administration Building (Including 1799 House)		
ACS Headend Equipment	**QTY**	**Location in the Building**
Mercury EP2500 Network Controller	1	1st Floor IDF Rm 105
Mercury MR16IN Input Module	2	1st Floor IDF Rm 105
Mercury MR16OUT Output Module	2	1st Floor IDF Rm 105
Life Safety Power Supply	2	1st Floor IDF Rm 105
Genetec Synergis Cloudlink	1	1st Floor IDF Rm 105
Aiphone RY-IP44 Intercom I/O Adapter	1	1st Floor IDF Rm 105
Mercury MR52 Door Controller	12	1st Floor IDF Rm 105
Mercury MR52 Door Controller	12	2nd Floor IDF Rm 205
Life Safety Power Supply	2	2nd Floor IDF Rm 205
Life Safety Power Distribution	4	2nd Floor IDF Rm 205
Mercury EP2500 Network Controller	1	2nd Floor IDF Rm 205
Mercury MR16IN Input Module	1	2nd Floor IDF Rm 205
Mercury MR16OUT Output Module	1	2nd Floor IDF Rm 205
Mercury MR50 Door Controller	1	2nd Floor IDF Rm 205
Mercury EP1502 Network Controller	1	1st Floor 1799 house Basement
Mercury MR50 Door Controller	1	1st Floor 1799 house Basement
Mercury MR16IN Input Module	1	1st Floor 1799 house Basement
Mercury MR16OUT Output Module	1	1st Floor 1799 house Basement
Life Safety Power Supply	2	1st Floor 1799 house Basement
Life Safety Power Distribution	4	1st Floor 1799 house Basement

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Scudder Falls Toll Bridge		
Rack Equipment	**QTY**	**Location in the Building**
Cisco WS-C3650-12X48UQ	2	Lower Lvl L101
APC AP5719	1	Lower Lvl L101
APC KVM2132P	1	Lower Lvl L101
Genetec SV-2010EX-R18-204T-12-216	1	Lower Lvl L101
Genetec SV-2000E-R4-D200-170	1	Lower Lvl L101
Genetec SVW-501E-T5-1050-145	2	Lower Lvl L101
Dell Precision 3930	1	Lower Lvl L101
Bosch PoE Midspan	4	Lower Lvl L101
StarTech HDMI & USB Extender	3	Lower Lvl L101
StarTech HDMI Extender	3	Lower Lvl L101

Scudder Falls Toll Bridge		
ACS Headend Equipment	**QTY**	**Location in the Building**
LifeSafety Power FP0250 Power Supply	2	Lower Lvl L101
LifeSafety Power C8 Power Distribution	2	Lower Lvl L101
LifeSafety Power D8P Power Distribution	2	Lower Lvl L101
AiPhone Barlonet 50 Intercom Relay	1	Lower Lvl L101
Genetec Synergis Cloudlink	1	Lower Lvl L101
Mercury EP2500 Access Control Panel	1	Lower Lvl L101
Mercury MR16IN Remote Input Module	11	Lower Lvl L101
Mercury MR16OUT Remote Output Module	1	Lower Lvl L101
Mercury MR52 Remote Door Unit	3	Lower Lvl L101

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Calhoun Street Toll-Supported Bridge		
Rack Equipment	**QTY**	**Location in the Building**
Cisco Switch (WS-C3650-8X24UQ-E)	1	Outside Climate Controlled Rack
Belkin KVM	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17	1	Outside Climate Controlled Rack
DVT-1950-20DPR1 NVMS	1	Outside Climate Controlled Rack
Altronix Maximal 1RHD	1	Outside Climate Controlled Rack
LPG Stationary Tank Monitor	1	Outside Climate Controlled Rack
Axis P8221 I/O Module	1	Outside Climate Controlled Rack
Comnet C1PS Power Supply	1	Outside Climate Controlled Rack
Comnet Media Converter Cage	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17 LCD Monitor, Keyboard, Mouse	1	Outside Climate Controlled Rack
APC 5KTF Step Down Transformer	1	Outside Climate Controlled Rack
APC SRT6KRMXLT 6000VA UPS	1	Outside Climate Controlled Rack
APC SRT192RMBP Battery Pack	1	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Calhoun Street Toll-Supported Bridge		
ACS Headend Equipment	**QTY**	**Location in the Building**
Mercury EP1502 Network Controller	1	PA Shelter
Altronix ACM4 Power Distribution	1	PA Shelter
Mercury EP1502 Network Controller	1	NJ Shelter
Altronix ACM4 Power Distribution	1	NJ Shelter

