



MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor
Darrell B. Mobley, Acting Secretary • Ralign T. Wells, Administrator

TO: All Planholders
FROM: Maryland Transit Administration
SUBJECT: **ADDENDUM NO. 5**
Contract No.: MTA-1397
Homeland Security Surveillance Project Phase IV
DATE: June 17, 2013

Enclosed and effective this date is Addendum No. 5 to the subject Contract. This change does not delay the Proposal Due Date of June 27, 2013, 2:00 p.m. local time.

A conformed copy of the revised specification sections is attached. A list of the changes made to this contract is also attached to this Addendum.

The Offeror shall acknowledge receipt of this Addendum by completing and returning this form with the technical proposal.

All other terms and conditions remain unchanged.

Sincerely,

Rick Owens, Manager
Professional Services/Construction/Installation Section
Procurement Division

Acknowledgement of receipt of ADDENDUM # 5 to Solicitation #MTA-1397

Vendor Name: _____

Authorized Representative's Signature

Date

ADDENDUM NO.: 5
DATE: 06/17/13
CONTRACT NO.: MTA-1397

The following additions, deletions, and modifications are hereby made a part of the Contract Documents of Homeland Security Surveillance Project Phase IV, Contract No.: MTA-1397.

Item No.	Page	Modification
I. CONTRACT SPECIFICATIONS		
	Section 17612	Deleted 17612 1.03 A9
	Section 17612	Revisions to Part 4
	Section 01000 1.05B LD Table	Revised LD Table
II. CONTRACT DRAWINGS		
	EL 1.02 Sheet 17 of 445	Due to differing site conditions, conduits TV-102, TV-103, TVP-102 and TVP-103, and associated manholes, shown as existing shall be procured and installed by the Contractor. These changes shall be reflected in the Contractor's FDR package for College Park. In addition, the CCTV pole with cameras 101 and 102 shall be relocated based on Contractor's site surveys after award. The new location shall be shown on the Contractor's FDR drawings for College Park. A PA/LED pole has been installed in the location shown on the drawings. This pole cannot be used for cameras. A revised drawing will not be provided as part of Addendum 5. The Contractor shall provide the necessary modifications in the College Park FDR package.

SECTION 01000
SUMMARY OF WORK
PART 1: GENERAL

1.01 GENERAL

- A. The Contractor's operations shall conform to all applicable State and Local regulations.
- B. Wherever these Special Provisions refer to the Administration, they shall be understood to mean the Maryland Transit Administration (MTA). Whenever reference is made to Engineer, it shall mean the Administration representative for the contract.
- C. Submittals shall be made in accordance with SECTION 01300 Submittals.

1.02 CONTRACT DOCUMENTS: The work shall be performed in accordance with the following documents:

- A. The Solicitation Information and Instructions referred to as the Request for Proposal (RFP) (applicable to all portions of the work);
- B. General Provisions for Construction Contracts, October, 2001, issued by the State of Maryland Department of Transportation; Supplementary General Provisions and Special Provisions contained herein, issued by the Maryland Transit Administration of the State of Maryland, Department of Transportation, all contained in the Contract Specifications Book.
- C. The Special Provisions, Divisions 1 through 17; the Notice to Contractors; the List of Contract Drawings; and the various forms and exhibits; all contained in the Contract Specifications Book.
- D. The Liability Insurance Requirements; and the MTA Project Safety Plan; all issued by the Maryland Transit Administration of the State of Maryland Department of Transportation and contained in the Contract Specifications Book.
- E. AMTRAK and CXST requirements outlined within exhibits
- F. The Contract Drawings, Standard Plates and Reference Drawings, contained in the Contract Specifications Book or bound separately in the Contract Drawings Books. The Contractor shall not regard these as construction drawings.

- G. Contractor's Proposal (Technical and Financial), along with the Best and Final Offer once executed by the Contractor on behalf of the Contractor and all subcontractors.
- H. The RFP specifically required the Contractor to identify any variances between the requirements of the RFP and Contractor's proposal in a Compliance Matrix. If, at any time after the Contractor submitted the Best and Final Offer (BAFO), any discrepancies are identified between the requirements of the RFP and the Contractor's proposal that are not listed in the Compliance Matrix, then the MTA shall have the sole right to determine whether the work shall be done in accordance with the RFP or in accordance with the Contractor's Proposal. This determination shall be based on what MTA considers to be in its best interest.

1.03 CONTRACT DESCRIPTION:

- A. This Contract is for the construction/installation of Phase 4 of MTA's Homeland Security Surveillance Project (HSSP4) consisting of an Intelligent Closed Circuit TV (iCCTV) system that will provide effective surveillance of the AMTRAK, CSXT, and MTA transit properties, including stations, platforms and station sites. The Phase 4 iCCTV surveillance system builds on Phases 1, 2, and 3 Homeland Security Surveillance Project (HSSP1, HSSP2, and HSSP3) that have already been acquired by the MTA. The HSSP4 hardware, firmware, and software shall be fully compatible and equivalent to the hardware, firmware, and software that have been furnished to the MTA under the HSSP1, HSSP2, and HSSP3 Phases of the HSSP project. The HSSP4 project shall be based on existing proven technology and the use of freely available Commercial Off -The-Shelf (COTS) equipment. The HSSP4 system shall be capable of easy and cost-effective growth toward a complete MTA-wide iCCTV surveillance system.
- B. The HSSP4 project requires the same Homeland Security Surveillance system provided under HSSP1, HSSP2, and HSSP3 to be extended to cover an additional eighteen (18) sites: nine (9) MARC/Amtrak Penn Line Stations, one (1) MARC/Amtrak Camden Line Station, seven (7) Light Rail Stations and one (1) Jones Falls Outflow at Shot Tower Metro Station. HSSP4 also includes the necessary additions and modifications to the existing HSSP hardware, firmware, mapping, and software at the Police Monitoring Facility (PMF). Aralia workstations shall be provided at two remote locations: The first location will have one workstation at the MTA MARC Maintenance Shop, 2700 Eastern Blvd, Baltimore, Maryland, 21220, the second location will have two (2) workstations at MTA MARC Administrative Offices at Bush Street Division, 1515 Washington Blvd. Baltimore, Maryland 21230; removal of MARC existing analog cameras and associated equipment, where required; contractor's FDR, testing, and training; and a new HVAC unit at Perryville ticket office if determined necessary by Contractor during final design.

C. HSSP installation sites are as follows:

Metro Subway Station

Jones Falls Outflow at Shot Tower Metro Station

Light Rail Stations:

University of Baltimore/Mount Royal

University Center / Baltimore St.

BWI Airport Station

Cherry Hill Station

Westport Station

Lexington Market

Centre Street

MARC/Amtrak Penn Line Stations:

Aberdeen

Edgewood

Martin State Airport

Baltimore Penn Station

West Baltimore

Halethorpe

Bowie State

Perryville

Seabrook

MARC/Amtrak Camden Line Station:

College Park

PMF: Police Monitoring Facility 4100 Mt. Hope Drive.
Baltimore, MD

D. This SP provides for:

- System hardware, firmware, mapping, and software design, including camera siting surveys and verification of video coverage.
- Procurement, installation, configuration and testing of all necessary systems, hardware, software, and components.
- Installation of iCCTV components at AMTRAK, CSXT and MTA locations.
- Integration of Contractor-installed cameras at Amtrak, MARC and MTA stations with existing HSSP software suite.
- Removal of selected existing analog cameras and components at specified MARC stations.
- Contractor's Installation and station Layout Plans.
- Three workstations for Multi-casting of MARC station cameras for the replaced existing analog and new HID cameras.

- Flagging and railroad workers protection required for Amtrak, CSXT, and MTA sites.
 - Manuals, training, aids, and spare parts.
 - Testing and Acceptance testing of all installed components and systems/subsystems.
 - Contractor shall determine if the existing HVAC unit at the Perryville MARC Station ticket office is adequate to handle the extra BTUs generated by the new equipment to be installed inside this room. If not, the contractor shall upgrade the existing HVAC equipment as part of this scope of work.
 - Provision of acceptance warranty terms.
- E. The Phase 4 HSSP CCTV surveillance system shall be provided as a single prime Contractor turn-key project. Appropriate MBE participation is a requirement of the procurement.

1.04 DELIVERABLE SCHEDULE

A. CONTRACT DOCUMENTS REQUIREMENTS LIST (CDRL)

The scheduled due dates for CDRL submittals are as required in Table 1.05 of this section, or as otherwise stated in the Contract documents. Inadvertent omission of required data by the MTA from the table shall neither eliminate the requirement nor cause an extension of time for performance. Submittal items and dates shall be incorporated in the Contractor's schedule. Days are calendar days.

CDRL #	Section	Title	Submittal/Milestone Due Dates (working days)
1	01000	Contractor's Representative	NTP + 5 days
2	01300	Proposed Product List	NTP + 10 days
3	01450	Interim CQC Plan	NTP + 7 days
4	01450	Detailed CQC Plan	NTP + 30 days
5	17612	Copy of Purchase Order Agreement	NTP + 14 days
6	17114	Final Design Review	NTP + 45 days
7	01360	Safety, Health and Substance Abuse Program	Contract Award + 30 days
8	01300	Progress Schedule	20 days after NTP
9	01300	Monthly Progress Schedule Updates	7th day of each Month
10	01300	Time Impact Analysis	30 days after delay
11	17612	Installation, Transition and Migration Plan	30 days prior to installation at PMF
12	17125	Test Plan	NTP + 60
13	17125	Test Procedures	With Test Plan
14	17125	Acceptance Test Procedure (ATP)	21 days before Acceptance Test
15	17114	Detailed Site Installation Plans	With FDR
16	01300	Shop and Working Drawings	21 days in advance of construction

			60 days in advance if CSXT / AMTRAK approval required
17	17114, 17612	Additions to PMF Software.	With FDR
18	17125	Police Monitoring Facility Acceptance Report.	No later than 21 days after completion of Acceptance Test.
19	17125	Test Result Reports	5 days after Test
20	17125	Acceptance Test Report	14 days after completion of each site
21	17114	As-Built Check List	10 days after completion of each site
22	01300	Construction Photographs	Ten per month
23	01450	Source of Material Notification	30 days prior to usage
24	17612	Discrepancy Log	Monthly
25	17114	Master Interface Control Document	With FDR
26	17612	Discrepancy Resolution Report	Monthly
27	17125,17114	University of Baltimore / Mt. Royal Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
28	17125,17114	University Center / Baltimore St. Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
29	17125,17114	Westport Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
30	17125,17114	Cherry Hill Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
31	17125,17114	BWI Airport Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
32	17125,17114	Lexington Market Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
33	17125,17114	Centre Street Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
34	17125,17114	Perryville Marc Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
35	17125,17114	Aberdeen Amtrak/Marc Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
36	17125,17114	Edgewood Marc Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
37	17125,17114	Martin State Airport MARC Station Acceptance Report and "as-built"	No later than 21 days after completion of Acceptance Test.

		drawings.	
38	17125,17114	Baltimore Penn Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
39	17125,17114	West Baltimore Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
40	17125,17114	Halethorpe Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
41	17125,17114	Bowie State University Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
42	17125,17114	Seabrook Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
43	17125,17114	College Park Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
44	17125,17114	Jones Falls Outflow at Shot Tower Metro Subway Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
45	17630	Scope of Manual Revisions	30 days after FDR
46	17630	CD copies of Manuals.	90 days after FDR
47	17630	Training Plan	90 days after FDR
48	17630	Training Materials	30 days before start of training.
49	17650	Warranties	At least 30 days before start date at each station
50	17640	Delivery of Spare Parts	With completion of first station
51	17125	Completion of On Line System Performance Testing	May 31, 2015
52	17125	Final Acceptance Report	June 30, 2015

B. MILESTONE DATES

- a) The start date of contract performance shall be as stipulated in the NTP, unless otherwise specifically agreed by the MTA.
- b) The following milestone dates are proposed. Days are calendar days unless otherwise noted.

Table 2.4.1 Milestone Dates		
Deliverable	Item Description	Milestone

-	Issuance of NTP	NTP + 0 days
1	Interim CQC Plan	NTP + 7 days
2	Detailed CQC Plan	NTP + 30 days
3	Final Design Review (FDR)	NTP + 45 days
4	Acceptance of PMF	NTP + 180 days
5	Acceptance of University of Baltimore / Mt. Royal Light Rail station	May 31, 2015
6	Acceptance of University Center/ Baltimore St. Light Rail station	May 31, 2015
7	Acceptance of Westport Light Rail station	May 31, 2014
8	Acceptance of Cherry Hill Light Rail station	May 31, 2014
9	Acceptance of BWI Airport Light Rail station	May 31, 2014
10	Acceptance of Lexington Market Light Rail station	May 31, 2014
11	Acceptance of Centre Street Light Rail station	May 31, 2014
12	Acceptance of Perryville MARC station	May 31, 2014
13	Acceptance of Aberdeen Amtrak/ MARC station	May 31, 2015
14	Acceptance of Edgewood MARC station	May 31, 2015
15	Acceptance of Martin State Airport MARC station	May 31, 2015
16	Acceptance of Baltimore Penn Station Amtrak/ MARC station	May 31, 2015
17	Acceptance of West Baltimore MARC station	May 31, 2015
18	Acceptance of Halethorpe MARC station	May 31, 2015
19	Acceptance of Bowie State University MARC station	May 31, 2015
20	Acceptance of Seabrook MARC station	May 31, 2014
21	Acceptance of College Park MARC station	May 31, 2015
22	Acceptance of Jones Falls Outflow at Shot Tower Metro Subway station	May 31, 2014
23	Final O&Ms	April 30, 2015
24	Training Materials	30 Days Prior to 1 st Scheduled Training
25	Warranties Delivered	At time of Station Acceptance
26	Completion of On-Line Demonstration Testing	May 31, 2015
27	Delivery of Final Acceptance Test Report	June 30, 2015

1.05 COMPLETION TIME AND LIQUIDATED DAMAGES:

- A. Pursuant to General Provisions Articles GP-8.02 and GP-8.03, commence work on or before the date specified in the Notice to Proceed (NTP) and complete the specified portions of the work within 665 calendar days or 22 months.
- B. In the event that the Contractor fails to complete the specified work within the specified number of days after Notice to Proceed, with the exception of extensions granted by change order, liquidated damages in the amount of \$1,240.00 will be assessed pursuant to General Provisions Article GP-8.09 for each calendar day the completion of the specified work is delayed. The

Contractor shall pay to the Administration the applicable amount specified and pursuant to General Provisions Article GP-8.09 as liquidated damages for every additional calendar day in excess of the number of days prescribed. The Administration may deduct the sum of liquidated damages from any monies due or that may become due the Contractor under the Contract, or if such monies are insufficient, the Contractor or sureties thereof shall pay to the Administration any deficiency within 30 calendar days.

WORK ITEM	Completion	LIQUIDATED DAMAGES PER CALENDAR DAY
Acceptance of the following locations: <ul style="list-style-type: none"> • Westport Light Rail station • Cherry Hill Light Rail station • BWI Airport Light Rail station • Lexington Market Light Rail station • Centre Street Light Rail station • Perryville MARC station • Seabrook MARC station • Jones Falls Outflow at Shot Tower Metro Subway station 	May 31, 2014	\$1,240.00
Acceptance of the following locations: <ul style="list-style-type: none"> • University of Baltimore / Mt. Royal Light Rail station • University Center/ Baltimore St. Light Rail station • Aberdeen Amtrak/ MARC station • Edgewood MARC station • Martin State Airport MARC station • Baltimore Penn Station Amtrak/ MARC station • West Baltimore MARC station • Halethorpe MARC station • Bowie State University MARC station • College Park MARC station 	May 31, 2015	\$1,240.00

1.06 COMPLETION TIME AND OTHER SCHEDULE REQUIREMENTS:

- A. Pursuant to Article GP-8.03 of the General Provisions, commence work on or before the date stipulated in the Notice to Proceed (NTP) and complete the entire work within the number of calendar days specified in 1.06 above.
- B. Other schedule requirements are given in Section 01300 Submittals.

1.07 CONTRACTOR REPRESENTATIVES:

- A. Designate in Writing within five (5) days after receiving the Notice to Proceed (NTP), the name, official mailing address and telephone number of the Contractor's representative having complete authority to represent and to act for the Contractor. (CDRL#1)

1.08 LIABILITY INSURANCE REQUIREMENTS:

- A. MTA has chosen to provide Workers' Compensation, General Liability, Excess Liability, Builders Risk, Pollution Liability and Railroad Protective coverage on behalf of contractors and subcontractors working on this project. This approach to project insurance is commonly called a wrap-up or owner controlled insurance program (OCIP). Specific information regarding Liability Insurance Requirements is contained in the Contract Specification Book. (See Table of Contents for location of this information.)
- B. Contractors and subcontractors are to **bid work for this project net of insurance (i.e. , The Cost of Workers' Compensation, General Liability, Excess Liability, Builders Risk, Pollution Liability and Railroad Protective applicable to the work site is not be to included in the bid price)**. All bidders must complete the Insurance Premium Worksheet and forward to MTA with the rest of your bid package. The Premium Worksheet is included in the bid package as form I, Exhibit A. This form should include the Contractor's work as well as the work of all subcontractors included in the initial bid. The insurance premium shown on this form, or the pro rata portion thereof, will be added to the base bid in the event you are excluded from the wrap-up program or the program is terminated mid-term.
- C. Amtrak and CSXT Requirements.

1.09 PAYMENTS TO CONTRACTORS

- A. By submitting a response to this solicitation, the Bidder agrees to accept payments by electronic funds transfer unless the State Comptroller's Office grants an exemption. Specific information regarding electronic funds transfer requirements and how to register for it are contained in the

Contract Specification Book (See Table of Contents for location of this information.)

1.10 CONTINGENT ITEMS:

- A. Construction items for which quantities are listed in the Unit Price Schedule as "Contingent" are established for the purpose of obtaining bids on one or more pay items that may be incorporated into the project.
- B. The Engineer will have sole discretion in determining whether and to what extent these items will be incorporated into the project. The Engineer may order these items to be used at any location within the project and anytime during the work. In most cases contingent items will not be shown on the Plans. The estimated quantities specified in the Unit Price Schedule for these items are presented solely for the purpose of obtaining a representative bid price. The total of actual quantities required for the construction may be only a fraction of, or many times the estimated quantity. The requirements of GP-4.04 (Variations in Estimated Quantities) shall apply.

1.11 ADMINISTRATION FURNISHED PRODUCTS:

- A. Contractor parking will be provided at those MTA premises where on-site parking is available.
- B. An appropriate Person Identification badge will be issued by the Maryland Department of General Services (DGS) to those Contractor personnel who will be required to make frequent visits to MTA property. The MTA will coordinate the issuance of these badges. Contractors are advised that a signed application for each person is required together with a signed Authorization of Release of Information. A photograph will be taken by the DGS, a background check completed, and a fee of \$50.00 is required.
- C. Contractor or sub-contractor personnel who need to enter the right-of-way or track areas of the METRO, Light Rail, or MARC systems are required to attend an appropriate MTA Safety Training Course. Details of these courses will be made available to the Contractor after contract award.
- D. The MTA will allow the Contractor to enter the right-of-way or track areas of the METRO and/or Light Rail systems only after prior coordination and prior approval by the MTA. The MTA will provide any necessary safety or security escorts. Details of these escort requirements will be made available to the Contractor after contract award. The selected contractor will be required to attend a weekly escort and red tag meetings for Metro and Light Rail and MARC transit systems.

- E. Contractor and/or subcontractor personnel who need to enter the right-of-way or track areas of the Amtrak/MARC or CSXTMARC systems are required to attend an appropriate Safety Training Course. Details of these courses will be made available to the Contractor after contract award. In addition, Amtrak and CXST railroad worker's protection (flagging) will be required to enter right-of-way, station areas, and associated property at the expense of the contractor. The Contractor and/or subcontractor shall be required to sign and agree to all terms and conditions indicated in the Amtrak and CSXT requirements.
- F. The entire MTA iCCTV security system is subject to the requirements of the Homeland Security Act, and dissemination of the actual characteristics and capabilities of the system should be avoided to the greatest extent possible. Detailed information should be made available only on a "need to know" basis. Project documentation that includes sensitive information must include the following notice:
- "WARNING: This document may contain Sensitive Security Information that is controlled under 49 CFR Part 1520. Should it be determined that this document or any part thereof are indeed controlled under 49 CFR 1520, no part of this document should be released to any persons without a need to know, as defined in 49 CFR 1520, except with the written permission of the Administrator of the Transportation Security MTA, Washington, D.C. Unauthorized release may result in civil penalty or other action. For U.S. Government Agencies, public release is governed by 5 U.S.C 552."
- G. Section 1.13.H of this SP contains information on the personnel security requirements that pertain to the iCCTV surveillance project.

PART 2: PRODUCTS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.01 SUMMARY OF WORK:

- A. The work required under this Section will not be measured for payment.

- B. All costs in connection herewith will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

END OF SECTION

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SECTION 17612**SOFTWARE MODIFICATIONS****PART 1 - GENERAL****1.01 DESCRIPTION:**

This Section states the work effort and responsibilities associated with the addition of the eighteen (18) new HSSP sites into the existing software suite located at the Police Monitoring Facility (PMF).

1.02 CONTRACTOR RESPONSIBILITY.

- A. All software work performed within the PMF shall be conducted by, or under the supervision of, the HSSP software developer and vendor, Aralia Systems, Inc. of Horsham, England (Aralia). The contact point for Aralia is:

Aralia Inc.,
Attention: Mr. Robert Norrington,
1 North Charles Street, Suite 302
Baltimore, MD 21201
Telephone: 443 692 3597
Cell: 917 826 2147
Email: RNorrington@triremesystems.com

- B. The Contractor shall, prior to submitting a quotation in response to this specification, enter into a non-disclosure agreement with Aralia. A copy of the non-disclosure agreement shall be furnished along with the quotation.
- C. The Contractor shall request Aralia to provide a Firm Fixed Price Bid for the work described in this Section 17612. This Aralia Bid shall be the basis for the Contractor's Bid Price for that particular Line Item in the Price Proposal.
- D. Promptly upon the receipt of a Notice To Proceed (NTP) the Contractor shall enter into a Purchase Order Agreement, or similar suitable document, with Aralia, and furnish a copy of that document to the MTA within thirty (30) calendar days of receipt of the NTP (CDRL#5).
- E. The MTA will furnish the Contractor with a written acceptance of the copy of the Purchase Order Agreement, or similar suitable document, to the Contractor within ten (10) calendar days.
- F. The inability of the MTA to furnish a written acceptance of the Purchase Order Agreement, or similar suitable document, because of any cause of the Contractor, may, at the sole discretion of the MTA, invoke the Completion Time and

Liquidated Damages clause of this Specification, SECTION 01000, Paragraph 1.05.

- G. The Contractor shall provide all hardware and configuration required to network designated MTA transit locations to the Police Monitoring Facility (PMF) via the MDOT Gig-E network. Any modifications required for monitoring iCCTV shall be included.
- H. The Contractor shall setup and install Aralia software and any other required 3rd party software. In addition, Contractor shall configure and test the system.
- I. Aralia software shall be provided with limited, non-exclusive, nontransferable license for executable code license. Licenses shall be provided for any 3rd party software required.
- J. The Contractor shall provide Aralia client workstations for viewing iCCTV camera feeds at the following sites:
 - 1. MARC Administration Office, Control Center & Equipment Room, 1515 Washington Blvd., Baltimore, Maryland 21230
 - 2. MARC Maintenance Shop, 2700 Eastern Blvd, Baltimore, Maryland 21220
- K. The Contractor has responsibilities at the PMF including but not limited labor, installation of equipment, hardware & software integration and modifications. However, in conjunction with the software provider, Aralia Ltd., of Horsham England, the Contractor shall provide the MTA with a list of the proposed list of additions to the PMF that Aralia intends to install. This list shall be provided at Contractor's Installation Plan (CDRL#6).
- L. The Contractor shall develop a proposed Installation, Transition, and Migration Plan, describing and illustrating the steps that shall be taken to install the new Phase 4 HSSP sites into the existing Aralia System. The plan shall also address means of reverting to previous software build should it be needed. Regression testing shall be required for each build and shall be witnessed by MTA. This testing shall be included in the Migration plan. The plan shall be presented for review and approval by the MTA, thirty (30) days prior to installation at PMF (CDRL#11).
- M. The modification, alteration, addition or changes to the existing software and display facilities at the PMF shall only be undertaken by, or under the advice and consent, of representatives of the software manufacturer, Aralia Ltd., of Horsham England. Prior to installation of any modifications, the Contractor shall copy the current configuration and give electronic copy to MTA for storage to be used in the event a retrograde or retrofit to previous configuration is needed.

1.03 DISCREPANCY RESOLUTION:

- A. The Contractor shall keep track and pursue resolution of all discrepancies, including software bugs, in a timely manner as required below:
1. Discrepancies/bugs shall be classified in 3 categories and assigned a priority for resolution. The priority shall be assigned by the Administration designated Test Engineer to all discrepancies after testing any subsystem, station, device and/or system. The list below relates the discrepancy categories with resolution priority and times for resolution for online/operational equipment/software:
 - a. Critical, Priority 1 – 4 hours for resolution from identification: These discrepancies may cause instability, improper operation, may not provide enough or may provide confusing information that could cause an accident or damage to a device, subsystem or system.
 - b. Major, Priority 2 – Per agreement between the Administration and the contractor, depending on severity, however shall never exceed 1 natural month for resolution: Discrepancies which do not cause instability or incorrect operation, however these provide erroneous non-critical information or annoyance.
 - c. Minor, Priority 3 – 2 natural months for resolution: These discrepancies are of cosmetic nature and do not interfere with operations.
 2. All discrepancies shall be logged in a Discrepancy Log (CRDL #24). Time for discrepancy resolution shall start counting from the time and date the discrepancy was noted in the Discrepancy Log.
 3. Any issues or discrepancies noted or reported directly to Aralia by the Client shall be noted in the Discrepancy Log maintained by the Contractor. Such issues or discrepancies shall be classified as described above. As Aralia works closely with MTA Police, such direct communication will be frequent and common. Aralia shall be responsible for documenting all client interactions.
 4. Closing of discrepancies on the discrepancy log, regardless of whether the bug was generated internally by the Contractor or by the customer, shall be witnessed by the Engineer.
 5. Discrepancy Log reports shall be submitted at least once monthly. However the Contractor shall be required to submit Discrepancy Logs within 2 business days upon request at any time during construction.
 6. Testing for problem resolution shall be conducted monthly, after the initial FAT for the system for which discrepancies are generated.

7. During construction, hardware/interface incompatibilities among devices, subsystems and systems shall be tracked and solved by the System Integrator.
8. Unless otherwise specified, no device, subsystem, software build or system can enter live operation with unresolved discrepancies Priority 1.
9. Software failures that do not cause downtime, but cause fail-overs to redundant backup processes or processes that restart more than once in a period of 120 days, shall be considered unstable and as a discrepancy of Priority 1.
10. Discrepancy Resolution Report (CDRL#26) shall contain the name of the person who identified the discrepancy, the date when the bug was noticed, a description of the problem in plain (non-technical English), name of the person who identified the cause of the problem, plain English explanation of the rationale for the problem and the name and the signature of the person stating that the discrepancy has been fixed.
11. Discrepancy log shall be submitted no later than 5 days after a test is conducted. The log shall contain all the signatures of the tester, the auditor, and the Administration designated test engineer.

PART 2 - PRODUCTS

2.01 DESCRIPTION:

Aralia shall be tasked to provide two areas of work and effort, as needed to integrate the eighteen (18) Contract sites into the existing HSSP system:

- A. Work or effort expended within the PMF.
 1. The Products to be obtained from Aralia shall be as described in the Firm Fixed Price Bid, as received by the Contractor, and shall include, but not be limited to, the following:
 - a. Entry of the details of the equipment and systems deployed at the eighteen (18) Contract sites into the administrative data base of the HSSP system.
 - b. Modifications or additions to the HSSP display maps on HSSP monitoring consoles in accordance with the procedures and layouts established for previous HSSP sites.
 - c. Establishment of appropriate incident boundaries and other alarm triggers as appropriate to each of the eighteen (18) Contract sites.
 - d. Any other software additions or modifications required to smoothly integrate the operation of the eighteen (18) Contract sites into the existing HSSP system.