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Lower Trenton Toll-Supported Bridge		
Rack Equipment	**QTY**	**Location in the Building**
Cisco Switch (WS-C3650-8X24UQ-E)	1	Outside Climate Controlled Rack
Belkin KVM	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17	1	Outside Climate Controlled Rack
DVT-1950-20DPR1 NVMS	1	Outside Climate Controlled Rack
Altronix Maximal 1RHD	1	Outside Climate Controlled Rack
LPG Stationary Tank Monitor	1	Outside Climate Controlled Rack
Axis P8221 I/O Module	1	Outside Climate Controlled Rack
Comnet C1PS Power Supply	1	Outside Climate Controlled Rack
Comnet Media Converter Cage	1	Outside Climate Controlled Rack
Tripp Lite B021-000-17 LCD Monitor, Keyboard, Mouse	1	Outside Climate Controlled Rack
APC 5KTF Step Down Transformer	1	Outside Climate Controlled Rack
APC SRT6KRMXLT 6000VA UPS	1	Outside Climate Controlled Rack
APC SRT192RMBP Battery Pack	1	Outside Climate Controlled Rack
NVENT Electronic Enclosure Air Conditioner	T431016G102	Outside Climate Controlled Rack

Lower Trenton Toll-Supported Bridge		
ACS Headend Equipment	**QTY**	**Location in the Building**
Mercury EP1502 Network Controller	1	PA Shelter
Altronix ACM4 Power Distribution	1	PA Shelter

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Trenton-Morrisville Toll Bridge		
Rack Equipment	**Model / QTY**	**Location in the Building**
IFS R3 Fiber Optic Card Cage	2	Small Garage IT Rm
Axis M7016 16 CH. Encoder	1	Small Garage IT Rm
DVTel DVT-7608E 8 CH.Encoder	1	Small Garage IT Rm
Belkin Omniview Pro 3 KVM	1	Small Garage IT Rm
Cisco WS-C3650-12X48UQ POE Switch	1	Small Garage IT Rm
DVT-1950-20DPR1 NVMS	1	Small Garage IT Rm
Tripp Lite B021-000-17 LCD Monitor, Mouse, Keyboard	1	Small Garage IT Rm
Edgewater 4000 Series Router	1	Small Garage IT Rm
Altronics R24163000UL Power Supply	1	Small Garage IT Rm

Trenton-Morrisville Toll Bridge		
ACS Headend Equipment	**Model / QTY**	**Location in the Building**
Genetec Synergis Cloudlink	1	Small Garage IT Rm
Mercury EP2500 Network Controller	1	Small Garage IT Rm
Mercury MR52 Door Controller	8	Thru Out the Garage
Mercury MR50 Door Controller	2	Thru Out the Garage
Mercury RIU	1	Small Garage IT Rm
Comnet CNGE2FE8MSPOE Managed Switch	1	Small Garage IT Rm
Comnet PS48VDC-5A Power Supply	1	Small Garage IT Rm
Mercury MR52 Door Controller	1	Small Garage IT Rm
Altronix PD8 Power Distribution Board	4	Small Garage IT Rm
Altronix AL600ULXB Power Supply	4	Small Garage IT Rm
Power Sonic battery Backup	6	Small Garage IT Rm
Genetec Synergis Cloudlink	1	TM Admin 2nd Floor Rm 201
Mercury EP2500 Network Controller	1	TM Admin 2nd Floor Rm 201
Mercury MR52 Door Controller	1	TM Admin 2nd Floor Rm 201
Mercury MR52 Door Controller	9	Thru Out the Building
Mercury MR50 Door Controller	13	Thru Out the Building
Altronix PD8 Power Distribution Board	2	TM Admin 2nd Floor Rm 201
Altronix AL600ULXB Power Supply	2	TM Admin 2nd Floor Rm 201
Power Sonic battery Backup	3	TM Admin 2nd Floor Rm 201