- e. Should HSSP Phase IV include necessary operational modifications or enhancements to the existing software, those modifications and enhancements shall be applied to Phases I, II and III under this contract.
2. The efforts that Aralia will provide within the PMF shall be:
 - a. Assistance and support during Station Equipment Acceptance Tests, Station Acceptance Tests, On-Line Demonstration Tests, and any other tests required to verify performance of the installed HSSP system at the remote eighteen (18) Contract sites.
 - b. Remedial actions, as required from time to time, to support software failures or abnormalities caused by the addition of the eighteen (18) Contract sites to the HSSP system. These actions include activities associated with warranty repairs.
 - c. The integration of remote workstations provided under this contract into the existing HSSP system.
 - d. The remote workstations shall be configured to receive only video from existing MARC cameras integrated into the HSSP System.
- B. Work or effort expended outside the PMF.
1. Assistance to the Contractor in establishing the fields of view and other details appropriate to the final decisions relating to camera sitting at each of the eighteen (18) Contract sites.
 2. Assistance to the Contractor in the issuance of the final Site Installation Plans described in SECTION 17114.
 3. Assistance to the Contractor, as required, in the final alignment, focusing, and set up for each of the cameras installed (or utilized) at each of the eighteen (18) Contract sites.
 4. Assistance to the Contractor, as required, to integrate remote workstations provided under this contract.

PART 3: EXECUTION - NOT USED

PART 4: MEASUREMENT AND PAYMENT

- A. The work required under this Section will be paid through lump sum bid item 28.

END OF SECTION

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MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor
Darrell B. Mobley, Acting Secretary • Ralign T. Wells, Administrator

TO: All Planholders
FROM: Maryland Transit Administration
SUBJECT: **ADDENDUM NO. 4**
Contract No.: MTA-1397
Homeland Security Surveillance Project Phase IV
DATE: June 7, 2013

Enclosed and effective this date is Addendum No. 4 to the subject Contract. This change does not delay the Proposal Due Date of June 27, 2013.

A conformed copy of the revised specification sections is attached. A list of the changes made to this contract is also attached to this Addendum.

This Addendum does revise drawings for this contract. Please email me with your company's name and mailing address at ROwens@mta.maryland.gov if you would like a copy of the revised Addendum No. 4 CD drawings mailed to you. **When you email the request for the CD, please also attach an executed copy of the Non-Disclosure Agreement (NDA) that is attached to this Addendum. Requests without the NDA will not be granted.**

The Offeror shall acknowledge receipt of this Addendum by completing and returning this form with the technical proposal.

All other terms and conditions remain unchanged.

Sincerely,

Kick Owens, Manager
Professional Services/Construction/Installation Section
Procurement Division

Acknowledgement of receipt of ADDENDUM # 4 to Solicitation #MTA-1397

Vendor Name: _____

Authorized Representative's Signature

Date

ADDENDUM NO.: 4
DATE: 06/07/13
CONTRACT NO.: MTA-1397

The following additions, deletions, and modifications are hereby made a part of the Contract Documents of Homeland Security Surveillance Project Phase IV, Contract No.: MTA-1397.

Item No.	Page	Modification
I. CONTRACT SPECIFICATIONS		
	Section 1 RFP 2 RFP 11	<ul style="list-style-type: none"> • Replace “Contractor’s Installation and Station Layout Plans” with “Contractor’s Final Design Review (FDR)” • Revised proposal due date
	Section 3 3.3.17	<ul style="list-style-type: none"> • Delete “PDR- Preliminary Design Review” RFP-34 • Revise language under 3.3.17 to “described elsewhere in this RFP and in the Special Provisions”
	Section 3 RFP-34	Revise to read: “The warranty period for each station (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT) for that station.”
	SP Section 01000	<ul style="list-style-type: none"> • Revised reference to “Contractor’s Installation Plan(s)” with “Final Design Review (FDR)” on pg. SP 62 • Revised Table 1.05 Contract Documents Requirement List – Changed Items 6, 15, 17, 25, 45, 46 and 47 • Revised Table 2.4.1 Milestone Dates – Changed Item 3 • 1.03 D – Delete requirement for integration of existing analog cameras at MARC Stations
	Section 01300	Add Project Wise requirements to 1.01A and 1.04 A2, pages SP-87 and SP-93, respectively.
	Section 16124	Add to 2.07B as follows: The minimum battery backup time shall be 15 minutes at full load. Contractor shall confirm that batter backup is long enough to allow successful shutdown of connected servers at each location.
	SP Section 17114	Replaced in its entirety
	SP Section 17125	Revise 3.03C SP-359 to: The warranty period for each station (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory

		completion of the 30 Day Operational Test (30DOT) for that station
	SP Section 17630	Revised reference to “Contractor’s Installation Plan(s)” with “Final Design Review (FDR)” on pgs. 386 & 387
	SP Section 17640	Revised reference to “Contractor’s Installation Plan(s)” with “Final Design Review (FDR)” on pg. 388
	SP Section 17650	1.03B Change to read “The warranty period for each station (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT) for that station.”
	Attachment 1	Added Line Item 006A on PPF 47, revised Price Proposal due date, removed “Contract Financial Proposal Sheet”, added language on PPF49 about breakdown of lump sum requirements
	Attachment 28	Removed in its entirety
	Attachment 30	NEW – Non-Disclosure Agreement
II. CONTRACT DRAWINGS		
1	Appendix A	Replaced in its entirety, ALL contract drawings have had PE stamp removed

This Addendum does revise drawings for this contract. Please email the Procurement Officer with your company’s name and mailing address at ROwens@mta.maryland.gov if you would like a copy of the revised Addendum No. 4 CD drawings sent to you. When requesting the CD, please also attach the Non-Disclosure Agreement (NDA) that is attached to this Addendum. Requests without the NDA will not be granted.

Any answer to Contractor’s Questions are attached.



**PROJECT: MTA-1397 - Homeland Security Surveillance Project Phase IV
REQUEST FOR PROPOSAL - QUESTIONS / RESPONSES**

No.	Spec. Page #, Section & Para #	Question	PO/PM	Response to Question
1	SGP 10.10	Are certified payrolls required for professional services under the contract?	PM	No
2	01000 1.03 D & Appendix A	<i>Integration of existing analog and new HID cameras at Amtrak, MARC and MTA stations and existing HSSP software suite.</i> There are no existing analog cameras referenced on the video coverage drawings, but on the demolition plan drawings for each station it states EXISTING ANALOG CAMERAS IN PARKING LOT AND INSIDE STATION BUILDING TO REMAIN. If there are any existing analog cameras to be integrated into the HSSP system under this contract, which cameras on the Demolition Drawings are to be added and what make and model are they?	PM	No existing analog cameras will be integrated into the new HSSP system. As stated on the demolition plans, existing analog cameras providing coverage on the platform are to be removed and existing cameras providing coverage to the parking lot and inside station buildings are to remain connected to the current analog system. Delete requirement for analog camera integration in 01000 1.03D.
3	RFP 34 - 3.3.19, 17650 1.03 B 2, & 17125 3.03 C	Warranty - There are three different separate section defining when warranty commences. Which is correct under this contract? (1) RFP 34 - 3.3.19 - <i>The warranty period for the HSSP Phase IV project (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT).</i> (2) 17650 1.03 B 2 - <i>The warranty period for all Contractor-provided software shall extend to twelve (12) months after completion of the On Line Demonstration Test as described in SECTION 17125.</i> (3) 17125 3.03 C - <i>Warranty period shall begin after the completion of the Station Field Installation Acceptance Testing at each site.</i>	PM	The warranty period for each station (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT) for that station.
4	17125 3.04	<i>The On-Line System Performance Test shall not be scheduled and performed until after acceptance has been completed at each individual site. The On-Line System Performance Testing shall be designed to test the system as fully loaded with the addition and operation of all Phase IV stations. For clarification is the 30 DOT Online test to start after completion of Station Field Acceptance Testing (SFAT) at each individual Station or only once after completion of all 18 SFAT's?</i>	PM	The full on-line system performance test shall be performed after all stations are on line and functional. This is to test the fully loaded system. Each station shall also have a 30-DOT test. After successful completion of individual station 30-DOTs, the warranty period for that station shall start.
5	MISC – Items from previous phases	During previous phases, the MTA requirements included a minimum of 2 servers at each station, is it the intention of the MTA to maintain this policy?	PM	Yes
6	MISC – Items from previous phases	Is it the intention for the MTA to require a copy of the software used under this contract to be placed into Escrow with Iron Mountain as per previous phases?	PM	Yes
7	SGPs and GPs	The Supplementary General Provisions -Construction Contracts reference General Provisions that are not part of this RFP. Additionally, General Provisions-Purchasing are included in this RFP. Which General Provisions apply?	PO	Procurement GPs apply. Use Section 00100 in lieu of Construction SGPs. Supplementary General Provisions - Construction Contracts shall be deleted from the RFP.
8	IR-90	Attachment 8 "Liability Insurance Requirements" contains the term "Construction Manager". This term is not defined in the RFP. Please provide the definition and identify this party	PM	As regards Attachment 8, the term Construction Manager shall mean the MTA's Resident Engineer assigned to the Project once awarded and under Construction.

9	RFP 31-32	On Addendum Number 1, Contract No. MTA-1397 page RFP-31 and RFP-32 are missing from the posted document. Could you please forward at your earliest convenience?	PO	The changes were made to pages 30 and 33. This should clarify any ambiguities.
10		Will site walk throughs be offered?	PM	Site visits were held per Addendum 2.
11	Buy America Requirements	Buy America Clause – What about Sony cameras?	PM	Yes, through the GSA J version clause.
12		Is there an existing Supervisor Manual? – or will we create together with MTA?	PM	Yes. However, it shall be the responsibility of the contractor to provide revisions to include Phase IV work. Please reference section 17630 for details.
13	RFP Sect 3.4	3.4 appears twice in “Proposal Format” section	PO	Please see changes in section 3.4.1
14	Section 3, 3.3.17	Section 3, 3.3.17 PDR & CDR are referenced however there is no deliverable referenced in Section 01000 1.04. In addition, on the Video Coverage drawings it states the CONTRACTOR SHALL FIELD VERIFY ALL PROPOSED CAMERA LOCATIONS FOR PHYSICAL CONFLICTS AND VISUAL OBSTRUCTIONS WITH THE EXISTING SITE CONDITIONS. Is there a design element with a Deliverable as part of this contract? If there is no design element of this contract will MTA take responsibility for any and all issues that may arise due to the design errors related to the drawings provided?	PM	3.3.17 references PDR and FDR not PDR and CRD. FDR requirements are detailed in this Addendum 4 through modification to Section 17114. PDR is not required.
15		What is the minimum requirement for financials provided?	PM	There is no minimum requirement.
16	Configuration Management / Document Management	Configuration Management/Document Management (i.e. Maximo, SAP) - What system is used by MTA to control the creation, revision, reviews and approvals of configuration documents and other program documents? Is there a preferred program for contractors?	PM	The Configuration Management requirements in the RFP (Section 3, 3.3.18) require the contractor to maintain tracking and document control for all project documentation. For this Contract, the contractor will be required to track and control all project documentation to ensure that all updates to project documentation are carried forward with subsequent revisions and that all documents and correspondence can be uniquely identified. Software changes shall be tracked and documented similarly. MTA uses Bentley ProjectWise for document control and storage. When printed copies of submittals are delivered to the Administration, an electronic copy of the submittal in .pdf format shall be posted on the MTA ProjectWise server. Once the submittal has been approved, an electronic copy of the submittal in native format (the format in which the document was originally prepared) shall also be posted on the MTA ProjectWise server. All Contract Design Drawings and Shop and Working Drawings shall be prepared using the current version of Bentley Microstation and shall be created and maintained using the managed workspace within ProjectWise on MTA's ProjectWise server. Contractor shall be required to purchase a ProjectWise license for document distribution and storage.

17	Work Control	Work Control - what system (i.e. Maximo, SAP) does the MTA use to plan, review, approve and complete work?	PM	Submittal requirements are described in Section 01300. All documents shall be maintained and uniquely identified. ProjectWise shall be used for drawing development and final document storage. Project documentation is submitted for review and approval per Section 01300 to MTA assigned Office engineer for distribution as necessary.
18	Material Control / Warehousing	Material Control/Warehousing - What system is used to manage/control parts and inventories? Where is it stored and could a controlled area be used to store/issue parts and equipment for the project?	PM	The contractor is responsible for all storage of equipment associated with the RFP.
19	Records Management	Records Management - What system/software (i.e. Documentum, Filenet) is used to receive, review and store completed documents?	PM	MTA uses Bentley ProjectWise for document control and storage. When printed copies of submittals are delivered to the Administration, an electronic copy of the submittal in .pdf format shall be posted on the MTA ProjectWise server. Once the submittal has been approved, an electronic copy of the submittal in native format (the format in which the document was originally prepared) shall also be posted on the MTA ProjectWise server. All Contract Design Drawings and Shop and Working Drawings shall be prepared using the current version of Intergraph Microstation and shall be created and maintained using the managed workspace within ProjectWise on MTA's ProjectWise server.
20	Engineering Drawings	Engineering Drawings – What is the format of the approved drawings, etc. What is the preferred software used to modify/create?	PM	MicroStation
21		May contractors have access to the following MTA policies/procedures? a. System Safety b. Health and Safety c. Quality Assurance and Control d. Configuration Management e. Work Management f. Document Control g. Records Management	PM	a. System Safety.... Provided in the RFP b. Health and Safety....Provided in the RFP c. Quality Assurance and Control....Requirements in Section 01450 of RFP d. Configuration Management.....Yes with Addendum 4 e. Work Management..... Per RFP Section 01300, Section 01310 and work as described throughout the RFP f. Document Control..... Yes with Addendum 4 g. Records Management..... ProjectWise shall be used for drawing development and final records management.
22		What is the desired or current Frequency of status reports?	PM	Bi-weekly
23	3.3.11 Compliance Matrix	3.3.11 Compliance Matrix. Clarify what qualifies as a "specification paragraph."	PM	Each exception or compliance shall be clearly identified by location within the RFP Documents by citing the specific section and paragraph. A paragraph shall be any part of a numbered specification sections that identify unique requirements pertaining to that numbered section.
24	3.3.17 Documentation	3.3.17 Documentation. What are and where are the referred sections? The technical proposal shall detail the approach to delivery of the documents listed below and detailed in the "Design Documentation," "Operating Documentation" and "Training" sections including...	PM	This section shall be revised to read "The technical proposal shall detail the approach to delivery of the documents listed below and as described elsewhere in this RFP and in the Special Provisions."
25		Which BWI station? Business or other?	PM	BWI Thurgood Marshall Airport BWI Light Rail Station.

26		FAT needed for every site? This could be an opportunity to save cost/time...	PM	A single FAT is acceptable if all hardware and software components to be used throughout the Phase IV project are successfully tested during the first FAT. Administration shall reserve the right to request additional FATs if all components do not successfully pass testing or if subsequent issues arise as FIATs occur.
27	Section 3.3.9	Section 3.3.9 – DBE requirement 20 or 25%?	PO	DBE Requirement is 25%
28		For all official/numbered forms that require submittal as part of an Offeror's bid, will the MTA distribute editable formats of these documents or should the Offeror recreate the forms to the best of its ability?	PO	Information should be handwritten in the forms provided in the RFP.
29		All questions below relate directly to the Price Proposal Form (PPF) 50 within Attachment 1 of Addendum No. 1: a. There is no line item for material as a cost element in the PPF. Should material costs be furnished as a part of the PPF (or the Contract Financial Proposal) and if so, where? b. * References itemization on the second page of the form but none appears to be provided. Can the Offeror create this itemized format?	PM	Remove the form on BF50.
30		** References a Metro Form. Is this the Subcontractor Utilization Form (SUI 110, 111)? If not, what form is required?	PO/PM	Remove the form on BF50.
31		Where should we address the requirements found in the Special Provisions section? According to the instructions, the Detailed Technical Proposal does not include the SP's. Should we address them in each site plan, as applicable, not in the DTP?	PM	The contractor shall address the requirements of the Special Provisions in the Detailed Technical Proposal.
32		In the excerpt below, we are instructed to construct our DTP in "the format and order below," but there is not format nor list after this statement. Is something missing, or was this just supposed to mean "in the order below." 3.3.10 Detailed Technical Proposal The Offeror shall submit a comprehensive Detailed Technical Proposal in the format and order described below. Review and specifically address each requirement described in the Scope of Work section and clearly describe the proposed approach to meeting or exceeding each requirement. The Offeror is reminded that NO FINANCIAL OR PRICE INFORMATION is to be contained in the Technical Proposal.	PM	Detailed Technical Provision shall be submitted per section 3 Article 3.3.1 through 3.3.20
33	Addendum 1, 1.5 Contract Duration and Summary of Work, 1.05 Completion Time and Liquidated Damages. RFP-10, SP-67	Addendum 1, 1.5 states that the term of the contract is 22 months, however, Section 1.05 of the Summary of Work (01000) states 300 days. Which is correct?	PM	This was corrected to state "665 calendar days or 22 months" in Addendum 1, Section 1.05 of the Summary of Work (01000).
34	Section 1, General Information, 1.9 Proposals Due Date; Section 3, Proposal Format, 3.4 Financial Proposal Requirements. RFP-11,RFP-35	Section 1, General Information, 1.9 states that an original and 6 copies of the Price Proposal are required. Section 3, Proposal Format, 3.4 states that an original and 3 copies of the Financial Proposal (Price Proposal) are required. How many copies of the Price Proposal are required?	PM	Provide the original and 6 copies of the Price Proposal.

35	Section 3, Proposal Format, 3.3.7 Project Schedule; Addendum 1, 1.5 Contract Duration. RFP-29, Addendum 1 RFP-10	Section 3, Proposal Format, 3.3.7 states that the project should be completed no later than May 31, 2015. This conflicts with the contract duration stated in 1.5 of Section 1, General Information of Addendum 1. Which completion date is correct?	PM	MTA expects stations substantial completions by 5/31/15 in order to comply with funding deadlines of the Transit Security Grant Program.
36	Section 3, Proposal Format, 3.3.19 Warranty; Special Provisions 17650, 1.03 B.1. Warranty Description; Special General Provisions, 4.05 Warranty of Construction. RFP-34, SP-390, SGP-379	Section 3, Proposal Format, 3.3.19 states that the warranty shall commence with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT). Special Provisions Section 17650, 1.03,B.1 states that the warranty shall extend to 12 months after completion of Acceptance Test relevant to each installation site. Special General Provision 4.05 states that the warranty is one year from the date of final acceptance. What is the correct warranty period?	PM	Warranty shall commence with satisfactory completion of the 30 Day Operational Test for each site.
37	General Provisions for Purchase Contracts, Section 9, Award of Contracts; Section 4, Minimum Qualifications and Evaluation Procedures, 5.4 Proposal Evaluation. GPP 342, RFP-39	General Provision for Purchase Contract, Section 9 states that contracts and purchases will be made or entered into with the lowest responsive and responsible offeror. Section 4, Minimum Qualifications and Evaluation Procedures, states that award will be based on "Best Value". Will award be made based on Best Value or lowest bid?	PM	Award will be based on the description in Section 4 for Best Value.
38	Supplementary Provisions for Construction Contracts. SGP-424 and SGP-425	10.23 through 10.26 are missing. Does the State intend to provide these provisions in an Addendum?	PM	Refer to Section 00100 for Construction Requirements. Supplementary General Provisions - Construction Contracts shall be removed from the RFP.
39	Attachment 8 Liability Insurance Requirements; Summary of Work, 01000, 1.08 Liability Insurance Requirements. IR-82, SP-68	Attachment 8 of the RFP states that the MTA will provide General Liability, Worker's Compensation, Excess Liability and Builder's Coverage under the OCIP program. Section 1.08 of the Summary of Work (Section 01000 of the Special Provisions) states that the MTA will provide Pollution Liability and Railroad Protective coverage on behalf of contractors and subcontractors working on this project, in addition to the aforementioned types of insurance. Will the MTA OCIP program include Pollution Liability and Railroad Protective Liability?	PM	OCIP includes Pollution Liability and Railroad Protective Liability.
40	Appendix B, Amtrak Agreement, Section 11.2 , p-10	The referenced section requires the MTA's contractors to perform and exercise, due professional care and competence in the performance of any Work in compliance with all applicable laws, as well as with all applicable standards of Amtrak. Will the MTA provide the Amtrak standards in an Addendum to the RFP for an Offeror to review?	PM	Amtrak Standards are not available for distribution and are specific to the work being completed. Work shall be performed in accordance with local building codes and AREMA standards per approved drawings signed and sealed by a Maryland certified professional engineer.
41	Appendix B, Amtrak Agreement, Section 17.2 . P-17	The referenced section states that MTA's contractors shall comply with Amtrak security requirements. Will the MTA provide the Amtrak security requirements in an Addendum to the RFP for an Offeror to review?	PM	Attachment A of Exhibit E of the Amtrak Agreement provides the Amtrak Security Requirements.
42	Appendix B, Amtrak Agreement, Section 21.1. p-19	The referenced section states that "...the indemnification provisions of the Access Agreement (or any successor agreement that governs the MTA's access to the Northeast Corridor) shall extend to and apply to all claims arising from or related to, directly or indirectly, the Work performed by Amtrak, MTA or their contractors pursuant to the Agreement." As these provisions will apply to MTA's contractors, please provide a copy of the Access Agreement in an Addendum for all Offerors to review.	PM	This information will be provided to th Proposer selected for award.

43	Appendix B, Amtrak Agreement, Section 21.3. p-20	The referenced section states that "...If one or more of MTA's contractors does not agree to indemnify, defend and hold harmless one or both of the Parties as described in the previous sentence, then MTA shall endeavor to require that contractor to participate in the MTA Owner Controlled Insurance Program ("OCIP")..." If the MTA contractor agrees to participate in OCIP, then is the MTA contractor relieved of the requirement to indemnify either Party?	PM	No. Per discussions with Amtrak on previous HSSP Phases, OCIP cannot be used in lieu of the requirement to indemnify either party.
44		The theme of the RFP implies that the Maryland Mass Transit Administration is looking for a Security Contractor such as Tyco to implement an Intelligent Video System that will provide effective surveillance at AMTRAK, CSXT and MTA transit properties. However, the RFP is written in a construction format that is typically used for General Contractors versus security integrators.	PM	MTA is looking for a contractor to complete the work as described in the RFP.
45		Financial Risks: The construction work of this bid is 90% of the total value and the security piece of this opportunity is approximately 10% of the total value of the bid. It does not make good business sense for a true Security Integrator to prime this opportunity. Too much financial risk.	PM	MTA is looking for a contractor to complete the work as described in the RFP.
46		The Financial Proposal: Requires detailed cost elements (Overhead, ODC's, G&A, and Fee). This requirement is typical for a construction contract but not typical on a security contract .	PM	MTA is looking for a contractor to complete the work as described in the RFP.
47		Limitation of Liability: It appears to be no provision in the RFP therefore, no cap on Liability to perform the work. This requirement is typical for a construction contract but not typical on a security contract .	PM	MTA is looking for a contractor to complete the work as described in the RFP.
48		Supervision, Overhead and Profit: In the RFP it stipulates that the Procurement Officer and Contractor shall negotiate a fixed amount to compensate the contractor for supervision, overhead, and profit for work performed by the contractor and its subcontractors. The allowed markup for supervision, overhead and Profit cannot exceed 45% of Labor and Equipment and 10% of Materials (exclusive of sales tax). This requirement is typical for a construction contract but not typical on a security contract.	PM	MTA is looking for a contractor to complete the work as described in the RFP.
49		Insurance Cost Worksheets: This requirement is typical for a construction contract but not typical on a security contract	PM	MTA is looking for a contractor to complete the work as described in the RFP.
50		Monthly Payroll Report: This requirement is typical for a construction contract but not typical on a security contract .	PM	MTA is looking for a contractor to complete the work as described in the RFP.
51		Notice of Work Completion Form: This requirement is typical for a construction contract but not typical on a security contract .	PM	MTA is looking for a contractor to complete the work as described in the RFP.
52		Risk Management Plan: This requirement is typical for a construction contract but not typical on a security contract	PM	MTA is looking for a contractor to complete the work as described in the RFP.
53		QC Plan: This requirement is typical for a construction contract but not typical on a security contract	PM	MTA is looking for a contractor to complete the work as described in the RFP.
54		Safety Plan: This requirement is typical for a construction contract but not typical on a security contract.	PM	MTA is looking for a contractor to complete the work as described in the RFP.
55		QC Person : This requirement is typical for a construction contract but not typical on a security contract.	PM	MTA is looking for a contractor to complete the work as described in the RFP.
56		Safety Person: This requirement is typical for a construction contract but not typical on a security contract.	PM	MTA is looking for a contractor to complete the work as described in the RFP.
57		We will like to request for an extension of the MTA-1397 contract.	PO/PM	See Addendum No. 3.

58		<p>Can MTA Provide up to date AS-Builts for stations included in the Scope of Work?:</p> <p><u>Metro Stations</u> 1 Jones Falls Outflow at Shot Tower Metro Station</p> <p><u>Light Rail Stations</u> 1 University of Baltimore/Mount Royal 2 University Center / Baltimore St. 3 BWI Airport Station 4 Cherry Hill Station 5 Westport Station 6 Lexington Market 7 Centre Street</p> <p><u>MARC/Amtrak Penn Line</u> 1 Aberdeen 2 Martin State Airport 3 West Baltimore 4 Perryville 5 Seabrook 6 Edgewood 7 Baltimore Penn 8 Halethorpe 9 Bowie State</p> <p><u>MARC/Amtrak Camden Line</u> 1 College Park</p>	PM	All as-builts have been provided as reference drawings.
59		Can Contractor utilize spare conduits at stations for CCTV Phase IV?	PM	Contractor may use spare conduits. Conduits shown as existing on the drawings and identified for use in the conduit and cable schedules were installed under a previous contract specifically for use by CCTV Phase IV contractor.
60		Will the MTA schedule site visits to all stations included in the scope of work?	PM	Scheduled per Addendum 2.
61	Specification 01300	Specification 01300 says that the contractor shall develop a Progress Schedule document in Microsoft Project. Can the contractor use Primavera 3.0 or greater as an alternative to Microsoft Project?	PM	Primavera 3.0 or greater is acceptable. Schedules shall be provided in chosen software format when submitted to MTA for review and approval.
62		What does HID Camera reference in the acronym?	PM	HID is high definition. There will be no integration of existing analog cameras.
63		Based on a site survey of Phase 1, 2, 3 & 4: Lighting Conditions - appeared unstable (Halogen, Sodium & Fluorescence + Change in Outdoor Extreme: Sunset & Sunrise) Camera - VGA resolution, 5 fps, MJPEG, vibration from trains, etc.	PM	It will be the responsibility of the Contractor to address lighting conditions during FDR.
64		Will the lighting conditions or camera resolution, FPS, CODEC or mounting method change at all for phase 4?	PM	Light conditions are not anticipated to change for Phase IV. The Contractor's FDR shall address lighting characteristics of each individual station as determined during site surveys.
65		How many user or profiles intended per camera?	PM	Each camera will have only one user profile. The Aralia Software components address multicasting and user access.
66		Will physical alarms be connected to the camera?	PM	No

67		Where in the RFP? A) CAT# Cabling length? Any overall? B) Command Center(s) to all locations mapping of connections to User(s) to Profile(s), determining maximum / minimum bandwidth & functional operation. Its a form of an IT + iCCTV risk assessment map. Does something like this exist in different form? C) Is there a method to access QA metrics and or data from Phase 3?	PM	A) Cabling length requirements shall be determined by individual offerors based on take-offs from the Contract drawings. B) No C) Phase III documentation can be made available to successful offeror.
68		Copies of the drawings were not available to all attendees at the Pre-Proposal Conference. Please extend the date for questions until the offeror can review the engineering detail required to submit a responsive proposal.	PO	See Addendum No. 3.
69		Because copies of the drawings have not yet been received, we respectively request an extension of the proposal due date to June 28 in order to submit a compliant proposal.	PO/PM	See Addendum No. 3.
70		Can the government provide the drawings in a CAD format (AUTOCAD 2009 or MicroStation 8 or lower versions)?	PM	Drawings will be provided in CAD format after award.
71		Please reiterate the number of copies of the Technical Proposal (including original) that are required. Are electronic copies required in PDF?	PO/PM	Original and 6 copies of the technical proposal. Provide one electronic copy in PDF format.
72		Proposal detail provides allowance amounts for items 1-6. Should the offeror utilize these amounts or propose alternate amounts that may be advantageous to the State?	PM	Allowance amounts shall be used as listed.
73		May the offeror provide financial statements electronically and in single copies because the volume of the annual reports is in excess of 5,000 pages.	PM	Yes. The financial statement can be provided electronically on CD and a single hard copy.
74		Please define and/or confirm: SONY Model SNC DS180 is corrected for spare parts?	PM	For Spare Parts the correct model number is SNC DH 180
75		Please define and/or confirm: Exterior cameras require surge protection?	PM	Confirmed.
76		Please define and/or confirm: Which type of the HVAC unit if require at Perryville Ticket Office?	PM	Contractor shall determine during final design.
77		Please define and/or confirm: The remote camera cabinet layout require UL-508A label?	PM	Confirmed.
78		Please define and/or confirm: The minimum battery back-up time for UPS at full load?	PM	Battery backup shall be minimum of 15 minutes. Contractor shall provide backup long enough to allow successful shut down of servers at each location
79		Please define and/or confirm: Which equipment will be on the UPS?	PM	See Contract drawings.
80		Please define and/or confirm: The VMS Client workstation and monitor require on UPS power for the remote office location? What is the minimum time required for back up?	PM	VMS client workstation and monitor do not need to be on UPS power.
81	RFP-033, 3.3.14	Functional and technical requirements of the software are mentioned. What are the functional and technical requirements for the software to be provided?	PM	See Section 17612 for software requirements for this contract.
82	SP-015, 00100-15 Section 1.18	Please clarify: Are the referenced Inspectors Authority provided or Contractor employees?	PM	MTA Provides inspectors to monitor installation activities.
83	SP-064, 01000-4 Section 1.04	Milestone Dates have hard dates for acceptance. Are these dates based on a projected NTP, and if so, what is the projected date? When does MTA anticipate issuing NTP?	PM	Hard dates are based on requirement to utilize Transit Security Grant Program funds. NTP is expected by December 2013.
84	SP-094, 01300-8 Section 1.04.A.14	How much time is required for the review of drawings by MTA, AMTRAK, CSXT, and WMATA?	PM	See Section 01300 1.04 B3.

85	SP-135, 01450-9 Section 1.11	Please clarify the purpose of the independent test laboratory. Is there a requirement to perform type acceptance testing on all materials or certain materials?	PM	An independent test laboratory will not be required for work on this project. Contractor will be responsible for all testing using appropriately certified personnel.
86	SP-149, 01524-1 Section 3.01	Section 3.01A states that MTA will furnish the Engineer's Office; 3.01B states that the office is to be provided with all required supplies and that operating expenses be paid. Please clarify what the MTA is providing and paying for and what the contractor is required to provide and pay for and how this is coordinated and administered from the Engineer's Office Allowance. Further, Is the contractor processing the bills for operating costs or providing funds for covering the costs that the Engineer is paying?	PM	MTA will furnish the Engineer's office. Invoices will be turned over to the Contractor for payment from allowances.
87	SP-348, 17114-3 Section 1.04.E	Is MTA approval within 21 or 14 working days after of receipt of Site Installation Plan?	PM	Referenced section is deleted per revised Section 17114 in Addendum 4. Review is addressed in Section 01300.
88	SP-354, 17125-3 Section 1.04.B.3	To what extent is the Contractor required to regression test the existing functionality? Further, who are the external users, and where are they located?	PM	Contractor shall demonstrate that addition of Phase IV has not significantly impacted ability of internal and external users to use the system for its intended purpose. External users are those outside the PMF and are located throughout the MTA. The Contractor will only be expected to demonstrate system performance at a single external location. Contractor shall propose testing that meets the requirements of this section.
89	SP-356, 17125-5 Section 3.02.	FAT appears to strictly test hardware (burn-in). While there is mention that firmware or software should be identical to the final installation, there is no mention of testing to that end. Is there no software functionality testing required at FAT?	PM	FAT is a complete demonstration of hardware and software components to be used throughout the system. Servers require software to function and are part of the FAT. Software configuration is specifically mentioned in the referenced section. Camera performance cannot be demonstrated without the Phase IV software installed and configured.
90	SP-357, 3.03.A.14,15,16	Is there any further functional requirement details on software during FIAT or 30DOT?	PM	Requirements are fully detailed in referenced section.
91	SP-381, 1.02.G	The section addresses hardware, but includes configuration. Is the contractor responsible for the Network configuration of the hardware to be provided? As such, are there any additional requirements for completing this task?	PM	Contractor is responsible for network configuration of the hardware provided. For hardware connected directly to the MDOT network, contractor shall coordinate with MTA IT for configuration.
92	SP-384, 17612-6 Section 2.01.1.e	Is the software to be supplied, that which is already in place and operational within Phase 3, or is there additional software changes that are to be made? If there are additional software requirements, can a list of changes be provided?	PM	Latest software as recommended by Aralia shall be utilized for Phase IV.
93	SP-346, 17114-2 Section 1.02E	Requirement indicates that CDRL#6 – Contractor's Installation plan is due 30 days after NTP and that this CDRL also includes CDRL 11 – Installation, Transition and Migration Plan as well as CDRL 25 – Master Interface Control Document. Is this correct and are all of these CDRLs due within 30 days of NTP?	PM	Section 17114 has been revised per Addendum 4
94	SP-349, 17114-4 Section 1.06.B	MDOT requirements state that all new equipment or software that is placed on the MDOT Enterprise network is subject to a Vulnerability Assessment. Does MDOT or the contractor conduct this test? Is the contractor required to provide the assessment tool?	PM	Section 17114 has been revised per Addendum 4 Contractor is responsible for making equipment available for MDOT to test. MDOT will provide the assessment tool and subsequent reports. Contractor shall address any security concerns resulting from these reports.

95	SP-350, 17114-4 Section 1.06.C	MDOT requirements state that all new equipment or software that is placed on the MDOT that requires the use of IIS or IIS services is subject to a scan using HP Web Inspect. Does MDOT or the contractor conduct this test? Is the contractor required to provide the scan tool?	PM	MDOT conducts the test as coordinated by the Contractor when equipment and software are ready for testing. MDOT provides the scan tool and subsequent reports with required corrections to be addressed by the Contractor.
96	Acceptance testing	Acceptance testing – are there defined parameters for the acceptance tests, or do all offerors create their own respective acceptance tests?	PM	Contractor creates test plan and procedures for submission and approval by Administration.
97		Will the MTA's training documentation for phases 1-3 be made available to offerors?	PM	Documentation will be made available to the successful offeror.
98		Will the MTA provide the specifications of the existing network?	PM	Network requirements are identified in the RFP in Sections 16124, 17114, 17612 and on the Contract drawings.
99		The RFP specifically calls out the need to have a safety officer on site, but at the Pre-Proposal Meeting, we were told that we would NOT be required to have a safety officer present. Which is correct?	PM	There will be no requirement for a full-time on-site safety officer. Section 01360 1.05 requires designation of an emergency contact person.
100	Section 17125 1.04B3	Who are external users?	PM	Authorized MTA users outside of the PMF.
101	Section 17125 3.04A12	Please define one complete tour.	PM	A tour is a programmed period for camera views. Daytime if only daytime is programmed. Daytime and nighttime if both are programmed. Daytime, Nighttime and weekend if all three are programmed. Etc.
102	Section 17612 2.01A2D	Which MARC cameras have to be integrated into the HSSP system?	PM	Requirement for integration of existing MARC cameras has been deleted per Addendum 4. See revised Section 01000 and Question No. 2 response.
103	Section 3.3.13 Hardware	Would the MTA prefer the hardware component table to be formatted by site or as a comprehensive list for the HSSP4 project?	PM	By site
104	Section 3.3.13 Hardware	Does the Hardware Table mentioned in the questioned prior (Q 103) count toward the 250pg maximum?	PM	No
105		We understand that HSSP4 includes significant elements of construction. We also recognize that the RFP is very comprehensive with regards to the requirements for executing the aforementioned construction content. However, according to the RFP, "The HSSP4 system shall be capable of easy and cost effective growth toward a complete MTA-wide iCCTV surveillance system." Is it the shared opinion of the MTA that in order to effectively and efficiently execute HSSP4, it is equally important that the successful offeror must also have the ability to adapt to a constantly changing surveillance technology environment, paired with proficiency in systems integration in order to optimize and enhance that technology for the future needs of the MTA?	PM	Offeror requirements are detailed in RFP Section 4.
106	RFP Sect 1.8, p11	We request an extension of the deadline for written inquiries for one (1) week.	PO	See Addendum No. 3.
107	RFP Sect 3.3.7, Project Schedule, p30	Can we submit a GANTT chart instead of a PERT chart for the proposed project schedule? Would you accept a network diagram as another option?	PM	Schedule shall be submitted per Section 01300. Schedule shall be submitted in native format electronically. A network diagram is not acceptable. GANTT chart is acceptable.
108	RFP Sect 3.3.9, Project Organization, p31	What drawings require a Professional Engineer (PE) stamp? Is the intent to verify the RFP drawings and then have a PE stamp the final design submittal?	PM	Final Design drawings shall require PE Stamp. Section 17114 revised per Addendum 4.
109	RFP, Attachment 7 - MDOT DBE Form B	Will MBE/DBE applicant firms be counted toward the overall DBE participation? These firms have applied for MBE/DBE status but have not yet received from MDOT. We expect these firms would be certified before a subcontract agreement is issued for work under this project.	OFF	Proposals must include certified MBE/DBE subcontractors. Subcontractors for which certification is still pending are not acceptable. Part of the overall technical evaluation includes the participating MBE/DBE subcontractors as proposed.

110	RFP Spec 01130-3, paragraph 1.07, Construction Layout	Please clarify the scope of work required to be performed by the Registered Land Surveyor. What is the purpose of the land survey?	PM	Contractor shall determine need for a land surveyor as part of development of final design documents. If a land surveyor is needed, requirements of 01130 apply. MTA does not anticipate the need for a land surveyor to complete Phase IV work.
111	RFP Spec 01000-4, paragraph 1.03D, Contract Description	Since offerors may not have the opportunity to inspect the Perryville MARC Station ticket office, can we consider the replacement HVAC unit part of the Miscellaneous Work Allowance?	PM	Perryville site will be visited during development of FDR. Replacement of the unit will be considered under MWA based on needs assessment during FDR.
112	RFP Bid Form, Line Item 006, pg BF 47	What costs are included with Item 006 Motor Vehicle Allowance?	PM	Engineer Field Office will submit invoices for payment by the Contractor under this allowance.
113		Will guided site visits be made available to all sites or will self-directed visits be required? If self-directed, will a point of contact be available at each site to ensure access to all areas at each facility?	PM	Guided visits will be made per Addendum 2.
114		Will MTA provide escorted site visits for contractors prior to bid submittal deadline?	PM	Per Addendum 2.
115		What type of contract was awarded for HSSP Phase I, II, and III?	PM	Phase I was a competitive RFP. Phases II and III were subsequently awarded to the same contractor awarded under Phase I.
116		It appears ARINC has been sole-sourced for previous HSSP phases – why is HSSP Phase IV being competitively bid?	PM	Phase I was a competitive RFP and the same is the case for Phase IV.
117		Please expand on Contractor's scope vs. Aralia Systems scope as it pertains to the commissioning and programming of the "Iberis" software.	PM	Aralia is responsible for software modifications needed for Phase IV.
118		Will interested offerors be able to contact the incumbent to make a more informed assessment regarding project scope, staffing requirements, etc.?	PM	Offerors are free to contact outside sources as needed in preparation of their bid. However, be aware that such inquiries are subject to signed non-disclosure agreements between the MTA and incumbent parties.
119		Will there be an opportunity for an additional RFI period following the site surveys?	PM	RFI period is not limited. RFIs may be submitted as needed. RFIs are catalogued in an RFI log and responses shall be provided within 21 days of receipt.
120		Request that due to the complexity of project that MTA consider extending the bid time allowed by 30-60 days.	PO/PM	See Addendum No. 3.
121		Request that due to site visit dates of May 30 and 31st that the MTA consider extending the time allowed for submission of questions.	PO/PM	See Addendum No. 3.
122		The qualifications for the offeror seem to be geared toward an equipment provider. Can the offeror qualifications be considered on the basis of his team including his equipment supplier and subcontractor?	PM	Yes refer to RFP-5 definitions of offeror, person and principal participant.
123		Due to the size of this project, the number of sites we need to survey, and the proposal responses that must be prepared, [Offeror] respectfully requests a 45 day extension.	PO/PM	See Addendum No. 3.
124	Page RFP-39, 5.0 evaluation Procedures	The section states the basis for award is Technical Proposal first and Financial Proposal second. If this is in fact a weighted scoring process, please provide the "evaluation criteria" used to determine the score for each Technical proposal. Further, please provide the Technical Proposal score versus Price proposal score ratio. In other words, is the final selection to be made on a 51/49 Technical vs. Price ratio or something different?	PO/PM	Section 5.9.3 lists order of importance of technical factors. MTA does not use a scoring method for evaluation. Proposals are evaluated based on a number of strengths and weaknesses. See Section 5.10 Technical Evaluation Factor Ratings. Technical proposals are evaluated independent of the financial proposals and a combined weighting is determined at completion of both processes.

125	SP-350, SP-352, 17114-5 1.08.A-C & 17125-1 1.01	Part A of this section implies that materials are to be delivered to MTA premises and insured until such a time as title passes to MTA. Part C states that MTA will assume no responsibility for equipment not stored within MTA premises. Can contractor have materials shipped to, and stored in, their own insured facility, taking responsibility for materials while also seeking reimbursement for the materials from the MTA so they can then perform pre-installation testing? Section 17125 states that equipment pre-installation testing must occur at a Pre-Installation Test Facility. This is typically the Contractor's facility.	PM	Yes. Prior to request for reimbursement an MTA inspector will need to verify bill of materials stored at contractor's site.
126	SP-387, 17630-2 Section 2.02A	A table of Training Courses supplied for Phases 1-3 is provided. The training section does not state the training classes, frequency and duration of each required for Phase 4. Please clarify the specific training classes and requirements of each for Phase 4.	PM	The training shown for Phases I-III shall constitute the requirements of the training plan proposed for Phase IV.
127	17610 2.02A	Specification section 17610 2.02A states cameras must be Sony or approved equal. Does MTA have an approved equal list of CCTV camera manufacturers?	PM	Contractor shall have proposed cameras, other than Sony, certified by Aralia for use on their iCCTV System as supplied to MTA.

SECTION 1 – GENERAL INFORMATION**1.0 GENERAL INFORMATION****1.1 Summary Statement**

The Maryland Transit Administration (MTA) is requesting Proposals from qualified entities to provide Phase 4 of the Homeland Security Surveillance Project (HSSP4), consisting of an Intelligent Closed Circuit TV (iCCTV) system that will provide effective surveillance of the AMTRAK, CSXT, and MTA transit properties, including stations, platforms and station sites. The Phase 4 iCCTV surveillance system builds on Phases 1, 2, and 3 Homeland Security Surveillance Project (HSSP1, HSSP2, and HSSP3) that have already been acquired by the MTA. The HSSP4 project shall be based on existing proven technology and the use of freely available Commercial Off -The-Shelf (COTS) equipment. The HSSP4 system shall be capable of easy and cost-effective growth toward a complete MTA-wide iCCTV surveillance system.

The existing Homeland Security Surveillance Project (HSSP) Phases 1, 2 and 3 utilize fixed and PTZ IP cameras located at public and non-public areas of each station, and Terabyte storage units installed at each station. IP cameras are connected directly to a Cisco Ethernet switch, which are accessed by the control and storage server operating the “Iberis” software suite by Aralia Systems Ltd., 1 North Charles Street, Suite 302, Baltimore MD 21201 (Aralia). The HSSP4 hardware, firmware, and software shall be fully compatible and equivalent to the hardware, firmware, and software that have been furnished to the MTA under the HSSP1, HSSP2, and HSSP3 Phases of the HSSP project.

The HSSP4 project requires the same Homeland Security Surveillance system provided under HSSP1, HSSP2, and HSSP3 to be extended to cover an additional eighteen (18) sites: nine (9) MARC/Amtrak Penn Line Stations, one (1) MARC/Amtrak Camden Line Station, seven (7) Light Rail Stations, and one (1) Jones Falls Outflow at Shot Tower Metro Station. HSSP4 also includes the necessary additions and modifications to the existing HSSP hardware, firmware, mapping, and software at the Police Monitoring Facility (PMF). Aralia workstations shall be provided at two remote locations: The first location will have one workstation at the MTA MARC Maintenance Shop, 2700 Eastern Blvd, Baltimore, Maryland, 21220. The second location will have two (2) workstations at MTA MARC Administrative Offices at Bush Street Division, 1515 Washington Blvd. Baltimore, Maryland 21230. Removal of MARC existing analog cameras and associated equipment. Contractor’s installation plans, testing, and training. A new HVAC unit at Perryville ticket office if needed.

HSSP IV installation sites are as follows:

Metro Subway Station

Jones Falls Outflow at Shot Tower Metro Station

Light Rail Stations:

University of Baltimore/Mount Royal
University Center / Baltimore St.

BWI Airport Station
Cherry Hill Station
Westport Station

Lexington Market

Centre Street

MARC/Amtrak Penn Line Stations:

Aberdeen	Edgewood	
Martin State Airport	Baltimore Penn Station	
West Baltimore	Halethorpe	Bowie State
Perryville		
Seabrook		

MARC/Amtrak Camden Line Station:

College Park

PMF: Police Monitoring Facility 4100 Mt. Hope Drive.
Baltimore, MD

1.2 Project Goals

The project scope includes but is not limited to:

- System hardware, firmware, mapping, and software design, including camera siting surveys and verification of coverage video.
- Procurement, installation, configuration and testing of all necessary systems, hardware, software, and components.
- Installation of iCCTV components at AMTRAK, CSXT and MTA locations.
- Integration of the existing analog and new HID cameras Amtrak, MARC and MTA at stations and existing HSSP software suite.
- Removal of selected existing analog cameras and components at specified MARC stations.
- **Contractor's Final Design Review (FDR).**
- Three workstations for Multi-casting of MARC station cameras for the replaced existing analog and new HID cameras.
- Flagging and railroad workers protection required for Amtrak, CSXT, and MTA sites.
- Manuals, training, aids, and spare parts.
- Testing and Acceptance testing of all installed components and systems/subsystems.
- Contractor shall determine if the existing HVAC unit at the Perryville MARC Station ticket office is adequate to handle the extra BTUs generated by the new equipment to be installed inside this room. If not, the contractor shall upgrade the existing HVAC equipment as part of this scope of work.
- Provision of acceptance warranty terms.

1.3 Abbreviations and Definitions

Terms and conditions used in the Contract Documents have the meanings prescribed for them in Title 21 of the Code of Maryland Regulations (COMAR) and in this Section 1. Unless the context otherwise requires, the definitions below supplement the definitions in COMAR Title 21.:

- Addendum – a written revision to the RFP, styled as an Addendum, issued by MTA after the release date of the RFP.
- Administration – The Maryland Department of Transportation.
- Affiliate means any of the following:
 1. A person that directly or indirectly, through one or more intermediaries, controls, is controlled by, or is under common control with the following:
 - a. the Offeror; or
 - b. any other Principal Participant; and
 2. A Person in which fifteen (15) percent (%) or more of the equity interest in such Person is held directly or indirectly, beneficially or of record, by the following:
 - a. the Offeror;
 - b. any Principal Participant; or
 - c. any Affiliate of the Offeror under part (a) of this definition.
- Award - the transmission; after all required approvals have been obtained, by the procurement agency to the Contractor of written notice of award or the executed Contract.
- “Best and Final Offer” or “BAFO” means a Proposal, subsequent to an initial Proposal, submitted in response to a written request for a best and final offer that modifies an earlier Proposal. “Best and Final Offer” does not include clarifications and revisions to a Proposal in response to a request that does not solicit a best and final offer.
- “Board” or “BPW” means the Board of Public Works of the State of Maryland.
COMAR – Code of Maryland Regulations.
- “Business” means a corporation, partnership, individual, sole proprietorship, joint venture, or any other legal entity through which business or commercial activity is conducted.
- “Business Day” Means any day that the general administrative offices of the MTA are open.
- “Calendar Day” means every day shown on the calendar; Saturdays, Sundays and holidays are included.

- “Change in Law” means the enactment, adoption, modification, repeal, or other change in any Governmental Rule that occurs after the Proposal Date, including any change in the judicial or administrative interpretation of any Governmental Rule, or adoption of any new Governmental Rule, which is materially different from Governmental Rules in effect on the Proposal Date (excluding any such change in or new Governmental Rule which was passed or adopted prior to, but becomes effective after, the Proposal Date and which:
 - Requires a material modification in the scope of Work or
 - Prevents renewal of any Governmental Approval.
- “Change Order” means a written order, signed by the Procurement Officer, directing a Contractor to make changes which the Changes clause of a Contract authorizes the Procurement Officer to order with or without the consent of the Contractor.
- “Contract” means, depending upon context, the Contract or the Contract Documents or both. Contract includes, depending upon context, the separate contracts for Operations services and for Maintenance of Equipment services. The words “Contract” and “Agreement” are considered synonymous.
- “Contract Affidavit” means the completed affidavit that is required to be submitted by the selected Offeror prior to execution of the Contract by MDOT and issuance of the Notice to Proceed.
- “Contract Documents” means the documents identified as such in the RFP and the Contract, and include all provisions required by law to be inserted in the Contract whether actually inserted or not.
- “Contract Modification” means any written alteration or change in the specifications, delivery point, date of delivery, Contract period, price, quantity, or other provision of any existing Contract, whether accomplished in accordance with a Contract provision, or by mutual action of the parties to the Contract. It includes without limitation Change Orders, extra Work Orders, Supplemental Agreements, Contract Amendments, or Reinstatements, or any changes made to a Contract as a consequence of partial termination of settlements.
- “Contractor” means the Offeror, selected pursuant to the RFP that enters into the Contract. Contractor includes the Contractor awarded the Operations Contract and the Contractor awarded the Maintenance of Equipment Contract, if separate awards are made.
- “Cost-Reimbursement” contract means a contract under which MTA reimburses the Contractor for those Contract costs, within a stated ceiling, and a fee, if any, which are recognized as allowable and allocable under the cost and price principle regulations.
- “Day” means, unless otherwise designated, a Calendar Day.
- “Discussions” means oral or written negotiations. “Discussions” do not include interviews, presentations, communications relating to clarifications, and any other exchange between MTA and an Offeror that is not identified as discussions.

- “Evaluation Committee” means the committee appointed by MTA to evaluate proposals
- “Governmental Approval” means any approval, authorization, certification, consent, exemption, filing, lease, license, permit, registration or ruling, required by or with any Governmental Body in order to perform the Work or any work being performed by another Person that affects the Work.
- “Governmental Body” means any federal, state, local, or foreign government; any political subdivision; or any governmental, quasi-governmental, judicial, public, or statutory instrumentality, administrative agency, authority, body, or entity other than the Department or the Administration.
- “Governmental Rules” means all applicable laws, codes, rules, ordinances, restrictions and regulations of the federal, State, regional or any local Governmental Body and judicial or administrative orders which affect the Work, including those relating to fire, safety, land use, health, labor, environmental protection, seismic design, conservation, traffic control, parking, handicapped access, zoning and building laws, codes, ordinances, rules, and regulations.
- “Incremental Costs” means those costs, if any, which the Contractor incurs as a result of a particular circumstance which the Contractor would not have incurred but for the circumstance. In determining such costs, one would determine the total cost which the Contractor would have incurred had the circumstance not occurred, and subtract such amount from the costs actually incurred. The difference is the “increment.”
- “Key Personnel” means the Persons specifically identified in a Proposal as responsible for performing certain functions during the term of the Contract on behalf of the Contractor.
- “Local Time” means the time in the Eastern Time Zone as observed by the State.
- “MDOT” means Maryland Department of Transportation
- “MTA” means Maryland Transit Administration
- “Notice to Proceed” or “NTP” means a written notice from MDOT or MTA to the Contractor specifying the conditions for and the date on or before which the Contractor shall begin prosecution of the Work or such portion of the Work as is designated in the Notice.
- “Offeror” means, on and after the Proposal Date, a Person that submits a Proposal. Prior to the Proposal Date, “Offeror” means a potential Offeror, i.e., a Person that may submit a Proposal.
- “Person” means any individual, firm, corporation, company, consortium, limited liability company, joint venture (JV), or partnership, or other legal entity.
- “Principal Participant” means any of the following entities:
 - the Offeror;
 - if the Offeror is a consortium, JV, partnership, or limited liability company, any joint venture, partner, or member of the Offeror;

- all Persons holding (directly or indirectly) a 15% or greater interest in the Offeror.
- “Procurement Officer” is the State representative for the resulting contract. The Procurement Officer is responsible for the contract, issuing notices to proceed, determining scope issues, and is the only State representative that can authorize changes to the contract. MTA may change the Procurement Officer at any time by written notice to the Contractor.
- “Project” means all Work to be provided by the Contractor in accordance with the Contract Documents.
- “Project Manager/Coordinator” is the State representative responsible for managing the daily activities of the Contract and providing guidance to the Contractor concerning Contract compliance.
- “Proposal” means the proposal submitted by an Offeror in response to the RFP, including any revisions thereto. If Best and Final offers are requested, “Proposal” also includes each Best and Final offer, including any revisions thereto, submitted by an Offeror.
- “Proposal Bond” means the proposal bond required by these Instructions to Offerors to be submitted with a Proposal.
- “Proposal Date” means the date on and time at which Proposals or best and final offers are due to be received by MTA.
- “Proposal Security” means the Proposal Bond required by this RFP in accordance with COMAR 21.06.07.09.
- “Reference Document” means a document provided with or referred to in the RFP and either designated as a reference document or is otherwise indicated that it is not to be a part of the Contract Documents.
- “Request for Proposals” or “RFP” means the request for proposals pursuant to which the Contract has been awarded.
- “Specification” or “Specifications” mean all or a portion of the written description of functional performance or salient characteristics of the Work and may include a statement of any other requirements and may provide for inspection, testing, or preparation of a sample or prototype before procurement.
- “State” means the State of Maryland acting through its authorized representative.
- “Subcontractor” means any person undertaking a portion of the Work by virtue of an agreement with the Contractor or another Subcontractor. A Subcontractor may not perform Work without approval by MTA. “Subcontractor” includes a Subcontractor at any tier.
- “Work” means all of the activities and obligations required to be performed by Contractor under this Contract, including, without limitation, all administrative, support, design, engineering, procurement, legal, professional, fabrication, materials, supply, installation, maintenance, operations, supervision, management, testing, verification, labor, equipment, documentation, and other services and duties required

to complete the requirements of the Contract . “Work” also means these same activities and obligations required to perform a phase. Contract – The Contract Agreement is attached to this RFP as Attachment 1.

These abbreviations may be used in the Contract Documents.

- ADA Americans with Disabilities Act
- AFE Administration Furnished Equipment
- AIEE American Institute of Electrical Engineers
- AISI American Iron and Steel Institute
- ANSI American National Standards Institute
- APTA American Public Transportation Association
- APC Automatic Passenger Counter
- API Application Programming Interface
- ASQ American Society for Quality
- ASTM American Society of Testing and Materials
- ATIS Advanced Traveler Information System
- AVA Automatic Voice Annunciation
- AVM Automated Vehicle Monitoring
- AVL Automatic Vehicle Location
- BAFO Best and Final Offer
- BPW Board of Public Works (Maryland)
- BSC Base Station Controller
- BTS Base Transceiver Station
- CAD Computer-Aided Dispatch
- CCTV Closed Circuit Television
- CDRL Contract Deliverables Requirements List
- CIS customer Information System
- CIT Clean, Inspect, and Test
- CN Change Notice COMAR Code of Maryland Regulations
- COTS Commercial Off The Shelf
- CSCS Central Supervisory Control System.
- CSP Competitive Sealed Proposal
- CTS Cell Transceiver Station

- DBE Disadvantaged Business Entity
- DGPS digital Global Positioning System
- DOT United States Department of Transportation
- EIA Electronic Industries Association
- eMM e-Maryland Marketplace
- EPA U.S. Environmental Protection Agency
- ERP Effective Radiated Power
- ERTT Emergency Request to talk
- EVIR Electronic Vehicle Inspection Report
- FCC Federal Communications Commission
- FDOT Federal Department of Transportation
- FTA Federal Transit Administration, U.S. Department of Transportation
- FY Fiscal Year
- GIS Geographic Information System
- GPS Global Positioning System
- GUI Graphical User Interface.
- HMI Human Machine Interface.
- HSSP Homeland Security Surveillance Project
- IDS Intrusion Detection System
- IEEE Institute of Electrical and Electronics Engineers
- ISO International Standards Organization
- ITP Instructions to Offerors
- ITS Intelligent Transportation Systems
- IVR Interactive Voice Response
- LCD Liquid Crystal Display
- LED Light-Emitting Diode
- MBE Minority Business Enterprise
- MCC Motor Control Center.
- MDC Mobile data Computer
- MDOT Maryland Department of Transportation
- MDT Mobil Data Terminal
- MMIS Maintenance Management Information System

- MSDS Material Safety Data Sheet(s)
- MSRP Manufacturer's Suggested or Recommended Practices
- MTA Maryland Transit Administration
- MTBF Mean Time Between Failures
- NEMA National Electrical Manufacturers Association
- NESC National Electrical Safety Code
- NTCIP National Transportation Communications for ITS Protocol
- NTD National Transit Database
- NTIA National Telecommunications and Information Administration
- NTP Notice to Proceed
- NTSB National Transportation Safety Board, U.S. Department of Transportation
- OCC Operations Control Center.
- OEM Original Equipment Manufacturer
- OSF Open System Foundation
- OSHA Occupational Safety and Health Act
- DOL U.S. Dept. of Labor;
- PA Public Address
- PC Personal Computer
- PCMCIA Personal Computer Memory Card International Association
- PLC Programmable Logic Controller.
- PRTT Priority Request to talk
- QA/QC Quality Assurance/Quality Control
- QCP Quality Control Program Plan
- RDBMS Relational Data-based Management System
- RFP Request for Proposal
- RTPIS Real Time Passenger Information System
- RTT Request to Talk
- RTU Remote Transceiver Unit
- SAE Society of Automotive Engineers
- SLAN Station Local Area Network
- SOP Standards of Practice
- SSPP System Safety Program Plan

- TCIP Transit Communications Interface Profiles
- TCP Transfer Protection Connection
- TIA Telecommunications Industry Association
- UPS Unit Price Schedule
- VCPU Vehicle Central Processing Unit
- VLU Vehicle Logic Unit
- VPN Virtual Private Network
- WI-FI Wireless Fidelity
- WO Work Order
- XML Extensible Markup Language
- YTD Year to Date

1.4 **Contract Type**

The contract that results from this RFP shall be a fixed price contract.