Note: Equipment to be decommissioned on August 31, 2024

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Primary Control Center (PCC) @ NJSP ROIC		
Rack Equipment	QTY	Location in the Building
HP 2530-24G Switch	1	ROIC IT Rm 2nd Floor
Extron IP Link	1	ROIC IT Rm 2nd Floor
Activu Server	2	ROIC IT Rm 2nd Floor
Dell Precision 7910 Server	1	ROIC IT Rm 2nd Floor
HP DL360 Server	2	ROIC IT Rm 2nd Floor
APC 5KTF Step Down Transformer	1	ROIC IT Rm 2nd Floor
APC SRT6KRMXLT 6000VA UPS	1	ROIC IT Rm 2nd Floor
APC SRT192RMBP Battery Pack	1	ROIC IT Rm 2nd Floor

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Langhorne Maintenance Building		
Rack Equipment	**QTY**	**Location in the Building**
COMNET C1US FIBER OPTIC CARD CAGE	1	Server Room
CISCO C9300L-48UXG-4X-A 48 port Net Switch	1	Server Room
GENETEC SV-2011E-R4-48T-16-236 VMS SERVER	1	Server Room
APC AP5719 19" RACK CONSOLE	1	Server Room
APC KVM1116P KVM SWITCH	1	Server Room
APC 5KTF STEP DOWN TRANSFORMER	1	Server Room
APC SRT5KRMXLT 5000VA UPS	1	Server Room
APC SRT192RMBP BATTERY PACK	2	Server Room
Camera Licenses	33	

Langhorne Maintenance Building		
ACS Headend Equipment	**QTY**	**Location in the Building**
GENETEC LP1502 INTELLIGENT CONTROLLER	1	Mechanical Room
GENETEC MR52 TWO DOOR CONTROLLER	13	Mechanical Room
GENETEC MR16IN INPUT MODULE	1	Mechanical Room
AIPHONE IXW-MA RELAY ADAPTER	1	Mechanical Room
LIFESAFETY POWER FPO150 PANEL POWER SUPPLY	1	Mechanical Room
LIFESAFETY POWER FPO250 LOCK POWER SUPPLY	1	Mechanical Room
LIFESAFETY POWER D8 POWER DIST BOARD	2	Mechanical Room
LIFESAFETY POWER C8 LOCK CONTROL BOARD	2	Mechanical Room

Langhorne Maintenance Building	
Camera Licenses	33

Estimated Completion Date: September 30, 2023

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Trenton-Morrisville Toll Bridge - Operations Building		
Rack Equipment	**QTY**	**Location in the Building**
Cisco WS-C3650-12x48UQ Network Switch	5	Server Room
APC SRT192RMBP Battery packs	8	Server Room
APC 5KTF Transformer	7	Server Room
APC SRT5KRMXLT 5000VA UPS	7	Server Room
Buffalo Sorage Server WS5420RN16S6	1	Server Room
Tripplite KVM Switch B070001619IP	1	Server Room
Genetec SV-2011E-R4 VMS Server	1	Server Room
Bosch NPD-9501A POE Midspan	2	Server Room

Trenton-Morrisville Toll Bridge - Operations Building		
ACS Headend Equipment	**QTY**	**Location in the Building**
Genetec LP1502 Intelligent Controller	6	Electric Room
Genetec Cloudlink	1	Electric Room
Genetec MR52 Two Door Controller	8	Electric Room
Lifesafety power FPO150 power supply	2	Electric Room
Lifesafety Power FPO250 Lock power Supply	1	Electric Room
Lifesafety power D8 power dist board	2	Electric Room
Lifesafety power C8 lock control board	2	Electric Room

Trenton-Morrisville Toll Bridge - Operations Building	
Camera Licenses	22

Estimated Completion Date: August 31, 2024

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Trenton-Morrisville Toll Bridge - Primary Control Center		
Rack Equipment	**QTY**	**Location in the Building**
Adder CCS-Pro4 KVM Console	6	Server Room
Genetec Streamvault SVW-502E-R2	6	Server Room
Vuwall TRX Centralized Management Controller	1	Server Room
Vuwall VuscapeVS640-3 Video wall processor	1	Server Room
RGB Spectrum Catlinx-2 TX Video Transmitter	1	Server Room
RGB Spectrum 400-12 12 Channel PDU	1	Server Room
Attero Tech Audio Module Undio6	6	Server Room
Tripplite USB Hub U360007IND	6	Server Room
HDMI Video extenders	30	Server Room