1.5 **Contract Duration**

The term of this Contract is for a period of 10 months.

The Offeror is encouraged to carefully evaluate means and methods to confirm compliance with the project schedule requirements provided in Section 01110.

Any exceptions to the project schedule must be clearly stated in the Proposal.

1.6 **Procurement Officer**

This RFP is issued for the MTA by the Procurement Division. The sole point-of-contact in the State for purposes of this RFP prior to the award of any contract is the Procurement Officer as listed below:

Rick Owens, Procurement Officer
Maryland Transit Administration
6 St. Paul Street, 7th Floor
Baltimore, MD 21202
Telephone #: 410-767-3360
Fax #: 410-333-4810
E-mail: rowens@mta.maryland.gov

Administration may change the Procurement Officer at any time by written notice to the Offerors.

1.7 **Pre-Proposal Conference**

A Pre-Proposal Conference will be held on **Friday, May 17, 2013**, beginning at 10:00 AM, at the MTA office at 6 St. Paul Street, Baltimore, Maryland 21202, 27th Floor. Attendance at the Pre-Proposal Conference is highly recommended and all interested Offerors are encouraged to attend in order to facilitate better preparation of their

proposals. In addition, attendance may facilitate the Offeror's understanding of RFP requirements.

The conference will be transcribed. A copy of the transcript will be available to potential Offerors on the MTA's website (www.mta.maryland.gov).

1.8 Questions

Written questions from prospective Offerors will be accepted by the Procurement Officer prior to the pre-proposal conference. As reasonably possible and appropriate, such questions will be answered at the pre-proposal conference. (No substantive question will be answered prior to the pre-proposal conference). Questions may be submitted by mail, facsimile, or by e-mail to the Procurement Officer. Questions, both oral and written, will also be accepted from prospective Offerors attending the Pre-Proposal Conference. As reasonably possible and appropriate, these questions will be answered at the pre-proposal conference.

Questions will also be accepted subsequent to the pre-proposal conference. All post-conference questions should be submitted in a timely manner to the Procurement Officer only. **The submission deadline for written inquiries is Thursday, May 23, 2013 by 4:00 p.m.** In case of questions not received in a timely manner, the Procurement Officer shall, based on the availability of time to research and communicate an answer, decide whether response can be given before the proposal due date. Responses to all substantive questions that have not previously been answered, and are not clearly specific only to the requestor, will be distributed to all vendors who are known to have received a copy of the RFP.

1.9 Proposals Due Date

An original, unbound marked "Original", and six (6) bound copies of the Technical Proposal and one original and six (6) copies of the Price Proposal, each in a separate sealed envelope, clearly marked with the full name and address of the Offeror and the contents of the envelopes or packages, e.g., "Technical Proposal, Contract No. MTA-1397" or "Financial Proposal, Contract No. MTA-1397", must be received by the Procurement Officer, at the address listed in Section 1.6, no later than **2:00 PM (local time) on Tuesday, June 27, 2013** in order to be considered. An electronic version (DVD or CD) of the Technical Proposal, including the schedule, all drawings, all brochures and all other attachments, in Adobe Acrobat pdf format shall be enclosed with the original technical proposal. An electronic version (DVD or CD) of the Financial Proposal in Adobe Acrobat pdf format shall be enclosed with the original financial proposal. Insure that the DVDs or CDs are labeled with the Date, RFP title, RFP number, and Offeror name and packaged with the original copy of the appropriate proposal (technical or financial).

Requests for extension of this date or time will not be granted. Offerors mailing proposals shall allow sufficient mail delivery time to ensure timely receipt by the Procurement Officer. Except as provided in COMAR 21.05.02.10, proposals received by the Procurement Officer after the due date, will not be considered. Oral, fax, telegraphic, e-mailed or electronic submissions shall not be accepted. The Proposal and all proposal forms of each Offeror shall be signed by a corporate officer, partner, proprietor or individual authorized to legally bind the Offeror.

Proposals will not be opened publicly. The identity of an Offeror and the Register of Proposals may not be disclosed before the Procurement Officer makes a determination recommending the award of the Contract in accordance with applicable regulations.

1.10 Signatures

Each proposal shall be signed by an officer authorized to make a binding commitment for the firm(s) making the proposals.

1.11 Duration of Offer

Proposals submitted in response to this RFP are irrevocable for 210 days following the due date of proposals or of Best and Final Offers (BAFOs), if requested. This period may be extended at the Procurement Officer's request only with the Offeror's written agreement.

1.12 Revisions to the RFP

In the event that it becomes necessary to enable Offerors to make an adequate interpretation of the provisions of this RFP, or if any substantive issues require change or clarification, an addendum to the RFP will be provided to each known Offeror. Offerors shall acknowledge receipt of all addenda to the RFP prior to the due date for proposals in the Transmittal Letter of the Technical Proposal.

If it becomes necessary to revise this RFP after the due date for proposals, amendments will be sent only to those Offerors who submitted a timely proposal. Acknowledgement of the receipt of amendments to the RFP issued after the proposal due date shall be in the manner specified in the amendment notice. Failure to acknowledge receipt of amendments does not relieve the Offeror from complying with all terms of any such amendment.

1.13 Acceptance of Proposals

The MTA intends to award one (1) contract to the Offeror that best satisfies the needs of the MTA, price and other factors considered. This request does not commit the MTA to award a contract. Contents of the Offeror's proposal shall become contractual obligations if a contract ensues.

1.14 Cancellations or Rejection Of Proposals

The State reserves the right to cancel this RFP, accept or reject any and all proposals, in whole or in part, received in response to this RFP, to waive or permit cure of minor irregularities, and to conduct discussions with all qualified or potentially qualified Offerors in any manner necessary to serve the best interests of the State of Maryland. The State also reserves the right, in its sole discretion, to award a contract based upon the written proposals received without additional discussions or negotiations.

1.15 Discussions

MTA may enter into discussions with all qualified Offerors. The term "qualified Offeror" includes only those responsible Offerors who submitted proposals initially judged by the Procurement Officer to be reasonably susceptible of being selected for award. Discussions shall be led by the Offeror's Team/Project Manager and will consist of an oral presentation by the Offeror to the MDOT Evaluation Committee, including

questions from and discussions with the Committee and Procurement Officer. Offerors shall be notified of the time, date and location of the discussions. A submission of a proposal does not guarantee an Offeror the opportunity to be invited in for discussions.

The MTA retains the right, at its discretion, not to hold discussions with Offerors and may award a contract on the basis of Technical and Financial Proposals as submitted if, in the judgment of the Procurement Officer, the Offeror response demonstrates sufficient competition so that acceptance of an initial offer without discussion or negotiation would result in a fair and reasonable price.

1.16 **Oral Presentations**

Offerors may be required to make oral presentations to State representatives and/or participate in discussion meetings with State representatives. Significant representations made by an Offeror during oral presentations or discussion meetings must be reduced to writing. All such representations will become part of the Offeror's proposal and are binding if the contract is awarded. The Procurement Officer will notify Offeror's of the time and place of oral presentations and/or discussion meetings.

If requested, oral presentations will occur approximately two (2) weeks after the proposal due date. Offerors shall plan accordingly.

Oral presentations shall follow a specified format and will generally be limited in time, followed by questions and discussion. The Procurement Officer will issue a letter with details and instructions prior to the presentations.

The presentation may include but not be limited to the following items in the Offeror's technical proposal.

- Description of how the Offeror plans to meet the identified requirements in the RFP
- Experience and capabilities
- Description of the organization
- Description of how the Offeror plans to meet RFP reporting requirements

1.17 **Best and Final Offers**

When in the best interest of the State, the Procurement Officer may permit qualified Offerors to revise their initial proposals by submitting Best and Final Offers. This action is in accordance with COMAR 21.05.03.03.D.

1.18 **Incurred Expenses**

The State will not be responsible for any costs incurred by an Offeror in preparing and submitting a proposal, in making oral presentations, in attending discussion meetings, in providing a demonstration, or in performing any other activities relative to this RFP.

1.19 **Use Of "eMaryland Marketplace"**

"e-Maryland Marketplace" is an electronic commerce system administered by the Maryland Department of General Services.

Registration is free and will provide a means for your business to receive e-mail notifications of upcoming contracting opportunities in specified areas of interest and

expertise. This means that all such information is immediately available to subscribers to e-Maryland Marketplace. Because of the instant access afforded by e-Maryland Marketplace, it is recommended that all Offerors interested in doing business with Maryland State agencies subscribe to e-Maryland Marketplace. For more eMM registration information, visit the website: <http://ebidmarketplace.com>.

A Contractor must be registered on eMM in order to receive a Contract award. Registration on eMM is free.

1.20 Economy of Preparation

Proposals shall be prepared simply and economically, providing a straightforward, concise description of the Offeror's proposals to meet the requirements of this RFP. The use of standard product descriptions and brochures is encouraged where appropriate.

1.21 Compliance with Law

By submitting an offer in response to this RFP, the Offeror selected for award agrees that it shall comply with all Federal, Maryland State and local law applicable to its activities and obligations under the Contract.

1.22 Arrearages

By submitting a response to this RFP, the Offeror(s) represents that it is not in arrears in the payment of any obligations due to the State of Maryland, including the payment of taxes and employee benefits and that it shall not become in arrears during the term of this contract if selected for the contract award.

1.23 Procurement Regulations

The RFP and any resulting contract shall be governed by the State Finance and Procurement Article and by COMAR Title 21, State Procurement Regulations, as amended.

1.24 Incorporation by Reference

All terms and conditions of the RFP and amendments thereto, all provisions of the successful Offerors' proposal and submittals in response to the RFP and amendments thereto, all applicable State and Federal Laws, statutory and regulatory provisions and orders, shall be incorporated by reference and made a part of the contract to be entered into as a result of this RFP.

1.25 Debriefing of Unsuccessful Offerors

Unsuccessful Offerors shall be debriefed upon their written request (submitted to the Procurement Officer), provided the request is made within a reasonable period of time after receiving notice of not being recommended for award from the Procurement Officer.

Requests for debriefings shall be honored by the MTA at the earliest feasible time after the request is received. Debriefings shall be held in accordance with COMAR 21.05.03.06.

1.26 **Protests/Disputes**

Any Offeror or other interested person who is aggrieved by the award of the contract resulting from this solicitation or proposed award may protest that decision. If a protest is made, it shall be in accordance with Code of Maryland Regulations (COMAR) Section 21.10.

1.27 **Verification of Registration and Tax Payments**

Before a corporation can do business in the State of Maryland it must be registered with the Department of Assessments and Taxation (DAT), State Office Building, Room 803, 301 West Preston Street, Baltimore, Maryland 21201. DAT can be reached at 410-767-1330, or online at www.dat.state.md.us. It is strongly recommended that any potential Offeror complete registration prior to the due date for receipt of proposals. An Offeror's failure to complete registration with the Department of Assessments and Taxation may disqualify an otherwise successful Offeror from final consideration and recommending for contract award.

1.28 **Access to Public Records Act Notice**

An Offeror shall give specific attention to the clear identification of those portions of its proposal that it considers confidential, proprietary commercial information or trade secrets, and provide justification why such materials, upon request, should not be disclosed by the State under the Public Information Act, Title 10, Subtitle 6, Part III of the State Government Article of the Annotated Code of Maryland.

Offerors are advised that, upon request for this information from a third party, the Procurement Officer is required to make an independent determination whether the information can be disclosed (see COMAR 21.05.08.01). Information which is claimed to be confidential is to be placed *after* the Title Page and *before* the Table of Contents in the Technical proposal and, if applicable, in the Financial proposal.

1.29 **Offeror Responsibilities**

The selected Offeror shall be responsible for rendering services for which it has been selected as required by this RFP. All subcontractors shall be identified and a complete description of their role relative to the proposal shall be included in the Offeror's proposal. Additional information regarding DBE subcontractors is provided under paragraph 1.34 below.

If an Offeror that seeks to perform or provide the services required by this RFP is the subsidiary of another entity, all information submitted by the Offeror, such as but not limited to, references, financial reports, **or experience and documentation (e.g. insurance policies, bonds, letters of credit) used to meet minimum qualifications, if any**, shall pertain exclusively to the Offeror, unless the parent organization will guarantee the performance of the subsidiary. If applicable, the Offeror's proposal shall contain an explicit statement that the parent organization will guarantee the performance of the subsidiary. Subcontractors retained for the sole purpose of meeting the established DBE participation goal(s) for this solicitation shall be identified as provided in Attachment 7 of this RFP.

Although experience and documentation of an Offeror’s parent may be used to satisfy minimum qualifications, a parental guarantee of the performance of the Offeror under this Section will not automatically result in crediting the Offeror with the experience and/or qualifications of the parent under any evaluation criteria pertaining to the actual Offeror’s experience and qualifications. Instead, the Offeror will be evaluated on the extent to which the State determines that the experience and qualifications of the parent are transferred to and shared with the Offeror, any stated intent by the parent in its guarantee of performance for direct involvement in the performance of the Contract, and the value of the parent’s participation as determined by the State.

1.30 Mandatory Contractual Terms

By submitting an offer in response to this RFP, an Offeror, if selected for award, shall be deemed to have accepted the terms of this RFP and the Contract Agreement, attached as Attachment 11, the General Provisions for Purchase Contracts (GPs) and the Supplementary General Provisions for Construction Contracts (SGPs). A proposal that takes exception to these terms may be rejected unless the exceptions are properly identified and described in the Compliance Matrix and acceptance by MTA.

1.31 Bid / Proposal Affidavit

A completed Bid/Proposal Affidavit must accompany the proposal submitted by an Offeror. A copy of this Affidavit is included as Attachment 4 of this RFP.

1.32 Sample Contract and Contract Affidavit

All Offerors are advised that if a contract is awarded as a result of this RFP, the successful Offeror will be required to complete a Contract and a Contract Affidavit. A copy of the Contract and the Affidavit is included for informational purposes as Attachments 11 and 12 of this RFP. This Contract and Affidavit must be provided within ten (10) business days of notification of proposed contract award. For purposes of Section B of the Affidavit (Certification of Registration or Qualification with the State Department of Assessments and Taxation), please note that any company incorporated outside of Maryland is considered a “foreign” company.

1.33 Conflict of Interest

By submitting a Proposal, the Offeror covenants that it presently has no interest, and shall not have any interest, direct or indirect, that would conflict in any manner with the performance of the services required under this RFP. Without limitation, the Offeror represents to and agrees with the State that the Offeror has no conflict of interest between providing the State services requested hereunder and any interest the Offeror may have with respect to any other Person or interest adverse or potentially adverse to the State.

Section 15-508 of the State Government Article of the Annotated Code of Maryland contains various restrictions on participating in a State procurement. Generally, subject to certain exceptions, any Person who assists, or employs another Person to assist, in drafting of specifications, an invitation for bids, or a request for proposals for procurement, or to assist in the selection or award for procurement may not:

- A. submit a bid or proposal for that procurement or;

- B. assist another Person, directly or indirectly, that is submitting a bid or proposal for that procurement.

The Procurement Officer may determine that a Person that violates the Section 15-508 prohibitions is not a “responsible offeror” under COMAR 21.06.01.01. Any Proposal received from such a Person may be rejected pursuant to COMAR 21.06.01.01 and COMAR 21.06.02.03. Any questions regarding Section 15-508 should be directed to the Maryland State Ethics Commission.

1.34 **Disadvantaged Business Program**

A. DISADVANTAGED BUSINESS ENTERPRISES ARE ENCOURAGED TO RESPOND TO THIS SOLICITATION NOTICE.

- B. The Maryland Transit Administration hereby notifies all bidders that, in regard to any Contract entered into pursuant to this advertisement, Disadvantaged Business Enterprises will be afforded full opportunity to submit Bids in response to this Notice, and will not be subjected to discrimination on the basis of political or religious opinion or affiliation, race color, creed, sex, age or national origin in consideration for an award.
- C. It is the goal of the Administration that Disadvantaged Business Enterprises participate in all Contracts. Each Contract will contain goals for Disadvantaged Business Enterprise participation on a contract-to-contract basis. A subcontracting goal of twenty-five percent (25 %) has been established for this procurement. All bidders must submit with their bid a fully executed copy of the Certified DBE Utilization and Fair Solicitation Affidavit (MDOT DBE FORM A) and DBE Participation Schedule (MDOT DBE FORM B). If the bidder fails to submit these completed forms with the bid as required, the procurement officer shall deem the bid non-responsive or shall determine that the offer is not reasonably susceptible of being selected for award. **ALL DBE FIRMS MUST BE CERTIFIED BY THE MARYLAND DEPARTMENT OF TRANSPORTATION. NO OTHER CERTIFICATIONS WILL BE ACCEPTED.**
- D. **A contractor may count toward its DBE goal 60 percent of its expenditures for materials and supplies required under the contract and obtained from a DBE regular dealer, and 100 percent of such expenditures to a DBE manufacturer. The DBE credited supplies may not exceed 60 percent of the entire contract goal.**
- E. New versions of Sections 13-103, 13-104 and 14-303 of the State Finance and Procurement Article of the Maryland Code, relating to increased bid/proposal documentation of MBE commitments, are effective as of October 1, 2004. The Contract under this solicitation will be awarded in accordance with these new requirements. As a result, new bid submission requirements, including certain revised DBE documents, are in effect for this solicitation. These new requirements are set forth elsewhere in this solicitation.

F. As a result of the revisions to Sections 13-103, 13-104 and 14-303, certain existing portions of the Code of Maryland Regulations (COMAR) relating to post bid/proposal submission of MBE subcontractors are inconsistent with the revised statute. To the extent the provisions of COMAR relating to post bid identification of DBE subcontractors are inconsistent with the requirements of this solicitation, the requirements of this solicitation shall control the award of a Contract. Questions or concerns regarding the DBE requirements of this solicitation must be raised prior to the opening of bids or receipt of initial proposals

1.35 Affirmative Action Requirements

Offerors on this work will be required to comply with MTA Affirmative Action Requirements and all applicable Equal Employment Opportunity Laws and Regulations.

1.36 Procurement Method

This procurement is being conducted in accordance with the Code of Maryland Regulation (COMAR), Title 21, State Procurement Regulations, COMAR 21.05.03, Procurement by Competitive Sealed Proposals. In accordance with COMAR 21.05.03.03F, the State intends to award a contract to the selected responsible Offeror(s) whose proposal is determined to be the most advantageous to the state, considering price and the evaluation factors set forth herein. A responsible Offeror is one who has the capability in all respects to perform fully all contract requirements and who has the integrity and reliability which will assure good performance.

1.37 Electronic Funds Transfer

By submitting a response to this solicitation, the Offeror agrees to accept payments by electronic funds transfer unless the State Comptroller's Office grants an exemption. The selected Bidder/Offeror shall register using the attached form COT/GAD X-10 Vendor Electronic Funds (EFT) Registration Request Form (Attachment 10). Any request for exemption must be submitted to the State Comptroller's Office for approval at the address specified on the COT/GAD X-10 form and must include the business identification information as stated on the form and include the reason for the exemption.

1.38 False Statements

Offerors are advised that Section 11-205.1 of the State Finance and Procurement Article of the Annotated Code of Maryland provides as follows:

1. In connection with a procurement contract a person may not willfully:
 - (a) falsify, conceal, or suppress a material fact by any scheme or device;
 - (b) make a false or fraudulent statement or representation of a material fact; or
 - (c) use a false writing or document that contains a false or fraudulent statement or entry of a material fact.

2. A person may not aid or conspire with another person to commit an act under subsection (1) of this section.

3. A person who violates any provision of this section is guilty of a felony and on conviction is subject to a fine not exceeding \$20,000 or imprisonment not exceeding 5 years or both.

1.39 Alternate Proposals and Multiple Proposals

Alternate or multiple proposals will not be accepted.

1.40 Federal Funding

Any contract resulting from bids submitted is subject to a Financial Assistance Contract between the Administration and the U.S. Department of Transportation. This contract is 100% federally funded.

1.41 Resident Business Reciprocal Preferences

A "resident business" is a business whose principal office or principal base of operations is located in the State.

A resident business preference is any preference that favors a resident business over a non-resident business. Such preferences include percentage preferences, discounts, point allowances, and employee residence requirements. Such preferences can be established by statute, regulation, executive or administrative order, directive, policy or practice.

Maryland law does not authorize procurement officers to favor a resident business over a non-resident business when awarding procurement contracts, unless the resident business is competing against a non-resident business whose home state grants resident business preferences. In the event that a non-resident business' home state grants resident business preferences, the procurement officer will give the resident business a reciprocal preference, i.e. the same preference as is offered by the out-of-state vendor's home state, unless the application of the reciprocal preference conflicts with a federal law or a grant affecting the procurement contracts.

1.42 Electronic Procurements Authorized

Under COMAR 21.03.05, unless otherwise prohibited by law, the Maryland Transit Administration (MTA) may conduct procurement transactions by electronic means, including the solicitation, bidding, award, execution, and administration of a contract, as provided in the Maryland Uniform Electronic Transactions Act, Commercial Law Article, Title 21, Annotated Code of Maryland.

Participation in the solicitation process on a procurement contract for which electronic means has been authorized shall constitute consent by the bidder/offeror to conduct by electronic means all elements of the procurement of that Contract which are specifically authorized under the RFP or the Contract.

“Electronic means” refers to exchanges or communications using electronic, digital, magnetic, wireless, optical, electromagnetic, or other means of electronically conducting

transactions. Electronic means includes facsimile, electronic mail, internet-based communications, electronic funds transfer, specific electronic bidding platforms (e.g. eMarylandMarketplace.com), and electronic data interchange.

In addition to specific electronic transactions specifically authorized in other sections of this RFP (e.g. §BB related to EFT) and subject to the exclusions noted in section 5 of this subsection, the following transactions are authorized to be conducted by electronic means on the terms described:

1. The Procurement Officer may conduct the procurement using eMarylandMarketplace, e-mail or facsimile to issue:
 - (a) the solicitation (e.g. the RFP);
 - (b) any amendments;
 - (c) pre-proposal conference documents;
 - (d) questions and responses;
 - (e) communications regarding the solicitation or proposal to any Offeror or potential Offeror including requests for clarification, explanation, or removal of elements of an Offeror's proposal deemed not acceptable;
 - (f) notices of award selection or non-selection; and
 - (g) the Procurement Officer's decision on any protest or Contract claim.

2. An Offeror or potential Offeror may use e-mail or facsimile to:
 - (a) ask questions regarding the solicitation;
 - (b) reply to any material received from the Procurement Officer by electronic means that includes a Procurement Officer's request or direction to reply by e-mail or facsimile, but only on the terms specifically approved and directed by the Procurement Officer;
 - (c) request a debriefing; or,
 - (d) submit a "No Bid Response" to the solicitation.

3. The Procurement Officer, the State's Contract Manager and the Contractor may conduct day-to-day Contract administration, except as outlined below of this subsection utilizing e-mail, facsimile or other electronic means if authorized by the Procurement Officer or Contract Manager.

The following transactions related to this procurement and any Contract awarded pursuant to it are *not authorized* to be conducted by electronic means:

1. submission of initial bids or proposals;
2. filing of protests;
3. filing of Contract claims;
4. submission of documents determined by MTA to require original signatures (e.g. Contract execution, Contract modifications, etc); or

5. any transaction, submission, or communication where the Procurement Officer has specifically directed that a response from the Contractor, Bidder or Offeror be provided in writing or hard copy.

Any facsimile or electronic mail transmission is only authorized to the facsimile numbers or electronic mail addresses for the identified person as provided in the RFP, the Contract, or, as directed in writing by the Procurement Officer or Contract Manager.

1.43 **Prompt Payment Requirements**

This procurement and the contract to be awarded pursuant to this solicitation are subject to the Prompt Payment Policy Directive issued by the Governor's Office of Minority Affairs and dated August 1, 2008. Promulgated pursuant to Sections 11-201, 13-205(a), and Title 14, Subtitle 3 of the State Finance and Procurement Article (SFP), and Code of Maryland Regulations (COMAR) 21.01.03 and 21.11.03.01 et seq., the Directive seeks to ensure the prompt payment of all subcontractors on non-construction procurement contracts. The successful Offeror who is awarded a contract must comply with the prompt payment requirements outlined in the Contract (see Attachment 29). Additional information is available on the GOMA website at www.mdminoritybusiness.com.

1.44 **Availability of Documents**

Specifications may be downloaded from the MTA web site located at www.mta.maryland.gov. Vendors will be required to register the first time specifications are downloaded and a login number will be assigned. This number should be used every time the vendor downloads the documents for this contract. Vendors must supply accurate information in order to receive notice of all subsequent addenda.

1.45 **Electronic Version of Proposal Documents**

The proposal documents will be available by electronic means. The Offeror acknowledges and accepts full responsibility to ensure that the Offeror has made no changes to the Administration's bid documents. In the event of a conflict between the versions of the bid documents in the offeror's possession and the version maintained by the Procurement Officer, the version maintained by the Procurement Officer shall govern.

1.46 **Bonds**

Payment and Performance Bonds in the amount of the Contract Price will also be required (see Attachments 14 and 15).

1.47 **Suspension and Debarment Certification**

All offerors will be required to certify that they are not on the GSA List of Parties Excluded from Procurement and the List of Contractors Suspended or Debarred from Contracting with the State of Maryland. All offerors must also be in good standing with the State Assessment & Taxation Department.

1.48 **Anti-Dumping Act**

An Offeror shall represent and warrant in its Price Proposal that the prices contained in its proposal, and the prices on which its Proposal prices are based, do not violate the

United States Anti-Dumping Act, U.S. Code, Title 19, Section 1673 *et seq.* and that the Offeror will pay any duties or other charges assessed under the said Act and will indemnify and defend MTA and hold it harmless from any loss or expense, including but not limited to reasonable attorney's fees, that MTA may incur from any claim, demand, or investigation of alleged violation of the said Act.

1.49 Insurance Requirements

The Administration will provide Workers' Compensation, General Liability, Excess Liability, Builders Risk, Pollution Liability and Railroad Protective coverage on behalf of Contractors and subcontractors working on this project. This approach to project insurance is commonly called a wrap-up or owner controlled insurance program (OCIP). Specific information regarding Liability Insurance Requirements is contained in the Contract Specifications.

Please note that an Insurance Premium Worksheet must be included with each bid package.

1.50 Buy America Requirements

This contract is subject to Section 165, "Buy America", of the Surface Transportation Assistant Act of 1982, U.S. Public Law 197-424, and regulations and/or guidance implementing this statutory provision issued by the Federal Transit Administration of the U.S. Department of Transportation. The contract is further subject to the Buy American Steel requirements of Chapter 02 of subtitle 11 of the Code of Maryland Regulations, Title 21, State Procurement Regulations.

1.51 Federal Wage Rates

Federal Wage Rates apply to this contract. See Section 2A in the Contract Specifications.

1.52 Conflict Minerals Notice

Offerors are advised that Md. Ann. Code, State Finance and Procurement Article, § 14-413 provides as follows:

- (a)
 - (1) In this section the following words have the meanings indicated.
 - (2)
 - (i) "Conflict mineral" means a mineral or mineral derivative determined under federal law to be financing human conflict.
 - (ii) "Conflict mineral" includes columbite-tantalite (coltan), cassiterite, gold, wolframite, or derivatives of these minerals.
 - (3) "Noncompliant person" means a person:
 - (i) that is required to disclose under federal law information relating to conflict minerals that originated in the Democratic Republic of the Congo or its neighboring countries; and
 - (ii) for which the disclosure is not filed, is considered under federal law to be an unreliable determination, or contains false information.
- (b) A unit may not knowingly procure supplies or services from a noncompliant person.

By submitting a response to this solicitation, the Offeror represents that it is in compliance with the disclosure requirements related to conflict minerals, as set forth in § 14-413 of the State Finance and Procurement Article.

1.53 Location of the Performance of Services Disclosure

A proposal submitted by an Offeror must be accompanied by a completed Location of the Performance of Services Disclosure. A copy of this Disclosure is included as Attachment 18 of this RFP.

1.54 Investment Activities in Iran Certification

A proposal submitted by an Offeror must be accompanied by a completed Investment Activities in Iran Certification. A copy of this Certification is included as Attachment 17 of this RFP.

1.55 Rights to Records

The Contractor agrees that all documents and materials, including but not limited to, reports, drawings, studies, specifications estimates, tests, maps, photographs, designs, graphics, mechanical, artwork, computations and data prepared by the Contractor for purposes of this contract shall be the sole property of the agency and shall be available to the Agency at any time. The Agency shall have the right to use the same without restriction and without compensation to the Contractor other than that specifically provided by this Contract.

Nothing in this item shall abrogate or transfer any intellectual property rights of the Contractor in its proprietary information related to its methodologies, methods of analysis, ideas, know-how, methods, techniques and skills possessed prior to this Contract.

The Contractor agrees that at all times during the term of this Contract and thereafter, the works created and services performed under this Contract shall be “works made for hire” as that term is interpreted under U.S. copyright law. To the extent that any products created under this Contract are not works for hire for the Agency, the Contractor hereby relinquishes, transfers and assigns to the State all of its rights, title and interest (including all intellectual property rights) to all such products created under this Contract, and will cooperate reasonably with the State in effectuating and registering any necessary assignments.

The Contractor shall report to the Agency, promptly and in written detail, each notice or claim of copyright infringement received by the Contractor with respect to all data delivered under this Contract.

The Contractor shall not affix any restrictive markings upon any data and if such markings are affixed, the Agency shall have the right at any time to modify, remove, obliterate, or ignore such warnings.

Upon termination of the Contract, the Contractor, at its own expense, shall deliver any equipment, software or other property provided by the State to the place designated by the Procurement Officer.

END SECTION I

**MARYLAND TRANSIT ADMINISTRATION
HOMELAND SECURITY SURVEILLANCE PROJECT PHASE IV
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SECTION 3 – PROPOSAL FORMAT**3.0 PROPOSAL FORMAT****3.1 Two Part Submission**

Offerors shall submit proposals in two separate volumes:

- Volume I – TECHNICAL PROPOSAL
- Volume II – FINANCIAL PROPOSAL

Volume I – Technical Proposal, shall be sealed separately from Volume II – Financial Proposal, but submitted simultaneously to the Procurement Officer. The Technical and Price Proposals will be reviewed for consistency with and response to the requirements of this RFP.

All interested Offerors must submit their proposals in a separate sealed carton or envelope and clearly labeled “**Technical and Price Proposals for Contract No. MTA-1397 – Homeland Security Surveillance Project Phase IV**” and deliver the documents to:

Rick Owens
Procurement Officer
MTA, Procurement Division
6 Saint Paul Street, 7th Floor
Baltimore, MD 21202
Phone: 410-767-3360 / Fax: 410-333-4810
Email: rowens@mta.maryland.gov

Proposals must be delivered on or before **2:00 PM Eastern Standard Time (EST) on June 13, 2013**. Any proposals not received by the time and date shall not be accepted. If offers are mailed, it is the Offeror’s responsibility to make allowances for on-time delivery. All proposals must be typewritten.

Offerors must propose all services identified within the RFP. Offerors who fail to propose all services or all prices for these services, as outlined in the attached Price Proposal Forms, shall be deemed as non-responsive. Technical proposals will be evaluated separately from the financial proposals.

Offeror shall clearly state all exceptions in the required Compliance Matrix along with an explanation of the reason for exception, any benefit to the MTA resulting from the exception and any cost resulting from MTA not accepting the exception.

3.2 Proposal Format and Organization

In order to expedite the evaluation of proposals, by the Administration and to minimize the submission of unnecessary and irrelevant material, the written proposal shall follow the order of presentation as set forth below. All language in the Proposal and all other documents shall be prepared in English. All dimensions shall be in the U.S. standard inch/pound units and metric equivalent, if applicable. Proposals that fail to adhere to this format standard may be excluded from consideration. The format specified in this

Section is designed to ensure the complete submission of information essential to the comprehensive evaluation of the Proposals, and therefore the Proposal Format specified must be followed.

- All pages of both proposal volumes must be consecutively numbered from beginning (Page 1) to end (Page “x”).
- The Proposal shall be submitted in a three-ring loose-leaf folder(s) or equivalent. All text shall be clear of binding and all pages numbered sequentially. Index tabs shall be provided to facilitate referencing of parts and permit ready separation of sections during evaluation.
- The total page count shall not exceed 250 pages, single-sided. Not included in this total page count are the Title Page, Table of Contents, Schematics, Catalogue Cuts, and Compliance Matrix/Table.
- The Proposal shall contain the items outlined herein. The Proposal shall be presented on 8-1/2 x 11 inch sheets, or on 11 x 17 inch sheets for large-scale drawings and exceptions as specified in the Letter of Transmittal (Section 3.3.2) and Compliance Matrix (Attachment 20). All text documents shall be in a Times New Roman 12 font. All submitted documents and attachments shall be suitable for photocopying. Proposals need neither be elaborate nor contain unnecessary artwork. Product brochures may be used if the brochure contains the technical information required for the Proposal.
- The technical proposal shall not include any references to prices proposed by the Offeror. In addition to the instructions below, the Offeror’s technical proposals shall be organized and numbered in the same order as provided in this section of the RFP. This proposal organization will allow State officials and the Evaluation Committee to “map” Offeror responses directly to RFP requirements by paragraph number and cross-check the Compliance Matrix.

3.2.1 Title Page

At a minimum, the title page shall include the following:

- Section Name (e.g., Technical Proposal or Financial Proposal)
- Contract MTA-1397
- Homeland Security Surveillance Project Phase IV
- The Name of the Prime Contractor
- Date

3.3 Technical Proposal Requirements

3.3.1 Volume I – Technical Proposal

The Offeror shall provide the documents that have been identified in this section and listed in other Volumes with their Proposal, including, but not limited to fully executed copies of:

1. Contractor’s Questionnaire Pre-Award Evaluation Data

2. Bid/Proposal Affidavit.
3. Buy America Certificate.
4. Certification Regarding Lobbying.
5. MDOT DBE Form A, “Certified DBE Utilization and Fair Solicitation Affidavit”.
6. MDOT DBE Form B, “DBE Participation Schedule”.
7. Completed Investments in Iran Certification
8. Completed Location of Performance of Services Disclosure
9. Completed Conflict of Interest Affidavit
10. Compliance Matrix
11. Signed copy of the Cover Letter for each Addendum issued by MTA.
12. Completed Insurance Premium Worksheet.

3.3.2 Letter of Transmittal and Compliance Matrix

Submit a letter on the official company stationery, with an original signature by an officer or principal of the Prime Contractor, containing the name and title of the individual authorized to commit the Offeror to perform the work. The purpose of this letter is to transmit the proposal and acknowledge the receipt of any addenda. This letter shall also identify all firms participating in the project team and clearly state that the Proposal is valid for at least two hundred and ten days (210) days from the date on which the Administration accepts proposals or BAFOs. The transmittal letter shall specify the name and address of the Offeror’s representative for receipt of notices under this contract.

The Proposal shall also include a Compliance Matrix/Table which lists all specification requirements and contract terms and conditions marked as either “Comply” or “Exception”. All exceptions to the specifications and contract terms and conditions set forth herein shall contain an explanation of the exception. Contractors shall also acknowledge receipt of all addenda.

3.3.3 Table of Contents

Provide a Table of Contents that delineates all the sections in the Proposal.

3.3.4 Executive Summary

Provide an Executive Summary (not more than five pages long) that summarizes key aspects of the Proposal.

3.3.5 Technical Proposal

The Technical Proposal shall contain information about the Offeror’s technical and management qualifications, experience, and approach to the management and delivery of the Homeland Security Surveillance Project Phase Four. The Technical Proposal shall address each of the topics below.

3.3.6 Statement of Qualifications

Describe the experience and background of the Offeror and associated firms or joint ventures, and provide information to demonstrate that the Offeror has the capability in terms of price responsibility, facilities, and personnel required to accomplish the proposed work. The Offeror shall describe its experience in managing and successfully completing projects similar to this Contract in terms of scope and complexity as detailed in Section 2. This summary shall include the following and is limited to 40 pages in length.

Describe the Offeror's knowledge and experience in installing, operating and maintaining digital surveillance systems for public safety, Ethernet networks, Microsoft server/client hardware and software and systems integration. This shall include the number of years the company has been in existence, the size of the organization, and the primary market served. Provide the number of professional staff who are actively engaged in work on on similar types of contracts, and the number of said staff by job classification. Provide a listing of all projects of similar size and scope completed by the Offeror, either directly or through subcontractors, including English speaking references (contact name, title, company, address, and phone) at each location provided. Offeror must have a minimum of three (3) verifiable installations where the system has been installed and is functioning currently in an efficient and effective manner. These installations must be projects similar to this Contract in terms of size and scope complexity and include installing, operating and maintaining digital surveillance systems for public safety, Ethernet networks, Microsoft server/client hardware and software and systems integration.

List key managerial and technical personnel to be assigned to the Contract, including information about background and experience, and the positions they will fill. Identify proposed project manager, project engineer, systems integration engineer, on-site representative, and other key managerial and technical staff positions. Provide brief resumes for these personnel (no more than two pages for each person). Key information that shall be included as experience is five or more years experience in the design, development, integration and installation of similar systems, either directly or through subcontractors. At a minimum, such experience shall include systems integration, project management, design, development or delivery of digital surveillance systems, Ethernet networks and Microsoft client/server configurations.

Demonstrate maintenance experience in the last five years, as evidenced by contracts of similar size and scope, either directly or through the use of subcontractors. Demonstrate the capability of providing on-site service on all system components (hardware, software, field devices, communications network, etc.) within 4 hours after the Administration's request. This service shall be available 24-hours per day, 7 days a week (24/7).

Describe prior experience implementing systems or projects for an in-service, operating Transit system, with the understanding of Federal Transportation Administration Safety Certification Requirements for these systems.

3.3.7 Project Schedule

Section 01110 describes the project schedule and associated milestones. The Administration desires to complete all aspects of the HSSP Phase IV project at the earliest possible date but no later than May 31, 2015. In order to assure that the Offeror's schedule is understood, the Offeror shall indicate the number of calendar days required to complete the project, as described in Section 01110. The Offeror's project schedule, as discussed herein, shall show these and other project critical completion dates, in calendar days, up to and including all field work and all systems testing.

Discuss the schedule and previous experience in managing projects of the kind envisioned for the HSSP Phase IV Project.

Discuss the interaction required with the Administration personnel to provide status reports and to communicate updates of the project schedule, utilizing sophisticated project management techniques.

Include in proposal PERT charts with identified critical path milestones, all tasks anticipated in this contract (at least down to the level of one week's duration) to demonstrate your understanding of the work required to successfully complete this project. Include a high-level summary schedule summarizing the key milestone data. These schedules shall include the Payment Milestones along with complete resource loading. An electronic version (DVD or CD) of the resource loaded schedule in Adobe Acrobat pdf format shall be enclosed with the original technical proposal.

3.3.8 Project Risk Management

The Offeror shall provide a risk assessment of the HSSP Phase IV Project, as part of the proposal. The assessment shall include the processes that were used to conduct the risk assessment, which shall include identification, analysis, response, and monitoring and control of this project. The objectives of the risk assessment are to insure timely completion of a successful project for the Administration. The risk assessment shall include:

- Risk Management Planning – Include the approach, plan and execution of the risk management activities for the complete HSSP Phase IV Project.
- Risk Identification – Identify the project risk tasks and document their potential impacts.
- Qualitative Risk Analysis – Identify and prioritize the project risk tasks based on their probability of occurrence and impact to the project.
- Quantitative Risk Analysis – Identify and prioritize the project risk tasks based on their impact to the project completion date, and for fulfilling the project scope of work.
- Risk Response Planning – Identify the options and actions to reduce or mitigate the at-risk-tasks so as to eliminate or reduce their impacts on the project completion date.
- Risk Monitoring and Control – Identify how an identified risk is tracked, how other potential risks are monitored, and how the response and recovery plan will be evaluated throughout the project.

3.3.9 Project Organization

Provide a detailed description of the project team. The Project Team is defined as Offeror and any subcontractor who will be utilized to execute the Scope of Work. Include organization charts that illustrate the reporting structure of the project team, identifying specific staff to be assigned to this project. The Contractor's design and installation team shall include an experienced systems integrator, experienced electrical and systems engineers, in addition to traditional construction disciplines. At a minimum, identify the proposed project manager, project engineer, systems integration engineer, on-site representative, professional engineers registered in the state of Maryland who will seal the completed design and construction drawings and other key managerial and technical staff including software, QA/QC, electrical, systems, installation and test engineering personnel. If joint venture, provide a full description of the reporting structure, including the role of each entity and the role of any subcontractor(s). Describe other personnel who, while not directly assigned to the implementation, may support it in some way. Be sure to show points of interaction with Administration staff for design reviews, QA/QC, construction supervision, acceptance testing, etc.

- Include detailed resumes of the proposed project manager, project engineer, systems integration engineer, on-site representative, and other key managerial and technical staff including software, QA/QC, electrical, systems, installation and test engineering personnel (no more than two pages for each person). For project manager and key technical staff, identify the time that the proposed staff will be committed to this project.
- Provide a description of current vendor relationships, including key subcontractor personnel, the relationship to the Offeror, and past joint experience on similar work. The Offeror shall provide a list of all subcontractors and define the subcontractors anticipated work scope.
- Include in the proposal the installation, test and warranty trouble desk structure and procedures, contacts, telephone number and trouble escalation procedures.
- The Offeror shall include a plan indicating how it will meet the goal for participation by Disadvantaged Business Enterprises (DBE) which has been set at twenty (25%) percent of value of this contract. The Offeror shall include the completed Attachment 7. Failure to include these forms will be grounds for rejection of the proposal. See Minority Business Enterprise (Attachment 7) for a description of the Administration's DBE program.

3.3.10 Detailed Technical Proposal

The Offeror shall submit a comprehensive Detailed Technical Proposal in the format and order described below. Review and specifically address each requirement described in the Scope of Work section and clearly describe the proposed approach to meeting or exceeding each requirement. The Offeror is reminded that NO FINANCIAL OR PRICE INFORMATION is to be contained in the Technical Proposal.

3.3.11 Compliance Matrix

Using the Compliance Matrix Form provided in Attachment 20, the Offeror shall list each specification paragraph and indicate whether the proposal is “Comply” or “Exception”. For all “Exceptions”, a description of the proposed variance shall be provided.

3.3.12 System Description

This critically important part of the proposal shall present a high-level overview of the Offeror’s design solution for the HSSP Phase IV Project, and a more detailed functional and technical description of each of the elements or components of the design solution. It shall focus on a presentation of the iCCTV architecture and the means and mechanisms by which elements of the application will be assessed, controlled, and interfaced, and how Administration staff will interact with these systems through the proposed solution.

3.3.13 Hardware

Include high level and detailed schematics, catalogue cuts, product literature, and a table that lists all hardware components to be deployed in the HSSP Phase IV Project. This includes computer and communications hardware, cameras and all other components supplied by the contractor. This table shall show quantity, manufacturer, model number and a description of each hardware component. The material listed in the table will be used for evaluation purposes. It is recognized that the actual hardware components and quantities procured and delivered as part of the HSSP Phase IV Project may change due to next generation technology migration and/or system design development resulting in associated model number changes.

- All hardware shall be in a state of common usage, shall be available commercially-off-the-shelf (COTS), and shall use proven technology. This requirement includes all workstations, data base network servers, control equipment, monitoring devices, communications equipment, and other peripheral devices. The contractor shall reuse existing hardware and infrastructure as identified in the contract documents. The Offeror shall clearly state their hardware recommendation and how the objectives of this request for proposal are achieved by using this equipment. The Offeror shall clearly identify the industry standard(s) to which the proposed hardware will conform.
- The Offeror shall indicate the anticipated heat loads, as well as AC and DC power load requirements (voltage, current, power factor, number of phases) for each piece of hardware. This information will be used to insure that adequate electrical power is available.

3.3.14 Software

The existing Homeland Security Surveillance Project (HSSP) Phases 1, 2 and 3 utilize a complete software suite by Aralia Systems Ltd:

Aralia Inc.,
Attention: Mr. Robert Norrington,
1 North Charles Street, Suite 302
Baltimore, MD 21201
Telephone: 443 692 3597

Cell: 917 826 2147

Email: RNorrington@triremesystems.com

The HSSP Phase 4 software shall be fully compatible and equivalent to the software that has been furnished to the MTA under the HSSP Phase 1, HSSP Phase 2 and HSSP Phase 3.

- List the software package(s) being proposed to meet the functional and technical requirements, indicate the release number, and indicate whether or not this is the current release of software in use.
- The software provided shall function in such a manner as to ensure database integrity. Describe the edit routines incorporated into the proposed software that would prevent software or system failure due to erroneous or inconsistent input data.
- Discuss local and remote diagnostic and maintenance capabilities provided by the proposed system. Remote access is envisioned by the Administration. Describe the security measures that will be provided to prevent unauthorized access to the new systems. Offeror shall provide equipment and services as necessary to implement a “state-of-the-art” high-level remote access security feature acceptable to the Administration.
- Describe the extent to which the proposed new software is currently compliant with Communications Network

Provide a complete description of the hardware and software components required to network the new locations to the existing monitoring location at the PMF. Include product literature, manuals and other information that is appropriate.

3.3.15 Reliability, Availability, Maintainability, Safety (RAMS)

System response time characteristics, availability and reliability, maximum and average response times, Mean Time Between Failure (MTBF) and Mean Time To Repair (MTTR) standards shall be stated. Offeror shall clearly delineate how they will demonstrate and document RAMS during all levels of acceptance testing.

3.3.16 System Development

The proposal shall contain a description of the full complement of activities and tasks that are necessary to tailor and/or customize the HSSP Phase IV systems for Administration’s use, if any. COTS solutions are favored and customization shall be minimized. Other items to include in this description include:

1. Quality Assurance/Quality Control (QA/QC) Plans, Procedures, Audits, Documentation, etc.
2. Testing
3. Documentation
4. Staging, Installation, Integration and Cut-over
5. Training
6. Transition to Operational Status

3.3.17 Documentation

The technical proposal shall include preliminary drafts of the following documents. These plans shall be completely developed by the successful bidder for submittal after NTP per the milestone dates included in the contract documents.

1. Project Management Plan
2. QA/QC Plan
3. System Safety Plan

The technical proposal shall detail the approach to delivery of the documents listed below and as described elsewhere in this RFP and in the Special Provisions:

- ~~1. PDR – Preliminary Design Review~~
2. FDR – Final Design Review
3. Factory Acceptance Test and Test Reports
4. Field Installation Acceptance Test and Test Reports
5. System Acceptance Test Plans and Test Reports
6. 30 Day Operational Test and Test Reports
7. Installation Plan and Reports
8. As-Built Documentation
9. Standard Operating Procedures Manuals
10. Supervisor's Manual
11. System Administrator's Manual
12. Training Manual(s)

3.3.18 Security of Documents

The Offeror shall include a specific and detailed document configuration management and security plan for tracking and controlling all drawings, submittals, contract documents and correspondence and for maintaining a resource library of relevant technical manuals covering the various program elements. In addition, the Offeror shall indicate how its firm will also ensure that the delivery of all documentation to the Administration reflects all installed components.

3.3.19 Warranty

Describe the approach to delivering the warranty services specified herein.

The warranty period for each station (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT) for that station. The warranty shall cover all hardware, software, communication systems, and peripheral devices individually and working as a system that have been provided by the Contractor.

3.3.20 Relationship Between the RFP and the Offeror’s Technical Proposal

When the contract is executed, the RFP documents, including any addenda, supplements, revisions, and those exceptions taken by the Offeror (and agreed to by the Administration), shall serve as the basis for measuring successful completion.

The Offeror’s Technical Proposal (including the management related items and amendments presented and accepted in the BAFO), shall be incorporated into the Final Contract to supplement the requirements of the RFP documents. The Proposal identifies specific hardware, functions, software, implementation methodology, and key personnel that the Offeror expects to use. The successful Offeror is required to provide all the items identified in their Technical Proposal.

In the event the successful Offeror has to provide additional hardware, software, or upgrades for new or upgraded equipment in order to meet the performance requirements of the Proposal Documents, these additional items shall be provided at no additional cost to the Administration.

3.4 Volume II – Financial Proposal

Under separate sealed cover from the Technical Proposal and clearly identified with the same information noted on the Technical Proposal, the Offeror shall submit an original, **six (6) copies**, and an electronic version (CD) in Adobe Acrobat PDF format of the Financial Proposal as described and identified below.

The separately packaged, sealed envelope, identified as “Financial Proposal” shall contain all information described in the Sections below, and in the format specified on the Price Proposal Form. The Price Proposal Form (Attachment 1) must be submitted and completely filled in (no blanks or omissions) and signed by an individual who is authorized to commit the Offeror to the prices, services and requirements as stated in this RFP. Do not change or alter these forms. Nothing shall be entered on these forms that alter or propose conditions or contingencies on the proposed prices.

3.4.1 Financial Proposal Requirements

The Financial Proposal shall indicate the compensation expected for the entire scope of project work. The Financial Proposal shall be complete and inclusive of all hardware, software, material, equipment, travel expenses, maintenance, and related services required to satisfy the Scope of Work identified in this RFP.

The Offeror shall provide the documents that have been identified in this Section in the separately packaged, sealed envelope, identified as “Financial Proposal,” including, the Price Proposal (inclusive of “Contract Financial Proposal” breakdowns for each applicable item.)

3.4.2 Financial Statements

Provide Offeror’s Audited Annual Reports for the most recent 3 (three) years, the latest financial statements, including Balance Sheet, Income Statement, and Statement of Cash Flow showing the firm’s net worth as of a date not earlier than 45 days prior to the proposal due date. An Offeror may substitute an Audited Financial Statement showing their net worth as of a date not earlier than the end of the preceding fiscal year, together with a statement, in writing, signed by a duly authorized representative, that the present

financial condition is at least as good as that shown on the Balance Sheet submitted. Consolidated financial statements are not acceptable unless the parent corporation agrees in writing to guarantee the performance of its subsidiary. The Balance Sheet or statements shall also note the name and address of the primary bank, with the name of the bank representative handling the company accounts.

3.5 Forms and Documents for Information

The successful Offeror will be required to complete additional documents upon award of the Contract. Examples of these documents are listed below, but the list is not all inclusive.

1. A Contract Agreement – Attachment 11
2. A Contract Affidavit – Attachment 12
3. A Payment Bond – Attachment 14
4. A Performance Bond. – Attachment 15
5. DBE Forms - Attachments 7
6. Enrollment in the Owner Controlled Insurance Program (OCIP).
7. Electronic Funds Transfer Forms.
8. Signed copy of Amtrak Exhibit E indicating Contractor’s agreement to enter into agreement with Amtrak upon Contract award.

END OF SECTION 3

SECTION 01000
SUMMARY OF WORK
PART 1: GENERAL

1.01 GENERAL

- A. The Contractor's operations shall conform to all applicable State and Local regulations.
- B. Wherever these Special Provisions refer to the Administration, they shall be understood to mean the Maryland Transit Administration (MTA). Whenever reference is made to Engineer, it shall mean the Administration representative for the contract.
- C. Submittals shall be made in accordance with SECTION 01300 Submittals.

1.02 CONTRACT DOCUMENTS: The work shall be performed in accordance with the following documents:

- A. The Solicitation Information and Instructions referred to as the Request for Proposal (RFP) (applicable to all portions of the work);
- B. General Provisions for Construction Contracts, October, 2001, issued by the State of Maryland Department of Transportation; Supplementary General Provisions and Special Provisions contained herein, issued by the Maryland Transit Administration of the State of Maryland, Department of Transportation, all contained in the Contract Specifications Book.
- C. The Special Provisions, Divisions 1 through 17; the Notice to Contractors; the List of Contract Drawings; and the various forms and exhibits; all contained in the Contract Specifications Book.
- D. The Liability Insurance Requirements; and the MTA Project Safety Plan; all issued by the Maryland Transit Administration of the State of Maryland Department of Transportation and contained in the Contract Specifications Book.
- E. AMTRAK and CXST requirements outlined within exhibits
- F. The Contract Drawings, Standard Plates and Reference Drawings, contained in the Contract Specifications Book or bound separately in the Contract Drawings Books. The Contractor shall not regard these as construction drawings.

- G. Contractor's Proposal (Technical and Financial), along with the Best and Final Offer once executed by the Contractor on behalf of the Contractor and all subcontractors.
- H. The RFP specifically required the Contractor to identify any variances between the requirements of the RFP and Contractor's proposal in a Compliance Matrix. If, at any time after the Contractor submitted the Best and Final Offer (BAFO), any discrepancies are identified between the requirements of the RFP and the Contractor's proposal that are not listed in the Compliance Matrix, then the MTA shall have the sole right to determine whether the work shall be done in accordance with the RFP or in accordance with the Contractor's Proposal. This determination shall be based on what MTA considers to be in its best interest.

1.03 CONTRACT DESCRIPTION:

- A. This Contract is for the construction/installation of Phase 4 of MTA's Homeland Security Surveillance Project (HSSP4) consisting of an Intelligent Closed Circuit TV (iCCTV) system that will provide effective surveillance of the AMTRAK, CSXT, and MTA transit properties, including stations, platforms and station sites. The Phase 4 iCCTV surveillance system builds on Phases 1, 2, and 3 Homeland Security Surveillance Project (HSSP1, HSSP2, and HSSP3) that have already been acquired by the MTA. The HSSP4 hardware, firmware, and software shall be fully compatible and equivalent to the hardware, firmware, and software that have been furnished to the MTA under the HSSP1, HSSP2, and HSSP3 Phases of the HSSP project. The HSSP4 project shall be based on existing proven technology and the use of freely available Commercial Off -The-Shelf (COTS) equipment. The HSSP4 system shall be capable of easy and cost-effective growth toward a complete MTA-wide iCCTV surveillance system.
- B. The HSSP4 project requires the same Homeland Security Surveillance system provided under HSSP1, HSSP2, and HSSP3 to be extended to cover an additional eighteen (18) sites: nine (9) MARC/Amtrak Penn Line Stations, one (1) MARC/Amtrak Camden Line Station, seven (7) Light Rail Stations and one (1) Jones Falls Outflow at Shot Tower Metro Station. HSSP4 also includes the necessary additions and modifications to the existing HSSP hardware, firmware, mapping, and software at the Police Monitoring Facility (PMF). Aralia workstations shall be provided at two remote locations: The first location will have one workstation at the MTA MARC Maintenance Shop, 2700 Eastern Blvd, Baltimore, Maryland, 21220, the second location will have two (2) workstations at MTA MARC Administrative Offices at Bush Street Division, 1515 Washington Blvd. Baltimore, Maryland 21230; removal of MARC existing analog cameras and associated equipment, where required; contractor's **FDR**, testing, and training; and a new HVAC unit at Perryville ticket office if determined necessary by Contractor during final design.

C. HSSP installation sites are as follows:

Metro Subway Station

Jones Falls Outflow at Shot Tower Metro Station

Light Rail Stations:

University of Baltimore/Mount Royal

University Center / Baltimore St.

BWI Airport Station

Cherry Hill Station

Westport Station

Lexington Market

Centre Street

MARC/Amtrak Penn Line Stations:

Aberdeen

Edgewood

Martin State Airport

Baltimore Penn Station

West Baltimore

Halethorpe

Bowie State

Perryville

Seabrook

MARC/Amtrak Camden Line Station:

College Park

PMF: Police Monitoring Facility 4100 Mt. Hope Drive.
Baltimore, MD

D. This SP provides for:

- System hardware, firmware, mapping, and software design, including camera siting surveys and verification of video coverage.
- Procurement, installation, configuration and testing of all necessary systems, hardware, software, and components.
- Installation of iCCTV components at AMTRAK, CSXT and MTA locations.
- Integration of ~~existing analog and new HID Contractor-installed~~ cameras at Amtrak, MARC and MTA stations with existing HSSP software suite.
- Removal of selected existing analog cameras and components at specified MARC stations.
- Contractor's Installation and station Layout Plans.
- Three workstations for Multi-casting of MARC station cameras for the replaced existing analog and new HID cameras.