Estimated Completion Date: August 31, 2024

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Trenton-Morrisville Toll Bridge - Vehicle Storage		
Rack Equipment	**QTY**	**Location in the Building**
Cisco C9300L-48UGX-4x-A 48Port POE Net Switch	1	Mechanical Room
Bosch NPD-9501A POE Midspan	4	Mechanical Room

Trenton-Morrisville Toll Bridge - Vehicle Storage		
ACS Headend Equipment	**QTY**	**Location in the Building**
Genetec LP1502 Intelligent Controller	1	Mechanical Room
Genetec MR52 Two Door Controller	5	Mechanical Room
Lifesafety power FPO150 power supply	1	Mechanical Room
Lifesafety Power FPO250 Lock power Supply	1	Mechanical Room
Lifesafety power D8 power dist board	2	Mechanical Room
Lifesafety power C8 lock control board	2	Mechanical Room

Trenton-Morrisville Toll Bridge - Vehicle Storage	
Camera Licenses	8

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Software	Version
Genetec	5.9.4.0 (580.32)
Microsoft Windows workstation and Server	Windows 10 Pro / Windows Server 2012 R2 Standard
BriefCam	
VuWall	
Activu	
Active Shooter	Not Applicable
Cisco Smart Tech	Held by Integrator
Service License Agreements	
Genetec	
BriefCam	
VuWall	
Activu	
Mercury	
Active Shooter	
Cisco Smart Tech	

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Part #	Description: Milford-Montague Toll Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	24

Part #	Description: Delaware Water Gap Toll Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	38

Part #	Description: Portland-Columbia Toll Bridge (Including Portland-Columbia Pedestrian Bridge)	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
Sy-MR50-S3	Mercury MR50 1-reader interface module Series 3 (2 inputs, 2 relays, PCB only, software connections included)	1
Sy-IN100	one reader	3
GSC-Om-S-1C	1 camera connection	31

Part #	Description: Riverton-Belvidere Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	12

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Part #	Description: Easton-Phillipsburg Toll Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	39

Part #	Description: Northampton Street Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	14

Part #	Description: I-78 Toll Bridge @ Administration & Maintenance	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Sy-S-IMP	Import Tool (import cardholder and credential data)	1
GSC-Om-S-1C	1 camera connection	39

Part #	Description: I-78 Toll Bridge @ I-78 / RT-611 Site	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	22

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Part #	Description: Reigelsville Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	12

Part #	Description: Upper Black Eddy-Milford Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	12

Part #	Description: Uhlerstown-Frenchtown Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	12

Part #	Description: Centre Bridge-Stockton Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	15