- Flagging and railroad workers protection required for Amtrak, CSXT, and MTA sites.
 - Manuals, training, aids, and spare parts.
 - Testing and Acceptance testing of all installed components and systems/subsystems.
 - Contractor shall determine if the existing HVAC unit at the Perryville MARC Station ticket office is adequate to handle the extra BTUs generated by the new equipment to be installed inside this room. If not, the contractor shall upgrade the existing HVAC equipment as part of this scope of work.
 - Provision of acceptance warranty terms.
- E. The Phase 4 HSSP CCTV surveillance system shall be provided as a single prime Contractor turn-key project. Appropriate MBE participation is a requirement of the procurement.

1.04 DELIVERABLE SCHEDULE

A. CONTRACT DOCUMENTS REQUIREMENTS LIST (CDRL)

The scheduled due dates for CDRL submittals are as required in Table 1.05 of this section, or as otherwise stated in the Contract documents. Inadvertent omission of required data by the MTA from the table shall neither eliminate the requirement nor cause an extension of time for performance. Submittal items and dates shall be incorporated in the Contractor's schedule. Days are calendar days.

CDRL #	Section	Title	Submittal/Milestone Due Dates (working days)
1	01000	Contractor's Representative	NTP + 5 days
2	01300	Proposed Product List	NTP + 10 days
3	01450	Interim CQC Plan	NTP + 7 days
4	01450	Detailed CQC Plan	NTP + 30 days
5	17612	Copy of Purchase Order Agreement	NTP + 14 days
6	17114	Final Design Review	NTP + 45 days
7	01360	Safety, Health and Substance Abuse Program	Contract Award + 30 days
8	01300	Progress Schedule	20 days after NTP
9	01300	Monthly Progress Schedule Updates	7th day of each Month
10	01300	Time Impact Analysis	30 days after delay
11	17612	Installation, Transition and Migration Plan	30 days prior to installation at PMF
12	17125	Test Plan	NTP + 60
13	17125	Test Procedures	With Test Plan
14	17125	Acceptance Test Procedure (ATP)	21 days before Acceptance Test
15	17114	Detailed Site Installation Plans	With FDR
16	01300	Shop and Working Drawings	21 days in advance of construction

			60 days in advance if CSXT / AMTRAK approval required
17	17114, 17612	Additions to PMF Software.	With FDR
18	17125	Police Monitoring Facility Acceptance Report.	No later than 21 days after completion of Acceptance Test.
19	17125	Test Result Reports	5 days after Test
20	17125	Acceptance Test Report	14 days after completion of each site
21	17114	As-Built Check List	10 days after completion of each site
22	01300	Construction Photographs	Ten per month
23	01450	Source of Material Notification	30 days prior to usage
24	17612	Discrepancy Log	Monthly
25	17114	Master Interface Control Document	With FDR
26	17612	Discrepancy Resolution Report	Monthly
27	17125,17114	University of Baltimore / Mt. Royal Light Rail Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
28	17125,17114	University Center / Baltimore St. Light Rail Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
29	17125,17114	Westport Light Rail Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
30	17125,17114	Cherry Hill Light Rail Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
31	17125,17114	BWI Airport Light Rail Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
32	17125,17114	Lexington Market Light Rail Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
33	17125,17114	Centre Street Light Rail Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
34	17125,17114	Perryville Marc Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
35	17125,17114	Aberdeen Amtrak/Marc Station Acceptance Report and “as-built” drawings	No later than 21 days after completion of Acceptance Test.
36	17125,17114	Edgewood Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
37	17125,17114	Martin State Airport MARC Station Acceptance Report and “as-built”	No later than 21 days after completion of Acceptance Test.

		drawings.	
38	17125,17114	Baltimore Penn Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
39	17125,17114	West Baltimore Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
40	17125,17114	Halethorpe Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
41	17125,17114	Bowie State University Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
42	17125,17114	Seabrook Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
43	17125,17114	College Park Marc Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
44	17125,17114	Jones Falls Outflow at Shot Tower Metro Subway Station Acceptance Report and “as-built” drawings.	No later than 21 days after completion of Acceptance Test.
45	17630	Scope of Manual Revisions	30 days after FDR
46	17630	CD copies of Manuals.	90 days after FDR
47	17630	Training Plan	90 days after FDR
48	17630	Training Materials	30 days before start of training.
49	17650	Warranties	At least 30 days before start date at each station
50	17640	Delivery of Spare Parts	With completion of first station
51	17125	Completion of On Line System Performance Testing	May 31, 2015
52	17125	Final Acceptance Report	June 30, 2015

B. MILESTONE DATES

- a) The start date of contract performance shall be as stipulated in the NTP, unless otherwise specifically agreed by the MTA.
- b) The following milestone dates are proposed. Days are calendar days unless otherwise noted.

Table 2.4.1 Milestone Dates		
Deliverable	Item Description	Milestone

-	Issuance of NTP	NTP + 0 days
1	Interim CQC Plan	NTP + 7 days
2	Detailed CQC Plan	NTP + 30 days
3	Final Design Review (FDR)	NTP + 45 days
4	Acceptance of PMF	NTP + 180 days
5	Acceptance of University of Baltimore / Mt. Royal Light Rail station	May 31, 2015
6	Acceptance of University Center/ Baltimore St. Light Rail station	May 31, 2015
7	Acceptance of Westport Light Rail station	May 31, 2014
8	Acceptance of Cherry Hill Light Rail station	May 31, 2014
9	Acceptance of BWI Airport Light Rail station	May 31, 2014
10	Acceptance of Lexington Market Light Rail station	May 31, 2014
11	Acceptance of Centre Street Light Rail station	May 31, 2014
12	Acceptance of Perryville MARC station	May 31, 2014
13	Acceptance of Aberdeen Amtrak/ MARC station	May 31, 2015
14	Acceptance of Edgewood MARC station	May 31, 2015
15	Acceptance of Martin State Airport MARC station	May 31, 2015
16	Acceptance of Baltimore Penn Station Amtrak/ MARC station	May 31, 2015
17	Acceptance of West Baltimore MARC station	May 31, 2015
18	Acceptance of Halethorpe MARC station	May 31, 2015
19	Acceptance of Bowie State University MARC station	May 31, 2015
20	Acceptance of Seabrook MARC station	May 31, 2014
21	Acceptance of College Park MARC station	May 31, 2015
22	Acceptance of Jones Falls Outflow at Shot Tower Metro Subway station	May 31, 2014
23	Final O&Ms	April 30, 2015
24	Training Materials	30 Days Prior to 1 st Scheduled Training
25	Warranties Delivered	At time of Station Acceptance
26	Completion of On-Line Demonstration Testing	May 31, 2015
27	Delivery of Final Acceptance Test Report	June 30, 2015

1.05 COMPLETION TIME AND LIQUIDATED DAMAGES:

- A. Pursuant to General Provisions Articles GP-8.02 and GP-8.03, commence work on or before the date specified in the Notice to Proceed (NTP) and complete the specified portions of the work within 665 calendar days or 22 months.
- B. In the event that the Contractor fails to complete the specified work within the specified number of days after Notice to Proceed, with the exception of extensions granted by change order, liquidated damages in the amount of \$1,240.00 will be assessed pursuant to General Provisions Article GP-8.09 for each calendar day the completion of the specified work is delayed. The Contractor shall pay to the Administration the applicable amount specified

and pursuant to General Provisions Article GP-8.09 as liquidated damages for every additional calendar day in excess of the number of days prescribed. The Administration may deduct the sum of liquidated damages from any monies due or that may become due the Contractor under the Contract, or if such monies are insufficient, the Contractor or sureties thereof shall pay to the Administration any deficiency within 30 calendar days.

WORK ITEM	NUMBER OF CALENDAR DAYS	LIQUIDATED DAMAGES PER CALENDAR DAY
Completion of <u>All</u> Contract work	665	\$1,240.00

1.06 COMPLETION TIME AND OTHER SCHEDULE REQUIREMENTS:

- A. Pursuant to Article GP-8.03 of the General Provisions, commence work on or before the date stipulated in the Notice to Proceed (NTP) and complete the entire work within the number of calendar days specified in 1.06 above.
- B. Other schedule requirements are given in Section 01300 Submittals.

1.07 CONTRACTOR REPRESENTATIVES:

- A. Designate in Writing within five (5) days after receiving the Notice to Proceed (NTP), the name, official mailing address and telephone number of the Contractor's representative having complete authority to represent and to act for the Contractor. (CDRL#1)

1.08 LIABILITY INSURANCE REQUIREMENTS:

- A. MTA has chosen to provide Workers' Compensation, General Liability, Excess Liability, Builders Risk, Pollution Liability and Railroad Protective coverage on behalf of contractors and subcontractors working on this project. This approach to project insurance is commonly called a wrap-up or owner controlled insurance program (OCIP). Specific information regarding Liability Insurance Requirements is contained in the Contract Specification Book. (See Table of Contents for location of this information.)
- B. Contractors and subcontractors are to **bid work for this project net of insurance (i.e. , The Cost of Workers' Compensation, General Liability, Excess Liability, Builders Risk, Pollution Liability and Railroad Protective applicable to the work site is not be to included in the bid price)**. All bidders must complete the Insurance Premium

Worksheet and forward to MTA with the rest of your bid package. The Premium Worksheet is included in the bid package as form I, Exhibit A. This form should include the Contractor's work as well as the work of all subcontractors included in the initial bid. The insurance premium shown on this form, or the pro rata portion thereof, will be added to the base bid in the event you are excluded from the wrap-up program or the program is terminated mid-term.

- C. Amtrak and CSXT Requirements.

1.09 PAYMENTS TO CONTRACTORS

- A. By submitting a response to this solicitation, the Bidder agrees to accept payments by electronic funds transfer unless the State Comptroller's Office grants an exemption. Specific information regarding electronic funds transfer requirements and how to register for it are contained in the Contract Specification Book (See Table of Contents for location of this information.)

1.10 CONTINGENT ITEMS:

- A. Construction items for which quantities are listed in the Unit Price Schedule as "Contingent" are established for the purpose of obtaining bids on one or more pay items that may be incorporated into the project.
- B. The Engineer will have sole discretion in determining whether and to what extent these items will be incorporated into the project. The Engineer may order these items to be used at any location within the project and anytime during the work. In most cases contingent items will not be shown on the Plans. The estimated quantities specified in the Unit Price Schedule for these items are presented solely for the purpose of obtaining a representative bid price. The total of actual quantities required for the construction may be only a fraction of, or many times the estimated quantity. The requirements of GP-4.04 (Variations in Estimated Quantities) shall apply.

1.11 ADMINISTRATION FURNISHED PRODUCTS:

- A. Contractor parking will be provided at those MTA premises where on-site parking is available.
- B. An appropriate Person Identification badge will be issued by the Maryland Department of General Services (DGS) to those Contractor personnel who will be required to make frequent visits to MTA property. The MTA will coordinate the issuance of these badges. Contractors are advised that a

signed application for each person is required together with a signed Authorization of Release of Information. A photograph will be taken by the DGS, a background check completed, and a fee of \$50.00 is required.

- C. Contractor or sub-contractor personnel who need to enter the right-of-way or track areas of the METRO, Light Rail, or MARC systems are required to attend an appropriate MTA Safety Training Course. Details of these courses will be made available to the Contractor after contract award.
- D. The MTA will allow the Contractor to enter the right-of-way or track areas of the METRO and/or Light Rail systems only after prior coordination and prior approval by the MTA. The MTA will provide any necessary safety or security escorts. Details of these escort requirements will be made available to the Contractor after contract award. The selected contractor will be required to attend a weekly escort and red tag meetings for Metro and Light Rail and MARC transit systems.
- E. Contractor and/or subcontractor personnel who need to enter the right-of-way or track areas of the Amtrak/MARC or CSXTMARC systems are required to attend an appropriate Safety Training Course. Details of these courses will be made available to the Contractor after contract award. In addition, Amtrak and CXST railroad worker's protection (flagging) will be required to enter right-of-way, station areas, and associated property at the expense of the contractor. The Contractor and/or subcontractor shall be required to sign and agree to all terms and conditions indicated in the Amtrak and CSXT requirements.
- F. The entire MTA iCCTV security system is subject to the requirements of the Homeland Security Act, and dissemination of the actual characteristics and capabilities of the system should be avoided to the greatest extent possible. Detailed information should be made available only on a "need to know" basis. Project documentation that includes sensitive information must include the following notice:

“WARNING: This document may contain Sensitive Security Information that is controlled under 49 CFR Part 1520. Should it be determined that this document or any part thereof are indeed controlled under 49 CFR 1520, no part of this document should be released to any persons without a need to know, as defined in 49 CFR 1520, except with the written permission of the Administrator of the Transportation Security MTA, Washington, D.C. Unauthorized release may result in civil penalty or other action. For U.S. Government Agencies, public release is governed by 5 U.S.C 552.”
- G. Section 1.13.H of this SP contains information on the personnel security requirements that pertain to the iCCTV surveillance project.

PART 2: PRODUCTS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.01 SUMMARY OF WORK:

- A. The work required under this Section will not be measured for payment.
- B. All costs in connection herewith will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

END OF SECTION

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SECTION 01300**SUBMITTALS****PART 1: GENERAL****1.01 DESCRIPTION:**

A. This Section specifies the general requirements and procedures for preparing and transmitting data to the Engineer for informational purposes or for approval. The Contractor shall submit three copies of all submittals, design documentation, drawings, plans, procedures and test results to the Administration for review and approval unless otherwise specified. At the same time that the printed copy of each submittal is delivered to the Administration, an electronic copy of the submittal in .pdf format shall be posted on the MTA ProjectWise server. Once the submittal has been approved, an electronic copy of the submittal in native format (the format in which the document was originally prepared) shall also be posted on the MTA ProjectWise server. Other requirements for submittals may be specified under applicable sections of these Specifications. This Section includes but is not limited to:

1. Progress Schedule
 2. Proposed Products List
 3. Contractor's Drawings
 4. Product Data
 5. Sources of Supply and Samples
 6. Manufacturers' Instructions
 7. Manufacturers' Certificates
 8. Operations and Maintenance Data
 9. Progress Photographs
 10. Request for Progress Payment
 11. Estimated Cost Breakdown
- B. Related Work Specified Elsewhere:

1. SECTION 01360 – Project Safety, Health, and Substance Abuse Program
2. SECTION 01450 - Quality Assurance and Quality Control
3. SECTION 01780 - Contract Closeout

1.02 CONSTRUCTION PROGRESS SCHEDULE (in lieu of GP-8.04A):

A. General:

1. Full compliance with the following schedule submission requirement is essential for timely processing of progress payments.
2. The Contractor shall prepare and maintain a progress schedule that shall be the Contractor's working schedule and shall be used to plan, organize and execute the work; record and report actual performance and progress; and forecast remaining work.
3. Schedule work such that any specified intermediate milestones and completion dates are met as specified in these Special Provisions.
4. The initial baseline schedule submittal shall reflect zero status, addressing the contract work as viewed from Notice to Proceed looking forward in time.

B. Progress schedule:

1. Develop a Progress Schedule Document in a Microsoft Project format, displaying the details and timing of the progress schedule, and submit it to the MTA within twenty (20) days after Notice to Proceed for approval (CDRL#8).
2. Provide sufficient detail and clarity of form and technique so that the Contractor can properly control the Contract work and the Engineer can readily monitor and follow progress of the Contract work. The schedule shall reflect on time completion of all contractually specified intermediate milestones and completion dates. The degree of detail shall be to the satisfaction of the Engineer. As a minimum the following factors shall have a bearing on the required depth of detail:
 - a. The types of work to be performed.
 - b. Procurement, fabrication, delivery, installation and test activities for major systems and equipment.

- c. Submittal and approval of contractually required drawing, sketches, calculations, etc..
 - d. Access and availability to work areas.
 - e. Delivery of any Administration furnished equipment.
 - f. Interfaces and dependencies with preceding, concurrent and follow-on contractors.
 - g. Plans for subcontract work.
 - h. Manpower, material and equipment restrictions.
 - i. Planned normal workweek and planned restrictions.
 - j. Weather days per SGP 8.04
 - k. Seven-day week shall be used for activities continuous in nature including but not limited to concrete curing and 30-day operational testing.
 - l. Clearly depict the order and interdependencies of planned activities, including activities of others which affect planning. All activities shall have predecessors and successors.
 - m. Show the intended time for starting and completing each activity.
 - n. Show the intended duration for each activity.
 - o. Clearly and prominently identify specified intermediate milestones and completion dates. It shall be possible to print a milestone schedule from the contractor's approved progress schedule.
 - p. All bar chart schedules shall have horizontal and vertical grid lines.
3. Required Submittals:
- a. Five (5) copies of the Progress Schedule, reflecting contract milestone(s) and completion dates. If the submitted Progress Schedule is larger than 11 x 17 inches in size, a

reproducible copy of the schedule shall be included in the submittal.

- b. Five (5) copies of a narrative containing supplementary information describing the construction methods and any resource restraints to enable the Engineer to evaluate the schedule for its usefulness as a valid and workable project control tool. Include an explanation of any schedule restraints that were incorporated.

C. Administration's Review and Approval:

1. After submission of the complete schedule submittal, the Contractor shall participate in a conference with the Engineer to appraise and evaluate the proposed schedule and make any revisions necessary as a result of this review. The complete revised schedule shall be resubmitted within 10 calendar days after the conference.
2. When the Progress Schedule and Narrative documentation satisfy the Specification requirements and completion dates the Engineer will approve the Contractor's submittal.

D. Monthly Progress Schedule Updates: (CDRL#9)

1. By the seventh of each month submit to the Engineer, for approval, five (5) copies each of:
 - a. Updated Progress Schedule. If the submitted update of the Progress Schedule is larger than 11 x 17 inches in size, a reproducible copy of the schedule shall be included in the submittal.
 - b. Narrative, covering as a minimum:
 - i. A description of physical progress during the report period.
 - ii. Problem areas, current and anticipated.
 - iii. Delays incurred during the report period and an explanation of the same.
 - iv. Delaying factors, their impact and an explanation of corrective actions taken or proposed to mitigate those delays.

-
- v. Changes in activity duration including an explanation.
 - vi. Listing with explanation of added activities.
 - vii. Listing with explanation of deleted activities.
 - viii. Listing with explanation of changes in interdependencies.
 - ix. Plans for forthcoming report period.
3. Submit, for approval, a revised Progress Schedule and Narrative documentation data when one or more of the following conditions occur:
 - a. When a change or delay significantly affects any specified intermediate milestone date, the completion date or the sequence of activities.
 - b. When the Contractor elects to change a sequence of activities affecting any critical path or to significantly change the previously approved schedule submitted.
 - c. When, in the opinion of the Engineer, the status of work is such that the Progress Schedule and Narrative documentation are no longer representative for planning, executing and evaluating the work.
 4. The monthly payment estimate will not be processed prior to the engineer's approval of the monthly Progress Schedule update.
- E. Change Orders, Delays and Time Extensions: Articles GP-4.06, GP-5.14 and GP-8.08 of the General Provisions are augmented by the following requirements.
1. When proposed changes are initiated or delays are experienced submit to the Engineer in writing:
 - a. A Time Impact Analysis illustrating the influence of each change or delay on any specified intermediate milestone date or completion date. The Time Impact Analysis is to include, as a minimum, what critical path activities are affected on what specific workdays and why for each activity for each workday. Also, if the claim is for more

than one contract milestone, the time impact Analysis is to address each contract milestone individually.

- b. A proposal demonstrating how the Contractor plans to incorporate the change or delay into the current Progress Schedule with minimal impact to milestone completion dates. Justification of the plan shall be based on revised activity logic and/or durations in addition to such other supporting evidence, as the Engineer deems necessary.
 - c. Submit five (5) copies of each Time Impact Analysis and schedule Revision Proposal within 30 days after the delay occurs or notice of direction is given to the Contractor. (CDRL#10).
2. The Engineer will, within a reasonable time after receipt of the Contractor's Time Impact Analysis and Schedule Revision Proposal, review the submittal and advise the contractor in writing thereof. Upon agreement by both parties the appropriate revisions shall be incorporated into the Progress Schedule at the next monthly update.
 3. It is understood and agreed that the schedule float time is not for the exclusive use of either the Administration or the Contractor. Extensions of time for performance under any and all of the provisions of this Contract will be granted only to the extent the equitable time adjustment for activities affected exceed the total float along the paths involved.
- F. Where the Engineer has not yet made a final determination, or the parties are unable to agree on the schedule revisions or time extensions, if any, the Contractor shall incorporate such revisions as the Engineer may determine to be appropriate for such interim purposes. It is understood and agreed that any such interim determination for the purpose of this paragraph shall not be binding on either party for any other purpose and that, after the Engineer has made a final determination the Contractor shall revise the Progress Schedule in accordance with the final decision.

1.03 PROPOSED PRODUCTS LIST:

- A. Within ten (10) days after date of Notice to Proceed, submit seven (7) copies of a complete list of major products proposed for use, with name of manufacturer, trade name, and model number for each product. The Engineer's approval of the products list shall not relieve the Contractor of the contract requirements or the requirement of the Contractor to submit

additional detail for fabricated products or more detailed elements of the project. (CDRL#2).

- B. For products specified only by reference standards, give manufacturer, trade name, model or catalog designation, and reference standards.

1.04 CONTRACTOR'S DRAWINGS:

A. General:

1. The Contract Drawings show the general arrangement and such details as are necessary to provide a comprehensive description of the work to be performed.
2. The Contractor shall prepare such Shop and working Drawings as are necessary to adequately perform the work.
 - a. Contract Design Drawings and Shop and working drawings shall be prepared in accordance with MTA Drawing and CADD Standards as in effect during the contract period.
 - b. All Contract Design Drawings and Shop and Working Drawings shall be prepared using the current version of Bentley Microstation and shall be created and maintained using the managed workspace within ProjectWise on MTA's ProjectWise server.
3. All Shop and Working Drawings shall be on sheets measuring 22 inches by 34 inches. Each drawing shall have a blank area five inches by five inches adjacent to the title block to provide space for Contractor and Engineer review stamps. The title block shall display the following:
 - a. Contract Number and Name
 - b. Number and Title of the Drawing
 - c. Date of Drawing or revision
 - d. Name of Contractor and Subcontractor submitting drawing
 - e. Clear identification of contents and location of work
4. Drawings and design calculations for support of excavation, sheeting and shoring, decking, falsework, form work, and for other temporary work and methods of construction the Contractor

proposes to use, will be required to be furnished by the Contractor. Such drawings shall be left to the Contractor who shall be responsible for the safety and successful construction of the work. Drawings and design calculations which are the responsibility of the Contractor, shall bear the seal of a structural engineer, registered in the State of Maryland.

5. A Contractor's transmittal letter shall accompany each submittal. The Contractor's transmittal letter and submittal shall be consecutively numbered and shall clearly and completely describe any variation from the contract requirements.
6. A sequential number shall be shown on each Shop or Working Drawing submission. Re-submittals will be followed by a revision letter (A, B, C, etc.) and handled in the same manner as first submitted.
7. Submittals not conforming to the requirements of this specification shall be summarily rejected.
8. Review and Acceptance shall not relieve the Contractor from his responsibility for accuracy of submittals, for conformity of submittals to requirements of Contract Drawings and Specifications, for compatibility of the described product with contiguous products and the rest of the system, or for protection of completion of the Contract in accordance with the Contract Drawings and Specifications.
9. The Engineer's review, correction and acceptance of submittals shall not relieve the Contractor of responsibility for errors and omissions in submittals and associated calculations.
10. The Contractor's liability to the Administration, in case of deviations in the submittals from requirements of the Contract Document, is not relieved by the Engineer's review and acceptance of submittals containing deviations unless the Administration expressly approves the deviation through the issuance of a change notice.
11. Catalog cuts shall highlight the actual equipment/component proposed to be used. Generic catalog cuts will not be accepted.
12. If the material/equipment/components proposed to be used do not conform to the stipulated standards, the Contractor shall submit the copies of the conforming standards highlighting the deviations from the stipulated standards. The impact of the derivations on

cost and performance shall be brought out in the related submittal and the deviation request.

13. Schedule submittals to expedite the Project, and deliver to Engineer. Coordinate submission of related items.
 14. All work in and on the property of MTA, AMTRAK, CSXT and WMATA or work, which may affect their operations, must be approved by MTA, AMTRAK, CSXT and WMATA. Where work involves MTA, AMTRAK, CSXT and WMATA coordination, the Contractor shall submit four (4) copies of the submittal to the MTA, AMTRAK, CSXT and to WMATA with a copy to the Engineer. For such submittals, the Contractor shall incorporate additional time for MTA, AMTRAK, CSXT and WMATA review in the project schedule. All shop or working drawings shall be sent or delivered to Engineer directly from the Contractor, not from Subcontractors, fabricators or suppliers. No shop drawings concerning work on MTA, AMTRAK, CSXT and WMATA property shall be regarded as approved until MTA, AMTRAK, CSXT, WMATA, and the Engineer grant approval.
 15. All submittals from Subcontractors shall be reviewed and approved by the Contractor prior to submittal to the Engineer. The Contractor's review and approval shall certify that the submitted project has been reviewed by the Contractor and that based on this review, it conforms the contract requirements. Further, the Contractor's approval shall certify that the intended product is compatible with all other products, to which it must integrate and to the overall project.
- B. Shop and Working Drawings:
1. Submit one (1) reproducible and five (5) legible copies plus the number of copies required by the Contractor of all Shop and Working Drawings and required specifications to the Engineer for approval (CDRL#16). These drawings shall be complete and detailed. Shop and Working Drawings shall consist of fabrication, erection and setting drawings, schedule drawings, manufacturer's scale drawings, wiring and control drawings, cuts from entire catalogs, pamphlets, descriptive literature, and performance and test data. Working Drawings shall be accompanied by calculations or other sufficient information to completely explain the structure, machine or system described and its intended manner of use.
 2. Check and coordinate drawings and schedules with the work of all trades involved before they are submitted for the approval of the Engineer. Each drawing shall bear the Contractor's stamp of

- approval as evidence of such checking and coordination. Drawing schedules submitted with out this stamp of approval may be returned to the Contractor for resubmittal.
3. Submit all drawings and schedules sufficiently in advance of construction requirements to permit no less than twenty-one (21) days for review and appropriate action by the Engineer. If submittals require approval from AMTRAK, CSXT and WMATA the Contractor shall allow sixty (60) days for their reviews.
 4. The approval of drawings and schedules will be general, but approval shall not be construed:
 - a. As permitting any departure from the Contract requirements.
 - b. As relieving the Contractor of the responsibility for any errors, including details, dimensions, and materials.
 - c. As approving departures from details furnished by the Engineer, except as otherwise provided herein.
 - d. As a Notice to Proceed on a change to the contract that would result in additional time or cost to the Contractor.
 5. Drawings for work on utility facilities, streets, and other facilities which are constructed for owners other than the Administration shall be coordinated so that the information required by these owners is included on the Working Drawings for their facilities.
 6. If drawings show variations from the Contract requirements because of standard shop practice or for other reasons, describe such variations in the letter of transmittal. If applicable, the Engineer may approve any or all such variations, subject to a proper adjustment in the Contract. If the Contractor fails to describe such variations he shall not be relieved of the responsibility for executing the work in accordance with the Contract, even though such drawings have been approved.
 7. If the drawings or schedules as submitted describe variations in accordance with Article 1.04.B.6 herein and show a departure from the Contract requirements, which the Engineer finds to be in the interest of the Administration and to be so minor as not to involve a change in the Contract price or time performance, the Engineer may approve the drawings.

8. If approved, or approved as noted, by the Engineer, each copy of the drawing will be identified as having received such approval by being so stamped "Approved" or "Approved As Noted" and dated.
9. Drawings stamped "Not Approved" and with the required corrections shown will be returned to the Contractor for correction and resubmittal. Resubmittals will be handled in the same manner as first submittals. On resubmittals the Contractor shall direct the specific attention, in writing or on resubmitted drawings, to revisions other than the corrections requested by the Engineer on previous submittals.
10. The Contractor shall make any corrections required by the Engineer. If the Contractor considers any correction indicated on the drawing to constitute a change of the Contract requirements, notice as required under the Section of the General Provisions entitled Changes shall be given to the Engineer.
11. The number of Shop and Working Drawings provided by the Contractor in excess of the number requested in Article 1.04.B.1 will be returned to the Contractor.
12. When Shop and Working Drawings have been completed to the satisfaction of the Engineer, the Contractor shall carry out the construction in accordance therewith and shall make no further changes except upon written instructions from the Engineer.
13. Submittals which are "Approved as Noted" shall be resubmitted after compliance to the comments relating to the subjective approval. The Contractor shall supply the Engineer with the number of drawings requested in Article 1.04.B.1.
14. The Contractor shall be responsible for, and bear all cost of damages which may result from the ordering of any material or from proceeding with any part of the work prior to the approval by the Engineer of the necessary Shop and Working drawings.

1.05 PRODUCT DATA:

- A. Submit the number of copies required in Article 1.04.B.1.
- B. Mark each copy to identify applicable products, models, options, and other data. Supplement manufacturers' standard data to provide information unique to this Project.
- C. Product data submittals shall include proposed quantity to be used and location of installation.

- D. After review, distribute in accordance with Article 1.04 above and provide copies for Record Documents described in SECTION 01780 - Contract Closeout.

1.06 SOURCE OF SUPPLY AND SAMPLES:

- A. As soon as practicable after Notice to Proceed, furnish for approval of the Engineer the proposed source of supply of materials to be utilized in the project and the samples required by the Specifications or requested by the Engineer. Unless otherwise indicated, submit not less than two identical samples of each type required. Pre-pay all shipping charges on samples. Materials or equipment for which samples are required shall not be used in the work until approved in writing by the Engineer.
- B. Label each sample indicating:
1. Name of Project and Contract Number
 2. Name of Contractor and Subcontractor
 3. Material or equipment represented
 4. Source
 5. Name of producer and brand; include model number, style, color name, etc. if applicable.
 6. Specification Section, Article or Paragraph
 7. Location in project
- C. Samples of finished materials shall have additional markings that will identify them under the finish schedules. Submit samples of finishes from the full range of manufacturers' standard colors, textures, and patterns for the Engineer's selection.
- D. Mail under separate cover letter in triplicate submitting each shipment of samples and containing information required in Article 1.04.B herein. Enclose a copy of this letter with the shipment and send a copy of this letter to the Engineer.
- E. Approval of a sample shall be only for characteristics or use named in such approval and shall not be construed to change or modify any Contract requirements.

- F. Certain samples may be tested by the Administration as specified. Approved samples not destroyed in testing will be retained by the Engineer. Materials and equipment incorporated in the work shall match approved samples. Samples not destroyed in testing and not approved will be returned to the Contractor at his expense, if so requested at time of submission.
- G. Failure of any material to pass specified tests will be sufficient cause for refusal to consider, under the Contract, any further samples of the same brand and make of that material. The Administration reserves the right to disapprove any material or equipment which previously has proved unsatisfactory in service.
- H. Samples of various material or equipment delivered on the site or in place may be taken by the Engineer for testing. Samples failing to meet Contract requirements will automatically void previous approvals of items tested.
- I. When tests are required, only one test of each sample proposed for use will be made at the expense of the Administration. Samples, which do not meet Specification requirements, will be rejected. Retesting of additional samples will be made by the Administration at the expense of the Contractor.

1.07 MANUFACTURERS' INSTRUCTIONS:

- A. When specified individual Specification Sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for Product Data.
- B. Identify conflicts between manufacturers' instructions and Contract Documents.

1.08 MANUFACTURERS' CERTIFICATES:

- A. When specified in individual specification Sections, submit manufacturers' certificate to Engineer for review, in quantities specified for Product Data.
- B. Indicate material or Product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- C. Certificates may be recent or previous test results on Material or Product, but must be acceptable to the Engineer.

1.09 OPERATIONS AND MAINTENANCE DATA:

- A. At least ten (10) days prior to acceptance of the work, prepare and deliver to the Engineer three copies of a manual containing all information pertaining to and necessary for the operation and maintenance of all equipment provided under the Contract.
- B. Format, organization, and contents of the manual shall be as specified in the order of the Sections of the Special Provisions. [Include all information required in the individual section.]

1.10 PROGRESS PHOTOGRAPHS:

- A. After construction operations have started at the site, have an average of ten color photographs taken each month until completion of the work (CDRL#22). The actual number and location of views to be taken each month shall be as designated by the Engineer. The negatives and three prints of each photograph shall be submitted to the Engineer within ten days after taking. If a digital camera is used, the camera must have at least 12 megapixels and in lieu of the negative, a JPG fine (1:4 compression) and a digital negative (DNG) produced using Abode's DNG converter are to be provided for each photograph.
- B. Prints shall be standard commercial quality, 8 x 10 inches, on single weight glossy paper. Identify photographs with date, time, orientation and project identification in an information box, 1 1/2 x 3 1/2 inches in the lower right hand corner, typewritten and arranged as follows:

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

CONTRACT NAME: _____

CONTRACT NO. _____

CONTRACTOR _____

PHOTOGRAPH NO. _____ DATE _____

(Information regarding view such as location, direction of sight and significant points of interest.)

- C. Photographs shall be enclosed back-to-back in a double-faced plastic sleeve punched to fit standard three-ring binders. Enclose negatives in protective envelopes. JPG and DNG files can be provided on either CD-R or DVD media.

1.11 REQUEST FOR PROGRESS PAYMENT:

- A. In accordance with Section GP-9 of the General Provisions, submit monthly requests for progress payment, based upon work accomplished during the previous month.
- B. Support such requests by evidence that the work invoiced has been done.

1.12 ESTIMATED COST BREAKDOWN:

- A. In accordance with Supplementary General Provisions, Article SGP-9.03, furnish a breakdown of Contract lump sum prices for which it is anticipated that partial payment will be requested by the Contractor.
- B. Submit the estimated cost breakdown to the Engineer for approval at least 30 days prior to the anticipated partial payment request.

**PART 2: PRODUCTS
NOT USED****PART 3: EXECUTION
NOT USED****PART 4: MEASUREMENT AND PAYMENT****4.01 SUBMITTALS:**

- A. The work required under this Section will not be measured for payment.
- B. All costs in connection herewith will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

END OF SECTION

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SECTION 16124
ELECTRICAL COMPONENTS
PART 1: GENERAL

1.01 DESCRIPTION:

- A. The work in this Section consists of furnishing electrical components applicable to electrical work for installation of systems specified in other sections, except as may be modified in those Sections. The electrical work includes installation of electrical components for the transformation, transmission or distribution of power and data used for the operation of surveillance equipment.
- B. Related Work Specified Elsewhere:
 - 1. Section 01000 – Summary of Work
 - 2. Section 01300 – Submittals
 - 3. Section 16050 – Basic Electrical Materials and Methods
 - 4. Section 16060 – Grounding and Bonding
 - 5. Section 16123 – Cabinets and Enclosures
 - 6. Section 17125 – Testing and Inspection
 - 7. Section 17520 – Wide Area Network and Communication Cabinets

1.02 QUALITY ASSURANCE:

- A. Production tests shall be performed on materials and certified by the Manufacturer.
- B. Materials specified shall meet or exceed the requirements of the cited references.
- C. All components and materials shall be UL listed.

1.03 SUBMITTALS

- A. Per SECTION 01300 – Submittals and the additional requirements as specified herein:

- B. Provide manufacturer's standard catalog data for all items described in this specification indicating conformation and compliance with standards and criteria indicated.
- C. Proof of compliance with UL requirements to be listed and approved.

PART 2: PRODUCTS

2.01 GENERAL

- A. Materials furnished shall be standard products of manufacturer regularly engaged in the production of materials specified.

2.02 EDGE SWITCH:

- A. Manufacturers: GarrettCom Model ES42P or approved equal
 - 1. Fiber Port Data Rate 100Mb
 - 2. RJ-45 Port Data Rate 10Mb
 - 3. Network Standards: Ethernet IEEE 802.3u, IEEE 802.3, 100BASE-TX, 10BASE-T, 100BASE-FX
 - 4. Ambient Temperature rating of -40°C to 75°C
 - 5. LED Indicators
 - 6. 12Vdc input

2.03 EDGE SWITCH TRAY:

- A. Manufacturers: GarrettCom: Model MC14-TRAY or approved equal
 - 1. Rugged high-strength sheet metal, metal mounting screws
 - 2. Compatible with Edge Switch and power supply as indicated

2.04 WALL MOUNT FIBER OPTIC PATCH PANEL:

- A. Pre-loaded with adapters, nominal dimensions: 12in high x 3 in deep x 12 in wide, integral hasp for use with off-the-shelf padlocks, door preventing access to

- B. adapter ports when closed and loaded to include one splice holder, one splice tray and cable management rings.

2.05 RACK MOUNT FIBER OPTIC PATCH PANEL:

- A. Enclosures pre-loaded with adapters, fits standard TIA 19-inch racks, slide and tilt drawer, quick release front panel, forward flush or recess mounting and cable strain relief and management rings included.

2.06 NETWORK SWITCH:

- A. Manufacturers: Cisco: Model WS-C3750X-48T-S or approved equal
 - 1. Stackable 48 10/100/1000 Ethernet ports, with 350W AC power supply 1 RU, IP Base feature set, Open Shortest Path First (OSPF) for routed access in IP Base image, uplink network modules with 10GE ports and dual redundant, modular power supplies and fans

2.07 UNINTERRUPTIBLE POWER SUPPLY (UPS):

- A. Manufacturers: APC Smart-Uninterruptible Power Supply or approved equal
 - 1. 5000VA - 4000 watts max configurable output
 - a. Plug type NEMA L6-30P as indicated in contract document
 - b. Receptacle type NEMA 5-15R and NEMA 5-20R
 - c. 230V, 1 Phase, 60 Hz
 - d. Fits standard TIA 19-inch racks
 - 2. 3000VA - 2850 watts max configurable output
 - a. Plug type NEMA L5-30P as indicated in contract document
 - b. Receptacle type NEMA 5-15R and NEMA 5-20R
 - c. 120V, 1 Phase, 60 Hz
 - d. Fits standard TIA 19-inch racks

- B. The minimum battery backup time shall be 15 minutes at full load. Contractor shall confirm that batter backup is long enough to allow successful shutdown of connected servers at each location.

2.08 DIN RAIL:

- A. Manufacturers: Phoenix Contact or approved equal
- B. Cold rolled steel per DIN EN 50022.

C. 35 mm wide

2.09 DIN RAIL RACK MOUNTING PANEL:

- A. Manufacturers: Rackmount or approved equal
- B. 12 gauge Steel. Rack height of 4, 6 and 8 unit as indicated in contract documents.

2.10 CIRCUIT BREAKER:

- A. Manufacturers: Phoenix Contact or approved equal.
- B. 15 or 20 Ampere ratings as indicated in contract documents.
- C. Provides overload and short circuit protection.
- D. Wire Size: #14 to #8 AWG
- E. 35mm Din Rail mount

2.11 SURGE ARRESTOR:

- A. Manufacturers: Phoenix Contact or approved equal.
- B. Replicable protection plugs.
- C. Visual indicator of plug status
- D. 10kA surge current
- E. Din- rail ground connection
- F. 120VAC, 1 Phase
- G. UL 1449
- H. Operating Temperature -40°C to 80°C
- I. 35mm Din Rail mounting

2.12 120VAC TERMINAL BLOCK:

- A. Manufacturers: Phoenix Contact or approved equal
- B. 600 volts, Universal terminal block with screw connection, 35mm Din Rail track mount.

2.13 TRANSFORMER (LESS THAN 1000VA):

- A. Schneider Electric-Square D or approved equal

- B. 35mm Din rail mount, Primary 120VAC , Secondary 24 VAC, 1 Phase, Temperature Rise 115°C, Insulation Temperature 180°C with screw terminals and copper winding.

2.14 24VAC FUSED TERMINAL BLOCK:

- A. Manufacturers: Phoenix Contact or approved equal
- B. Fuse terminal block for cartridge fuse insert, 35mm Din Rail track mount.
- C. Fuse capacity 0.1A to 5A as recommended by the camera manufacturer.

2.15 24VAC NON-FUSED TERMINAL BLOCK:

- A. Manufacturers: Phoenix Contact or approved equal
- B. Universal terminal block with screw connection
- C. 35mm Din Rail track mount.

2.16 TERMINAL GROUND BUS:

- A. Manufacturers: Eaton or approved equal
- B. Tin plated copper
- C. 1-3/4 in. between mounting holes
- D. ANSI certified and UL listed

2.17 PATCH PANEL:

- A. Manufacturers: Black Box or approved equal.
- B. Meet or exceed ANSI/TIA/EIA standards for Category 5e or 6e component performance specifications and UL-listed.

2.18 METER SOCKET:

- A. Manufacturers: Schneider Electric-Square D or approved equal
 - 1. 600V, 125A, 1 Phase 3-wire configuration.
 - 2. Painted gray enamel steel enclosure, NEMA 3R
 - 3. Ringless socket type and Box Number 1R
 - 4. Line/Load/Neutral wire size #8-#2/0 AWG (Cu)

5. Ground wire size #14 to #2 AWG (Cu)
6. Rain and Ice/sleet proof (Outdoor) Enclosure Type

2.19 LOAD CENTER:

- A. Manufacturers: Schneider Electric-Square D or approved equal
 1. 120/240V, 100A, 1 Phase 3-wire configuration.
 2. Painted gray enamel steel enclosure, NEMA 3R
 3. UL listed
 4. Line/Load/Neutral wire size #6-#2/0 AWG (Cu)
 5. Ground wire size #14 to #2 AWG (Cu)
 6. Outdoor / Rainproof Enclosure Type

PART 3: EXECUTION

3.01 TESTING AND INSPECTION:

- A. Per SECTION 17125 – Testing and Inspection.

3.02 GENERAL REQUIREMENTS:

- A. Installation shall be performed per the approved drawings and all applicable standards and codes.
- B. The Contractor shall adhere to the installation instructions provided by the manufacturers of the equipment. Deviations to the manufacturer's installation instructions shall be justified by the Contractor and shall be pre-approved prior to design approval.
- C. The Contractor shall properly seal any knockouts or penetrations made to the cabinet and/or equipment in which the components are installed.

3.03 GROUNDING:

- A. Per SECTION 16060 - Grounding and Bonding and Contract documents.

PART 4: MEASUREMENT AND PAYMENT

4.01 ELECTRICAL COMPONENTS:

- A. The work required under this section shall be measured separately for payment.
- B. All costs in connection with the work specified herein will not be paid for directly, but will be considered incidental to the work they pertain.

END OF SECTION

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SECTION 17114
DESIGN AND INSTALLATION PROCEDURES
PART 1: GENERAL

1.01 DESCRIPTION:

- A. This section specifies the requirements for the installation of HSSP Phase IV equipment at the selected installation sites.
- B. Related Sections:
 - 1. Section 01000 – Summary of Work
 - 2. Section 17125 – Testing and Inspection
 - 3. Section 01300 – Submittals
 - 4. Section 01450 – Quality Assurance and Quality Control

1.02 CONTRACTOR RESPONSIBILITIES:

- A. The Contractor shall be responsible for completing the Phase IV Systems Design as described in this Section.
- B. The Contractor shall be responsible for the procurement of all equipment, systems and parts thereof in accordance with the requirement of a complete turn-key system installation. The Contractor is fully responsible for designing and installing a completely operational system at the contract price. The Contractor shall provide all labor, materials, parts, cables, required signs, software, documentation, instructions, warranty and maintenance in accordance with the intent of these specifications. The Contractor shall be responsible for the installation of all equipment furnished under this contract. The Contractor shall provide on-site field engineering to supervise, and technicians to perform the installation.
- C. The Contractor shall procure and install Sony, or approved equal, IP cameras meeting specifications as well as provide all necessary Aralia server hardware, software and software configuration to support the approved quantity of cameras.
- D. All work shall be performed in a manner adapted to local conditions and best calculated to promote quality installation, to secure safety to life, person, and property, to assure a safe and continuous operation of the MTA, Amtrak, MARC and CSXT, and to reduce to a minimum any interference with the public and with other contractors in or about the property.
- E. All work shall be performed in accordance with the National Electrical Code (NEC), the National Electrical Safety Code (NESC), OSHA regulations, American Standard Testing of Materials (ASTM), American Association of

State Highway and Transportation Officials (AASHTO), and other applicable codes and regulations of authorities having jurisdiction.

- F. Procurement of any system component shall not proceed until the MTA has formally approved the Contractor's Final Design Review (FDR), or has otherwise advised the Contractor that procurement of a specific component (such as a long lead item) is approved.
- G. The contractor shall obtain from the administration Asset Tags and Homeland Security Tags and tag all new equipment installed. At the completion of the contract, the contractor shall provide a spread sheet in Excel format detailing all tagged equipments.

1.03 DESIGN REQUIREMENTS:

- A. The Contractor shall complete the design of the entire Phase IV CCTV System in accordance with the requirements of this RFP. In order to accelerate the final design process, the MTA is providing a set of 85% complete Station Drawings for each of the HSSP stations covered by this procurement. These drawings are to be considered as preliminary design drawings for guidance only, to be completed by the Contractor during the final design process. The Final Design shall culminate with a Final Design Review (FDR) which shall consist of a 100% Systems Design building upon the design presented in the Contractor's proposal and the Contract documents and shall be submitted no later than 45 days after NTP.

The Final Design shall be approved by the Administration prior to the start of any manufacturing or installation work, unless specifically pre-approved by the Administration.

The Final Design life-cycle shall proceed in the following sequence and include:

- i. Issue Final Design documents
- ii. Completed FDR session with the Administration
- iii. Administration internal FDR
- iv. Administration comments to Contractor
- v. Approval of Final Design Documents by the Administration

The Contractor's Final Design Review (FDR) (CDRL#6) shall include final installation plans for each site and installation for each component of the iCCTV Surveillance system. The Contractor's FDR shall include Systems Design Documentation as detailed below. The Contractor's FDR shall also include the Master Interface Control Document (CDRL#25). The Final Design shall be submitted with specifications for the major hardware and software components to be utilized.

- The Contractor shall review the station sites to establish equipment requirements, cable paths and layouts, mounting details, modification requirements, and any other particular requirements such that all necessary information is gathered for each camera installation site.
- The Contractor shall develop the detailed Site Installation Plan(s) and installation drawings for each facility (CDRL#15). These plans shall be submitted to the MTA as part of the FDR package.
- In order to expedite start of construction for this project, the Contractor shall submit Site Installation plans and drawings for one station during FDR along with all other Systems Design Documentation, as detailed below. Site Installation Plans and drawings for remaining sites shall be submitted for approval as completed and prior to initiation of any manufacturing or installation activities at the respective site.

B. SYSTEMS DESIGN DOCUMENTATION

Systems Design Documentation shall be provided to the Administration as part of FDR. At minimum, the design shall contain the following:

1. Systems Documentation
 - a. Executive Summary: a summary of documentation material provided in all deliverables, an overview of the entire system describing all major components and special features of the System.
 - b. Design Overview: a description of the overall design. This shall include the advantages and disadvantages of the design, and the justification of why the design is the best implementation to meet the Administration's requirements.
 - c. System Architecture: a system-level graphic representative of all hardware components and their interconnections. This shall include identification of the interfaces between all existing and proposed devices and systems.
 - d. Network architecture: Diagrams shall be included that include all network hardware, interfaces and interconnections. An IP Matrix, identifying hardware by manufacturer, model, serial number and MTA Asset tag shall be provided.
 - e. Security Features: a description of all system security features, computer controlled and physical, designed into the system to control and monitor the systems and its components. In addition, describe all features, components and equipment which protects

- the system from hazards such as electrical power surges, brown-outs and black-outs.
- f. **System Reliability:** an analysis of system reliability based on the Mean Time Between Failures (MTBF) and Mean Time To Repair (MTTR) for each major component and subsystem, including calculation methods and supporting documentation to support calculations. Where the configuration requires redundant and/or high availability components or equipment, the Contractor shall also provide a description of the hardware and/or software features incorporated to meet the requirements for high availability in the event of the failure of one or more systems components.
 - g. **Failure Handling and Recovery:** a failure/recovery matrix showing the types of failures, the process of reporting these failures and if automatic or semiautomatic. This shall include descriptions of system diagnostics to detect and isolate failures.
 - h. **System Restart Handling:** a matrix shall be provided showing how each onboard subsystem is capable of automatic restart on power-down and power-up of the bus without manual intervention other than login.
1. **Software Documentation**
 - a. **Software Architecture:** system level illustrations, such as flowcharts and block diagrams, illustrating the overall structure of the system and how new components integrate with the existing MTA CCTV System.
 - b. **Software Configuration:** Contractor shall document modifications made to the existing MTA CCTV System to integrate Phase IV components.
 - c. **Data Storage Analysis:** the techniques employed to ensure that the system can meet the storage requirements for on-line and historical data, and expansion capabilities. The analysis shall include identification of all files, databases and their retention cycles.
 - d. **Operator Interface:** Describe modifications to the existing operator and user tools and techniques employed to ensure an easy to use, consistent and efficient interface between the operator and the system. Include copies of all typical station interface screens and navigation icons including the configuration/state of each icon for each monitored/controlled state.
 - e. **Program and Module:** Narrative description of major program modules or developed interfaces contained in the system and the description of the processing functions, inputs and outputs of these modules or developed interfaces.
 2. **Hardware Documentation**

- a. Hardware Specifications: a full bill-of-material and complete specifications for each hardware element of the Phase IV Project. Hardware specifications shall include an expansion of equipment functionally and theory of operation.
- b. Component Drawings: drawings that clearly and completely indicate the function of each hardware component. The drawings shall indicate termination points of devices and interconnections.

C. SEALING OF PROJECT DRAWINGS

1. All completed system design drawings developed for this Contract by the Contractor shall be sealed by a Professional Engineer (PE) registered in the State of Maryland prior to being issued for manufacturing or on-site construction. A PE seal will not be required on standard device or component drawings or on shop drawings if there is a sealed design drawing that covers the work shown on the shop drawing.
2. As-built revisions of Contractor developed sealed design drawings shall also be sealed by a Professional Engineer registered in the state of Maryland.
3. The engineers who seal the drawings shall be involved throughout the design process as required by the regulations governing the conduct of Professional Engineers.
4. As-built mark-ups of sealed Contract Drawings shall be submitted to the Engineer.

D. SYSTEMS DEVELOPMENT

1. Contractor shall be required to integrate all system components into a fully functional system consistent with the requirements set forth herein or as may be approved pursuant to the RFP and approved FDR Systems Design, and consistent with the Contract approved system document.
2. Contractor shall complete the programming, parameterization and any tailoring needed to customize or otherwise modify commercial-off-the-shelf (COTS) products for the Administration.
3. Contractor shall provide detailed "Change Control Procedures" for handling hardware and software upgrades to the System after the approval of FDR.
4. Contractor shall provide appropriate controls to ensure that the source code production load modules are synchronized in all versions and revisions at all facilities.

1.04 INSTALLATION REQUIREMENTS:

- A. Site availability for equipment installation. The MTA will make its best endeavors to have sites available for installation, however the MTA shall not be held responsible for any necessary or untoward unavailability of sites.

- B. Cameras and related equipment shall only be installed in accordance with installation plans that have been previously approved by the MTA. The Contractor shall provide all mounting hardware, cables, plugs, and accessories. Installation shall not commence until appropriate installation plans have been reviewed and approved by the MTA.
- C. Repair of damage: The Contractor shall be responsible for the installation of all equipment, systems and parts thereof. Any damage caused by the Contractor shall be immediately reported to MTA, and damage so caused shall be repaired by the Contractor at the expense of the Contractor. If the Contractor fails to repair the damage within thirty (30) days of its occurrence, MTA may undertake the repair and withhold such moneys from any balance due and/or seek reimbursement to cover the repair costs.
- D. After installation or modification, the Contractor shall ensure that the site is clean, and free from trash, metal shavings and grease marks, and water leaks.

1.05 INSTALLATION PLANNING:

- A. The Contractor shall be responsible for coordinating the construction activities with the MTA. Work shall be laid out and scheduled to avoid interference with MTA, AMTRAK, MARC and WMATA operations, and interference with other trades.
- B. Installation Planning: The camera installations shall be planned such that the minimum of disruption of service shall occur to MTA operations. The installation plan shall consist of four steps: development of an installation plan and schedule, a description and plans of the work to be accomplished, approval by the MTA, and accomplishment of the equipment installation.
- C. Within ten (10) days after Notice to Proceed (NTP), the Contractor shall arrange for, and accompany, a visit by the MTA to existing operational sites, selected by the Contractor, to review actual installation of working systems. In addition, the Contractor shall visit each Phase 4 Surveillance System site to verify site conditions and determine any changes from the information already provided to the Contractor within this contract document and drawings. Any noted changes shall be incorporated into the Contractor's Final Design Documents. Contract drawings may be used and modified as needed for FDR submission.
- D. The Contractor shall submit the detailed Site Installation Plan(s) and schedule for each facility (CDRL#15).
- E. The Contractor shall not commence any installation work at any site until and unless specific written notice has been received of the MTA approval of each specific Site Installation Plan.

- F. Each installation shall be accomplished in accordance with the relevant Site Installation Plan. Any deviations or changes to each relevant Site Installation Plan shall be coordinated with the MTA and agreed to by the MTA in writing.

1.06 SPECIFIC INSTALLATION REQUIREMENTS:

- A. Equipment installations shall be done in a professional and workmanlike manner and in accordance with all applicable codes and good engineering practices.
- B. All Equipment racks and cabinets, and individual equipment shall be grounded. In this connection, the Contractor is to take special note of the presence of high ground currents in the vicinity of energized rail tracks, and take appropriate steps to avoid ground loops and consequent equipment damage.
- C. All main equipment racks shall be connected to suitable breaker panels to be provided by the MTA. All electrical wiring and connections shall be properly made and installed, and properly terminated.
- D. The Contractor shall conduct the installation of equipment such as to ensure the minimum of disruption to MTA operations. In the event that equipment down time is required, it shall be accomplished at the time of the midnight shift, and the MTA shall be given at least 48 hours notice of the time and duration of the propose down-time. In no circumstances shall any MTA equipment be placed out of service without prior written permission from the MTA. Work shall be coordinated with the appropriate MTA entity for each of the two transport modes (Light Rail and MARC).
- E. The Contractor shall provide an "as built" check list for each individual MTA site that lists all components removed, installed, or modified at each site, ten (10) days after installation at each site (CDRL#21). For each component, model, type numbers and serial numbers shall be provided as appropriate. The check list should also show completion of tests, and appropriate acceptance signature blocks. The satisfactory accomplishment of this check list shall be an inherent part of the Contractor Quality Control process. Where appropriate, MTA acceptance signatures should also be included. The date of acceptance of the completed "as-built" check list by the MTA for a particular site shall act as the date of commencement of beneficial use of that site. These provisions shall flow down to any installation sub-Contractor.
- F. Penetration of existing concrete slabs, platforms, hand boxes, and manholes for conduits and other wiring devices shall be made only by core drilling. Chipping or hammering shall not be permitted. Openings around conduits shall be sealed with an approved patching material and finishes.
- G. All concrete slab or asphalt paving sections to be removed shall be neatly cut with wet saw at limit of removal.

- H. All restored concrete slab or asphalt paving sections shall match existing finishes.

1.07 MDOT REQUIREMENTS

- A. Any and all new equipment or software that is placed on the MDOT Enterprise network shall be required to follow the MDOT Configuration Change Process and comply with MDOT standards.
- B. All new hardware/software planned on the MDOT Enterprise network shall be subject to a Vulnerability Assessment prior to being approved for production on the MDOT network. The Vulnerability Assessment tool most commonly used by MDOT is NCircle IP360, however, in certain situations MDOT may elect to use Nessus to scan hardware. A standard vulnerability scan consists of:
 - a) Pings target (ICMP)
 - b) Stack Fingerprinting – tries to figure out the operating system and version
 - c) Application Scan – tests for default applications and protocols
 - d) Port Scan – scans 75 common ports
 - e) Vulnerability Scan based on findings of application scan and port scan
 - f) Host Configuration Check – if windows or a device that supports SSH, will use enterprise credentials to login and check certain things such as registry settings, host files and other configurations.
- C. All new hardware or software installed on the MDOT network that requires the use of IIS or IIS services shall be subject to a scan of the URL and or Web Services using HP Web Inspect. Systems will not be placed into production until all errors detected by Web Inspect and deemed necessary by MDOT Security to address are remediated.
- D. Additional information on the State Information Technology Security Policy and Standards can be found at: <http://doit.maryland.gov>, keyword: Security Policy.