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Part #	Description: New Hope-Lambertville Toll Bridge (Including Federation Server)	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-E	GSC Synergis Enterprise Package software which includes: Access Manager support, Remote Security Desk, Badge Designer.	1
GSC-Om-E	GSC Omnicast Enterprise Package which includes: Archiving and Auxiliary Archiving support, Media Router, Audio, Remote Security Desk, Camera Sequences, Camera Blocking, Camera Dewarping, Hardware Matrix Support, Time Zone, Edge recording and trickling, Keyboard and Joystick Support, Max. 300 cameras per Archiver / 100 cameras on the Directory machine	1
SVW-300-T3-1060-I7	Streamvault workstation SV-300. TOWER CORE I7-6700, 8GB RAM, 275GB SSD, 1TB, GTX1060, Single PS, WIN 10 PRO.	1
SY-MR52-S3	Mercury MR52 2-reader interface module Series 3 (8 inputs, 6 relays, PCB only, software connections included)	60
Sy-MR50-S3	Mercury MR50 1-reader interface module Series 3 (2 inputs, 2 relays, PCB only, software connections included)	7
SY-MR16IN-S3	Mercury MR16IN 16-input Monitor Module Series 3 (2 relays, PCB only, software connections included)	1
SY-MR16OUT-S3	Mercury MR16OUT 16-relay Output Control Module Series 3 (PCB only, software connections included)	4
SY-LP1502	Mercury Intelligent Controller, Linux Based, 8In/4Out/2Rd (Software Connections included)	4
GSC-1AD-USCH	Security Center Active Directory Integration (users and cardholders) Enables Windows user accounts will be linked to Security Center user and Synergis cardholder accounts. Only available with Synergis Professional or Enterprise packages.	1
GSC-1STU	Site License for Genetec Security Desk client connections (incl. Web Client) (Only available with Synergis and/or Omnicast Enterprise packages and/or AutoVu Standard package).	1
GSC-1SCFED	1 Federated Security Center 4.0 (or higher) Directory connection. Must purchase Omnicast or Synergis Enterprise Package or AutoVu Standard.	22
GSC-1SCFED-20	1 Federated Security Center 4.0 (or higher) Directory connection - 20 entities or less (cameras, readers or Sharp). Must purchase Omnicast or Synergis Enterprise Package or AutoVu Standard.	1
GSC-1MobileU	One (1) Genetec Security Mobile app connection Supported only with GSC Mobile	25
GSC-1FOD	One (1) Failover Directory Role. Only available with Enterprise packages (Synergis and/or Omnicast). Mandatory SMA.	1
Sy-MR50	Mercury MR50 1-reader interface module (2 inputs, 2 relays, PCB only)	103
Sy-MR52	Mercury MR52 2-reader interface module (8 inputs, 6 relays, PCB only)	58
Sy-MR16IN	Mercury MR16IN 16-input Monitor Module (2 relays, PCB only)	11
GSC-1SDK-BRIEFCAM-VSEnterprisC		5
GSC-1SDK-BRIEFCAM-VSEnterprisS		4
GSC-THREATLEVELS	Threat Level Module. Only available with Professional or Enterprise packages (Synergis and/or Omnicast).	1
GSC-PM-STD-SiteLicense	Plan Manager for unlimited entities (cameras, doors, alarm panels, custom entities). Supports vector-based maps (PDF), intrusion management, PTZ control and field of view, customizable entity states, simple Bing maps support. Only available with Enterprise packages (Synergis and/or Omnicast).	1
GSC-PM-Advanced	Advanced Plan Manager for GIS Map servers. Requires GSC-PM-STD-XXX.	1
GSC-1SDK-ACTIVU-VideoWall		2
Sy-EP1502	Intelligent Controller, 16MB RAM Ethernet 2In/2Out/2Rd	3
GSC-1SDK-VuWall-VuWall2	One (1) Genetec SDK connection for VuWall with VuWall2.	8
Sy-IN100	one reader	7
GSC-Sy-E-1R	One (1) reader connection (not required if hardware purchased with software)	63
GSC-Sy-E-IMP	Import Tool (import cardholder and credential data)	1
GSC-Sy-E-1WR	Created based on GSC-Sy-E-1R	7
GSC-Sy-E-1GCHM	One (1) Global Cardholder Management connection to a central system (max. 1 per system). Central system must be a Synergis Enteprise system.	1
GSC-Om-E-1C	1 camera connection	39

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Part #	Description: New Hope-Lambertville Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	14

Part #	Description: Washingtons Crossing Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	12

Part #	Description: Scudder Falls Administration Building (Including 1799 House)	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	45

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Part #	Description: Scudder Falls Toll Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-P	GSC Omnicast Professional Package which includes: Archiving support, Media Router, Audio, Remote Security Desk, Camera Sequences, Camera Blocking, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 250 cameras, Max. 10 clients, Max. 20 Archivers	1
SY-MR16IN-S3	Mercury MR16IN 16-input Monitor Module Series 3 (2 relays, PCB only, software connections included)	2
SY-MR16OUT-S3	Mercury MR16OUT 16-relay Output Control Module Series 3 (PCB only, software connections included)	1
SV-2010EX-R18-204T-12-216	Streamvault 2010EX series. 2U 18 BAY, (2) Xeon Silver 4116, 16GB RAM, OS RAID1 (2) 240GB SSD, 204TB RAW (17) 12TB, RAID5, (4)x1GbE Ports, (2)x10GbE SFP+ Ports, WIN SRV 2016. Dual PS. Genetec Security Center pre-installed. License sold separately.	1
SV-2000E-R4-D200-170	Streamvault 2000E Appliance - 2U 4 BAY, Xeon E3-1270V6, 16GB RAM, (2) 200GB SSD, Windows 2016, Dual PS, Genetec Security Center pre-installed. License sold seperately.	1
SVW-501E-T5-1050-145	Streamvault Workstation SVW-501E - Tower, Xeon W-2145, (1) 2.5" SFF Bay + (4) 3.5" LFF Bays, 16GB RAM, 1TB HDD, Windows 10 Pro, 256GB SSD, (2) 1GbE, NVIDIA GTX1050TI, Single PS, Genetec Security Center pre-installed. License sold seperately.	1
GSC-1U	1 Genetec Security Desk client connection (incl. Web Client)	4
GSC-Om-P-1C	1 camera connection	81

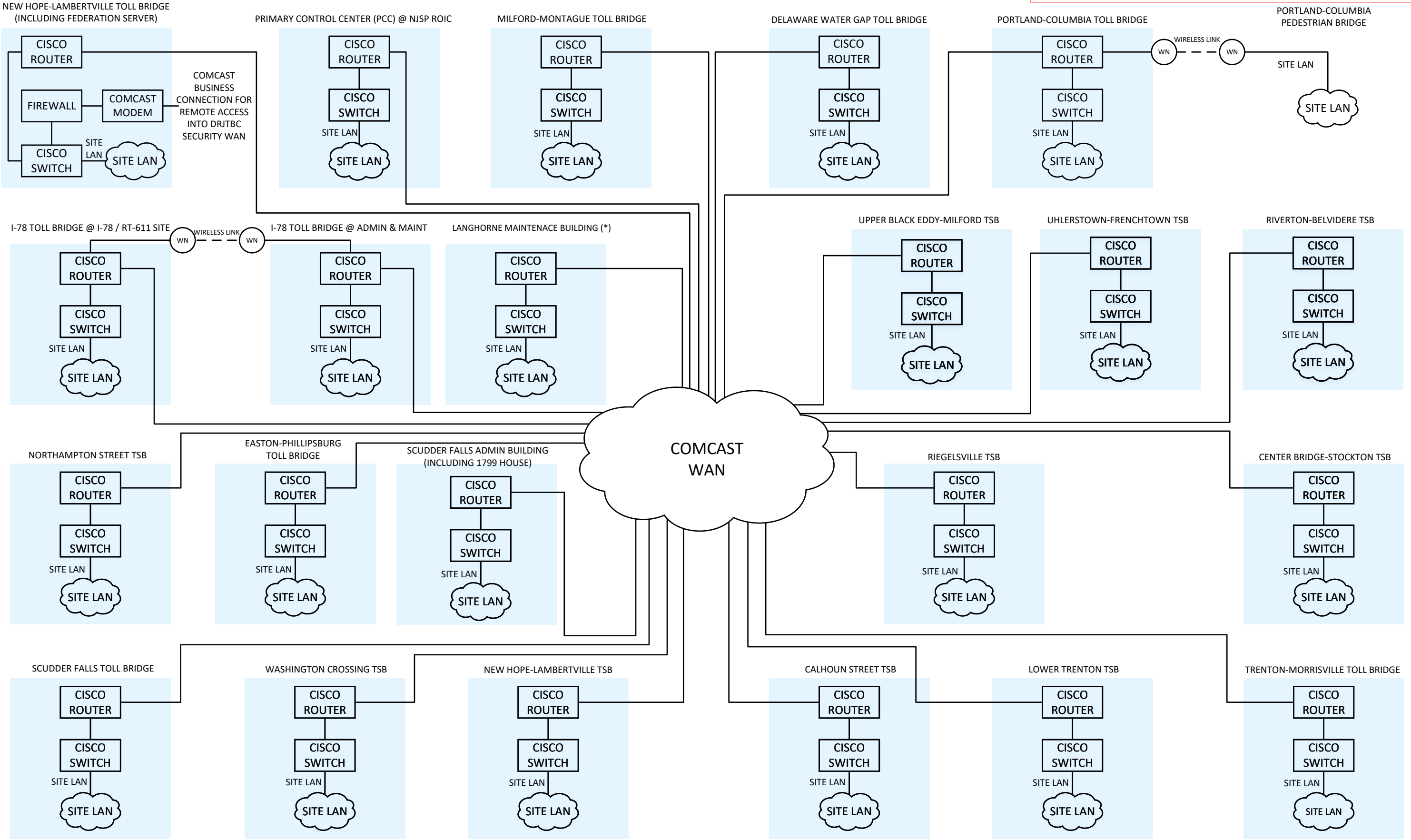| Part #	Description: Calhoun Street Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	15

Part #	Description: Lower Trenton Toll-Supported Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	16

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Part #	Description: Trenton-Morrisville Toll Bridge	Quantity
GSC-5.9	Version 5.9	1
GSC-Base-5.9	Genetec Security Center (GSC) Base Package - Version 5.9 which includes: 1 Directory, 5 Security Desk client connections (incl. Web Client), Plan Manager Basic, Alarm Management, Advanced Reporting, System Partitioning, Zone Monitoring, IO Modules Support, Email Support, Macros Support (actual macro	1
GSC-Sy-S	GSC Synergis Standard Base Package. Works with Genetec Security Center (sold separately) Includes: One (1) Synergis AccessManager, one (1) Web Client connection, 22,000 cardholders, Zone Monitoring, Elevator Control, 5 Custom Fields. Runs on SQL 2005/2008 Express Edition (SQL 2005 Express included). Full Microsoft SQL Server 2005/2008 package not included.	1
GSC-Om-S	GSC Omnicast Standard Package which includes: Archiving support, Media Router, Audio, Camera Sequences, Camera Dewarping, Time Zone, Edge recording, trickling and archive transfer, Keyboard and Joystick Support, Max. 50 cameras, Max. 5 clients, Max. 1 Archiver	1
GSC-Om-S-1C	1 camera connection	38

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EXHIBIT B: DRJTBC ESS OVERALL SYSTEM RISER

GENERAL NOTES:

1) CISCO ROUTERS SUPPORT BOTH THE ESS AND COMMISSION ENTERPRISE SYSTEMS (E.G., EMAIL, FILE SERVERS, PHONE, ELECTRONIC TOLL COLLECTION).

2) THE COMCAST BUSINESS CONNECTION FOR REMOTE ACCESS, MODEM AND FIREWALL LOCATED AT THE NH-L TOLL BRIDGE IS THE RESPONSIBILITY (I.E. INSTALLATION, MAINTENANCE AND ACCESS COST) OF THE ESS MAINTENANCE CONTRACTOR.

FOOTNOTES:

(*) NEW SITE AS PART OF FUTURE PROJECT

WIDE AREA NETWORK SITE

EXHIBIT C: Test Procedures Template

Subsystem: *[System Under Test]* Test Case:	Date:	Test Writer:	Test No.	Revision:

1.1 Test Case *[Test ID and Test Case]*

DESCRIPTION: *[Description of the test being conducted]*					
TEST DATE:	TIME:	LOCATION:	TESTER:	RETEST?: Y/N	DISPOSITION:
APPROVED:		DATE:	CONCURRENCE:		DATE:

1.1.1 Test Objectives

Item #:	Reqmt #:	System Requirement
1.		*[List all the requirements that are being verified by the test case].*
2.		*[List all the requirements that are being verified by the test case]*
3.		*[List all the requirements that are being verified by the test case].*
4.		*[List all the requirements that are being verified by the test case]*

1.1.2 Testing Logistics

██████ Estimated Test Duration *[Estimate time taken for the test including test setup]*

██████ Equipment Needed to Support Testing *[List all the equipment needed to support testing including communications network]*

██████ Verification Tools *[List all the tools that will be used to verify the results of the test]*

██████ Testing Configuration *[If testing includes capture and printing of credentials, analytics, integration, failover, active directory]*

██████ Testing Constraints *[List all conditions that the test team needs to be aware including time constraints]*

EXHIBIT C: Test Procedures Template

Subsystem: *[System Under Test]* Test Case:	Date:	Test Writer:	Test No.	Revision:

1.1.3 **Test Setup** *[List all pre-requisites and initializations required before testing can commence. Include checklist to validate test setup is successful]*

1.1.4 **Detailed Procedures for Conducting Test** *[Document the step by step process required to test the requirements of the system being verified]*

STEP	DESCRIPTION	EXPECTED RESULTS	P/F	NOTES
1.	*[Describe each step including system login, command line scripts, shell commands etc.]*			
2.				
3.				
4.				

TEST COMPLETED?: YES/NO	TEST DURATION:	COMMENTS:

STEP	ISSUE #	DISCREPANCIES/COMMENTS
1.		
2.		
3.		
4.		