1.08 EQUIPMENT DELIVERABLES:

- A. Delivery point: The component equipment deliverables of the iCCTV Surveillance system shall be shipped, carriage, insurance and freight pre-paid (CIF) destination, to MTA premises.
- B. Insurance on all deliverables shall be maintained until such time as the deliverables have been safely and appropriately delivered to MTA, and title has passed to MTA.
- C. The MTA will assume no responsibility for the safe-keeping of deliverables not delivered inside MTA premises. The Contractor may, at its option, provide a secure trailer for the temporary storage of equipment deliverables. MTA will endeavor to locate the trailer on MTA property as close to the installation site as possible, but MTA will assume no responsibility for safe storage of deliverables inside the trailer.

1.09 CONFLICTS:

- A. Should it appear that there is real or apparent discrepancy between different sections of the specifications concerning the nature, quality or extent of work to be furnished, it shall be assumed that Contractor has based his bid on the more expensive manner. Final decision on the manner which to proceed will rest with the MTA.
- B. The Contractor shall promptly submit, define and document the basis for any claim to be paid the Contractor. If the Contractor has any property in its possession belonging to the MTA, the Contractor will account for the same, and dispose of it in the manner the MTA directs.
- C. The MTA reserves the right to stop the work covered by this specification and the contract at any time that he deems the contractor to be unable or incapable of performing the work to the satisfaction of the MTA. In the event of such stopping, the MTA shall have the right to arrange for the completion of the work in such manner as he may deem advisable. In the event that the MTA stops the work as provided herein, the Contractor shall be given written notice thereof together with the reason therefore and the Contractor shall have five (5) working days to respond thereto before any such stop order shall become effective.

**PART 2: PRODUCTS
NOT USED**

**PART 3: EXECUTION
NOT USED**

PART 4: MEASUREMENT AND PAYMENT

- A. The work required under this Section is paid under the associated stations work under Bid Items 10-27.

END OF SECTION

SECTION 17125
TESTING AND INSPECTION
PART 1: GENERAL

1.01 GENERAL:

- A. This section describes the acceptance testing requirements for a pre station installation, station installation and the entire system that the Contractor must perform as a condition for payment for work accomplished.
- B. The Contractor shall perform Equipment Pre-Installation Testing at a Pre-Installation Test Facility to verify that the equipment meets all applicable contract requirements and is ready to be installed at each site
- C. The Contractor shall perform Field Installation Acceptance Testing at each site upon completion of construction and equipment installation to verify that the site meets all applicable contract requirements and is ready to be integrated into the complete iCCTV surveillance system.
- D. The Contractor shall perform On-Line 30 DOT to ensure that the system meets all applicable contract requirements and that all equipment at all sites has been successfully integrated, and that the completed system exhibits sufficient reliability and availability for the Administration application.

1.02 ACCEPTANCE TESTING:

- A. Acceptance testing is the testing of materials prior to their use in the work and also any testing deemed necessary by the Engineer for acceptance of the complete work. The Contractor will perform acceptance testing of materials and workmanship at the direction of the Engineer, in accordance with the Contract Documents. The Engineer reserves the right to request additional testing at any time to determine conformance with the Contract requirements.
- B. Acceptance testing is not to be considered as a replacement for control testing conducted by the Contractor or manufacturer producing materials for the Contractor. Acceptance testing will be at the expense of the Contractor.
- C. Acceptance Test Procedures:
 - 1. Testing Requirements: The Contractor shall conduct those tests that verify and document the iCCTV surveillance system performance and compliance with this document. The Contractor shall submit an Acceptance Test Procedure (ATP) (CDRL#14) for approval by the Administration twenty-one (21) days prior to the commencement of Acceptance Testing. Acceptance Testing shall contain component, subsystem, and system tests to verify that the overall iCCTV surveillance system will meet the installation and integration requirements. The Contractor shall coordinate acceptance testing with

- Administration personnel in order to minimize operational impact upon normal daily activities. The Contractor shall perform Pre Installation Test, preliminary Acceptance Tests and preliminary On-Line Demonstration Tests in order to ensure that discrepancies are not discovered during the Final Acceptance Tests.
2. Test Compliance Document: The Contractor shall provide a Test Compliance Document clearly noting each particular test to be accomplished, in a format such that appropriate Administration personnel who witness the tests may signify that each individual test has been successfully completed. Pass/Fail criteria shall be established on each particular test, and space shall be provided for comments on any non-compliant test results. The Test Compliance Document for each particular test shall be part of the Final Acceptance Test procedure.
 3. Test Result Reports: The Contractor shall provide the Administration with written test results documentation no later than five (5) working days after the completion of each test or tests (CDRL#19). The Test Result Reports shall contain completed and signed Test Compliance Documents for each test performed.
 4. Non-compliant test results shall be repeated until the Administration is satisfied that all test parameters have been correctly met and accepted by the Administration.
- D. Before the Contractor can commence site acceptance testing, the Engineer will have performed the final walkthrough of the site to verify that all site construction has been performed in accordance with the contract requirements.
- E. The Contractor shall notify the Engineer in writing that site acceptance testing is ready to commence. Such notification shall be made at least two weeks before the testing is to begin.
- F. The time of site acceptance testing shall be chosen for the convenience of the Engineer.
- G. The Engineer shall have the right to:
1. Waive certain tests or results for the convenience of the Administration.
 2. Suspend or discontinue testing if, at any point, it becomes apparent that the site will be unable to pass testing.

1.03 TEST PLANS:

- A. The Contractor shall prepare a test plan (CDRL#12) documenting each type of Test to be conducted, and submit it to the Engineer for approval.
- B. The test plan shall contain the following information:

1. Identification of key personnel for the testing effort, with complete contact information (postal address, telephone and facsimile number, etc.).
2. Preliminary schedule of testing for each site and for system acceptance.
3. Procedures to be used for recording test results, as well as problem reports or action items arising thereto.
4. Identification of test equipment, test sets, simulators, etc. to be used in acceptance testing, including descriptions of their uses and roles within the testing.

1.04 TEST PROCEDURES:

- A. The Contractor shall prepare test procedures (CDRL#13) and submit them to the Engineer for approval.
- B. Test procedures shall be prepared for each of the following phases of acceptance testing:
 1. Factory Acceptance Test shall consist of a single set of procedures to test all sites equipments and components and demonstrate all requirements are achieved before field installation.
 2. Field Installation and Acceptance Testing: (a single set of procedures shall be prepared to cover all sites, with tailoring or modification to cover exceptional cases at particular sites).
 3. System 30 DOT: On-Line System performance acceptance testing shall consist of a single set of procedures to test on-line performance of all sites. This testing shall include procedures to demonstrate that existing functionality has not been altered or compromised as a result of addition of Phase IV stations. Test shall include both internal and external users.
- C. Test procedures shall contain the following:
 1. Identification of test sets to be used, by make and model of equipment, and by purpose.
 2. Step-by-step procedures for accomplishing the tests, showing traceability to the test objectives given below.
 3. For each step, the initial conditions, the stimuli to be applied, and the criteria for successful performance.

1.05 TEST REPORTS:

- A. The test report shall include:
 1. A summary listing the overall results of the testing.
 2. A list of failures or problems identified during testing, with a plan of action for the resolution of each.
 3. A detailed account of testing, keyed to the test procedures followed for the testing, indicating pass or failure in each case.
 4. Additional remarks as warranted.

- B. Acknowledgement by the Administration: The Administration will provide a written acknowledgement of the receipt and acceptance of each submitted test report within ten (10) days of submittal.

PART 2: PRODUCTS

[NOT USED]

PART 3: EXECUTION

3.01 GENERAL:

- A. Furnish all equipment and labor required to perform tests as specified within the Contract Documents.
- B. Contractor shall perform all testing outlined in the approved Test Plan and Contract documents.
- C. All testing shall be performed in the presence of the Administration's representative. The Contractor shall notify the Engineer forty eight hours prior to conducting testing.
- D. Upon completion of the installation, demonstrate to the satisfaction of the Engineer that each complete system will perform as required within the Contract Documents.
- E. All components, equipment, and devices shall be tested as specified within the Contract documents and the Contractor's Test Plan.
- F. On approved Administration test forms, all test results shall be recorded and submitted to Engineer for approval.
- G. At a minimum, performance tests shall be conducted on all components and devices.
- H. All components, devices, equipment, conductors, and cabling which fails the required testing shall be replaced at no additional cost to the Administration and retested upon replacement.
- I. Contractor shall provide a stable source of electrical power for test instrumentation at each test location.
- J. All test equipment certifications shall be submitted for approval prior to utilization for testing.
- K. All test equipment shall have been calibrated within a year and bear a certificate of calibration from the certification laboratory.

- M. All testing shall not interfere with the transit operations. Testing times and durations shall be coordinated the transit system providing service and operation at and through the specific location.
- N. See Sample Test Forms in Appendix E

3.02 FACTORY ACCEPTANCE TEST

- A. The Contractor shall design, erect and install a suitable Pre-Installation Test Facility, as follows:
 - 1. For each station, and in accordance with the timing of the installation schedule, the complete set of station cameras and servers shall be installed on the Pre-Installation Test Facility, provided with power, and operated as if the test set was installed on an operating station.
 - 2. Any equipment firmware or software configuration changes shall be made such that the complete set of cameras and servers has identical operating capabilities to that required by the final installation.
 - 3. Equipment serial numbers shall be recorded.
 - 4. The complete set of station cameras and servers shall then be subjected to a burn-in test of not less than thirty (30) days of continuous operations, not to include nights, weekends, and holidays.
 - 5. Any failures or discrepancies noted during the burn-in test shall be documented, including a description of the failure, remedial actions taken, and disposal of any failed component or equipment item. In this respect, the MTA will not accept any failed component or equipment item unless it has been successfully demonstrated to the Engineer that the component or equipment has been restored to an as-new condition.
 - 6. The MTA reserve the right to visit and inspect the Pre-Installation Test Facility at any time and upon one (1) hour notice. All written logs and documentation relating to the tests, including failures and remedial actions shall be made available for inspection by the Engineer.
- B. At the conclusion of the pre-installation test of the equipment destined for each station, the equipment shall be re-packed in its original shipping container(s). The MTA recommends that the complete set of equipment for each station (not to include, for instance, conduit or cables) should be assembled on one or one set of shipping pallets in order to ensure that the only the equipment pre-tested for each station is actually installed at that station.

3.03 FIELD INSTALLATION ACCEPTANCE TEST:

- A. Station Field Installation Acceptance Testing shall provide definitive proof that the iCCTV Surveillance system is providing the surveillance services at the accuracy and quality requested, and that the installed system is capable of meeting long-term reliability and performance requirements. At each completed installation site, the Contractor shall verify for the Engineer that the following have been accomplished:
1. Each camera is mounted in the proper position according to the plan for the station.
 2. Each camera is securely enclosed in a dome housing, and has proper wiring and accessories (e.g., power conversion devices).
 3. Proper power, signal (PTZ control), and video connections have been made to each camera.
 4. New equipment cabinets, if provided, have been properly placed and installed, including proper locks.
 5. Cabinet heaters and ventilators, if provided, are functional and are automatically activated at the proper temperatures.
 6. HVAC equipment inside the Perryville ticket office will keep 20°C temperature averages throughout of the year.
 7. All provided equipment has been properly installed in the cabinet(s).
 8. Pre-existing or relocated equipment has been properly relocated within the cabinet and reconnected to its existing wiring and properly tagged.
 9. The proper connections have been made to installed and existing multiplexing and signal distribution equipment at each site.
 10. Connections to station power have been properly made.
 11. Adequate power conditioning and surge suppression equipment has been provided and properly connected to power, video, and signaling lines.
 12. Camera resolution and performance under various lighting considerations, and day and night conditions as appropriate.
 13. Camera performance in relation to adjustable frames per second (fps) and different compression ratios.
 14. System performance in relation to setting of intrusion alarm boundaries, and detection of intrusion within these boundaries.
 15. System performance in relation to setting of left-object reaction time, left object detection at various distances and sizes.

16. System performance in relation to object identification and system-wide search capabilities.
 17. Quality of images reproduced by color printer.
 18. Quality of images multicast to remote sites.
 19. Visibility of on-screen displays of images, and overlaid status or alarm symbols and verification of change of status indications on these symbols.
 20. Capabilities to set and reset system parameters.
 21. System well-being monitoring, malfunction alarms, and associated displays and alarms.
 22. Verification of all reporting and data-collection functions.
 23. The Administration ICCTV surveillance system shall be fully secure. The system uses password authentication to enable only authorized users access to the system, and the stored video images therein.
 24. Such other tests as the Administration perceive as being important to demonstrate the successful installation of the system, and that the system is ready, in all respects, for operation.
- B. The Contractor shall operate the equipment at the site, using appropriate test sets as required, to verify the following:
1. Each camera has been programmed with the appropriate presets for position, focal length, iris, and image compensation as required.
 2. Appropriate text label has been programmed for each camera preset.
 3. Each camera can be cycled through its presets and viewed on a video monitor.
 4. Each camera video and PTZ control signal appears at the proper ports of the server equipment.
 5. The server storage modules are performing correctly, and the RAID system is in operation.
 6. The local router equipment places a correct signal on the station optical fiber.
 7. Data can be transferred in both directions via the server and the optical fiber network between the PMF and each station.
 8. The live camera images, and stored camera images, are received correctly at the PMF.
 9. Equipment alarms and camera alarms shall be tested, as appropriate.
 10. Completion of Station 30-DOT.

- C. The warranty period for each station (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT) for that station.

3.04 30 DOT ON LINE SYSTEM PERFORMANCE TESTING (CDRL#51):

- A. Testing Requirements: On-Line System Performance Testing shall provide definitive proof that the ICCTV Surveillance system is providing the surveillance services at the accuracy and quality requested herein, and that the full installed and integrated system is capable of meeting the long-term reliability and performance requirements of this specification. The On-Line System Performance Test shall not be scheduled and performed until after acceptance has been completed at each individual site. The On-Line System Performance Testing shall be designed to test the system as fully loaded with the addition and operation of all Phase IV stations

As a minimum, the following tests shall be conducted:

1. Composite station performance in relation to Pan, Tilt, and Zoom speed, and accuracy in returning to preset positions.
2. Composite station performance in relation to adjustable frames per second (fps) and different compression ratios.
3. System performance in relation to setting of intrusion alarm boundaries, and detection of intrusion within these boundaries.
4. System performance in relation to setting of left-object reaction time, left object detection at various distances and sizes.
5. System performance in relation to object identification and system-wide search capabilities.
6. Quality of images reproduced by color printer.
7. Quality of images multicast to remote sites.
8. Visibility of on-screen displays of images, and overlaid status or alarm symbols and verification of change of status indications on these symbols.
9. Capabilities to set and reset system parameters.
10. System well-being monitoring, malfunction alarms, and associated displays and alarms.
11. Verification of all reporting and data-collection functions.

12. View at least one complete tour of each type programmed (daytime, nighttime, weekend, after hours, etc.) and verify that the correct camera views are provided in the correct sequence for each.
13. Individually display each station camera on each monitor (by direct command from the appropriate workstation), with correct operation of PTZ controls, as appropriate.
14. Demonstrate direct PTZ control and setting of views on all cameras at new stations.
15. Demonstrate programming and execution of tours and sequences at new stations.
16. Operate the video recording system to view playback of recording from each new station.
17. Play back a short portion of recorded video from each new station and record it onto a DVR.
18. Such other tests as the Administration perceive as being important to demonstrate the successful installation of the system, and that the system is ready, in all respects, for operation.

3.05 FINAL ACCEPTANCE TEST REPORT (CDRL#52):

- A. Occurrence of Final Acceptance Test: Final Acceptance Test shall occur upon completion of the following:
 1. Completion of Equipment Factory Acceptance Tests by the Contractor.
 2. Completion of Field Installation Acceptance Tests by the contractor.
 3. Completion of 30-DOT On-Line System Performance Testing.
 4. Completion of all remedial work required because of the discrepancies or faults discovered during the Station Acceptance Tests and the On-Line Demonstration Testing.
- B. The Final Acceptance Test Report shall consist of a document, signed by the Administration, certifying that all the steps outlined above have been completed acceptably, and that:
 1. All completion dates have been met.
 2. All deliverables are complete and have been approved.
 3. All source code, object code, and data files are complete.

4. The Administration has received all written documentation, drawings, technical and other manuals, and all other deliverables within this procurement.
 5. All training has been completed.
 6. All applicable software licenses have been issued and delivered to the Administration.
 7. All applicable warranties and guarantees have been delivered to the Administration.
 - 8). Hardware and software maintenance agreements have been concluded with the Administration.
- C. The Final Acceptance Test Report shall be delivered to the Administration with ten (10) days of receipt of the document as signed by the Administration (CDRL#20).

3.06 GROUNDING:

- A. The resistance between ground and absolute earth for each grounding system does not exceed two ohms. The benefit of chemical treatment or other artificial means shall not be permitted to achieve desired results.
- B. The direct buried or concrete encased ground bond shall be tested prior to and after placement of concrete or backfill to verify achievement of continuity by comparison of measurements. Failed bonds shall be replaced at no additional cost to the Administration and retested upon repair or replacement.
- C. Completed exothermic welds shall be tested before coating by striking with two pound hammer. If weld develops cracks or breaks, replace welds at no additional cost to the Administration and retest upon replacement.

3.07 CONDUCTORS AND CABLES:

- A. Insulation resistance tests of all conductors shall be performed on all power conductors and cables. Test all non-grounded conductors and cables to not less than 50 megohms; demonstrating all circuits are continuous and free from short circuits.
- B. All circuits are properly connected in accordance with the Contract Documents.
- C. Testing of all data cables shall be performed in accordance with EIA/TIA-568 for wire mapping, length, crosstalk, attenuation, and high speed performance. Cat6 cables shall be certified for cat6 performance through this testing.

- D. Visual and electronic testing of all fiber optic cables, connections, and splices shall be performed in accordance with TIA/EIA for optical power loss (absolute vs. relative) and signal strength in cables, connections, and splices.

3.08 DISTRIBUTION AND BRANCH CIRCUIT PANELBOARDS:

- A. Visually inspect all components for proper location, installation, and connections prior to energization.
- B. Conduct field test operation of all circuits not less than ten times and perform a continuous operation test of each circuit for not less than one-half hour.

3.09 WELDS:

- A. Non destructive testing shall be conducted on all steel pole welds in accordance with AWS standards.
- B. Non destructive testing shall be conducted on all modified steel work in accordance with AWS standards.

3.10 CABINET AND ENCLOSURES:

- A. Visually inspect all components for proper location, installation, and connections prior to energization.
- B. Conduct field test operation of all devices not less than ten times and perform a continuous operation test of each device for not less than one-half hour.

3.11 ADMINISTRATION INVOLVEMENT:

- A. The Administration shall participate in testing activities at the Administration's discretion. This participation will serve as a learning experience for the PMF operators and Administrative maintenance personnel. This participation does not relieve the Contractor from the specified requirements for testing.
- B. Administration participation and use will be such that it does not adversely affect specified testing requirements.
- C. Recognize and adjust for Administration involvement in developing test procedures and schedules.

PART 4: MEASUREMENT AND PAYMENT

4.01 TESTING AND INSPECTION:

- A. Measurement:
 - 1. Factory Acceptance Test and Measurement: The Administration will provide written acknowledgement of the receipt and acceptance of

each submitted station acceptance test report within ten (10) days of submittal. The date of transmission of this written acknowledgement shall be the date of acceptance of each station.

2. Field Installation Acceptances Test and Measurement: The Administration will provide written acknowledgement of the receipt and acceptance of each submitted station acceptance test report within ten (10) days of submittal. The date of transmission of this written acknowledgement shall be the date of acceptance of each station.
3. System 30-DOT On-Line System Performance Testing and Measurement: The Administration will provide written acknowledgement of the receipt and acceptance of the Final Acceptance Test Report within ten (10) days of submittal. The date of transmission of this written acknowledgement shall be the date of acceptance of the system.
4. Measurement for grounding tests required under this Section will not be measured separately for payment.
5. Measurement for conductor and cable tests required under this Section will not be measured separately for payment.
6. Measurement for distribution and branch circuit panelboard tests required under this Section will not be measured separately for payment.
7. Measurement for welds tests required under this Section will not be measured separately for payment.
8. Measurement for cabinet and enclosures required under this Section will not be measured separately for payment.

B. Payment:

1. Payment for Equipment Factory Acceptances Testing described in this Section shall be in accordance with the Line Item price for each installed station as described in the Bid Documentation.
2. Payment for Station Acceptances described in this Section shall be in accordance with the Line Item price for each installed station as described in the Bid Documentation.
3. Payment for 30-DOT On-Line System Performance Testing described in this Section shall be in accordance with the Line Item price for the system acceptance described in the Bid Documentation.
4. Payment for grounding tests described in this Section will not be paid for directly, but will be considered incidental to the item of work to which they pertain.
5. Payment for conductor and cable tests described in this Section will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

6. Payment for distribution and branch circuit panelboard tests described in this Section will not be paid for directly, but will be considered incidental to the item of work to which they pertain.
7. Payment for weld tests described in this Section will not be paid for directly, but will be considered incidental to the item of work to which they pertain
8. Payment for cabinet and enclosures tests described in this Section will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

[END OF SECTION]

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SECTION 17630**MANUALS AND TRAINING****PART 1 - GENERAL****1.01 DESCRIPTION:**

- A. This Section specifies general requirements for the provision of Manuals and Training under the HSSP Phase 4 Project.

PART 2 – PRODUCTS**2.01 MANUALS:**

- A. Provide, as necessary, revisions to any manuals that have already been provided to the MTA under the procurement for the Phase 1, Phase 2 and Phase 3 sections of the HSSP Project. Revisions to any manual shall be reflected in a revision index that is part of each handbook or manual and is revised according to a revision control method approved by the MTA. Revisions shall be made to existing manuals for all design changes, retrofits, and errors. A description of the scope of Manual revisions shall be provided at the time of **FDR** (CDRL#6).
- B. Provide, as necessary, any documentation for new HSSP system software, utilities, compilers, assemblers, linkers, editors, maintenance software, and other packages used to develop, debug and load software.
- C. Provide five (5) hard copy versions (CDRL #45) of any revised manuals, together with five (5) CD copies (CDRL#46) in Microsoft Word 2000 format of every manual supplied at the time of Acceptance of the PMF (CDRL#18).
- D. For reference purposes, the following table lists the manuals supplied under Phase 1, Phase 2 and Phase 3 of the HSSP procurement.

Item.	Document Title or Description	Quantity Supplied
1	Operator Manual (quick guide)	50
2	System Administrator Guide	10
3	Data Administrator Guide	10
4	Data Communications Guide	10
5	Component or sub-system Manuals	10 (each component)
6	Operations and Maintenance Manual	20
7	Other Manuals (as appropriate)	10

2.02 TRAINING:

A. Training of MARC Personal.

1. Provide, as necessary, any revisions to the training documentation and materials that were provided for the program to train MTA personnel in all aspects of the operation and maintenance (O & M) of the systems and equipment installed under the procurement for the Phase 1 and Phase 2 sections of the HSSP Project. A description of the scope of training revisions or changes shall be provided within 90days after **FDR** (CDRL#6). The revised training (CDRL #48) documentation shall be provided thirty (30) days before the commencement of any training (CDRL#47).
2. For reference purposes, the following table lists the Training Courses supplied under Phase 1, Phase 2, and Phase 3 of the HSSP procurement.

No.	Course Title	Description	Recipients class size/sessions/hours
1	Management/ Supervisors	High level system overview	MTA senior personnel 5/2/4
2	Operator	Operations (train the trainer)	Operators, MTA training staff. 5/4/4 or as required
3	System Administrator	Host MTA, Statistics and data capabilities	System Administrator 2/2/8
4	Maintenance	Technician training	Technicians 4/2/8
5	Data MTA	Reporting capabilities	Department Managers, Planners 5/2/8
6	Report Generation	Management Report generation	Planning staff 4/2/8

PART 3 - EXECUTION

3.01 DELIVERY OF MANUALS:

(NOT USED)

PART 4 - MEASUREMENT AND PAYMENT

4.01 MANUALS AND TRAINING:

- A. The work required under this Section will not be measured for payment.
- B. All costs in connection herewith will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

END OF SECTION

SECTION 17640
SPARE PARTS
PART 1 - GENERAL

1.01 DESCRIPTION:

- A. This Section specifies general requirements for the provision of spare parts under the HSSP Phase 4 Project.
- B. This Section includes a list of Spare Parts that shall be provided under this Contract.

1.02 SUBMITTALS:

- A. With the **FDR**, the Contractor shall submit a List of Spare Parts for all equipment furnished under this contract, including Manufacturer, Model or Part number, Unit price valid for two (2) years after the Contract Date for the delivery of the Final Acceptance Test Report (CDRL#52).

PART 2 - PRODUCTS

2.01 SPARE PARTS:

- A. The following Spare Parts are required to be provided under this Contract:

<u>Item</u>	<u>Description</u>	<u>Quantity Required</u>
1.	Cameras:	
a.	Fixed Camera, SONY Model SNC DS180:	4
b.	PTZ Camera, SONY Model SNC ER580:	2
c.	Telephoto Camera, SONY Model VB630:	2
d.	Telephoto Camera Lens, Tamron Lens (1/3 5-50mm F/1.4 Aspherical with connector Mega Pixel compatible Vari-Focal):	2
2.	Servers:	
a.	Aralia Systems Model type 16000:	1
b.	Aralia Systems Model type 16000R3:	1
c.	Aralia Systems Model type 32000:	1

PART 3 - EXECUTION**3.01 DELIVERY OF SPARE PARTS:**

- A. Spare Parts Delivery:
 - 1. Spare parts shall be individually wrapped, packaged, and labeled and delivered to MTA premises at a location to be specified by the MTA. (CDRL#50). Each camera shall be installed in a test location prior to delivery. Contractor shall verify that each camera functions properly prior to delivery to MTA. MTA shall be notified prior to this verification so that representative may attend and witness function. Any faulty equipment shall be replaced at no cost to the MTA. Each server shall be similarly verified prior to delivery.

PART 4 - MEASUREMENT AND PAYMENT**4.01 SPARE PARTS:**

- A. Measurement for Spare Parts will be accomplished by submission of the written acceptance of delivery by the MTA for the entire sets of Spare Parts provided under the Contract.
- B. Payment for Spare Parts will be accomplished in accordance with the respective lump sum Bid Item.

END OF SECTION

SECTION 17650**WARRANTY****PART 1 - GENERAL****1.01 DESCRIPTION:**

- A. This Section specifies general requirements for the provision of warranties and warranty support for equipment by the Contractor under the Phase 4 HSSP Project.

1.02 GENERAL:

- A. The rights and remedies of the MTA under this Part are not intended to be exclusive and shall not preclude the exercise of any other rights or remedies provided for in this Scope of Work, any subsequent contract, or by law or otherwise.

1.03 WARRANTY DESCRIPTION:**A. WARRANTY STATEMENT**

The Contractor shall warrant that all goods supplied, systems, equipment, designs, and work covered by this Scope of Work and subsequent contract shall be satisfactory for its intended purpose, shall conform to and perform as called for in the Contract requirements specifications and shall be free from all defects and faulty materials and workmanship. Any goods supplied, systems, equipment, designs, or work found to be defective within the time specified below shall be repaired, remedied, or replaced, hereinafter called "corrective work", by the Contractor, free of all charges including transportation.

B. WARRANTY PERIOD

1. The warranty period for each station (does not apply to retained existing equipment) shall be for a period of twelve (12) months, commencing with the first of the month following satisfactory completion of the 30 Day Operational Test (30DOT) for that station.

C. WARRANTY PROVISIONS

1. The Contractor shall provide a copy of the warranty(s) with the Bid issued in response to these Special Conditions. The Contractor shall provide the formal signed warranty(s) at least thirty (30) days prior to the Start Date of each Warranty. (CDRL#49).
2. Notification and Corrective work. Except as specified below, the MTA will give the Contractor a written notice of observed defects or failures with reasonable promptness. Unless otherwise directed in said notice, the Contractor shall commence corrective work at the time specified by the MTA. The MTA shall have the right, when practical and feasible, in its opinion, to the continued use of any such goods supplied, systems, equipment, and work deemed defective or unsatisfactory, until such can be taken out of service for performance of corrective work by the Contractor.
3. In the event that a defect or failure, in the opinion of MTA, constitutes an emergency, which will jeopardize or impair service operation, then the MTA will provide the Contractor both verbal and written notice thereof and the Contractor shall commence "corrective work" within 24 hours after receipt of such verbal or written notice. Nothing herein shall be construed as preventing MTA personnel from immediately commencing corrective work, with labor cost at the expense of the MTA, provided all such corrective work is performed in accordance with the Operation and Maintenance manuals furnished by the Contractor. The Contractor shall reimburse MTA or make replacement (at the option of the MTA) for any spare parts or materials required by MTA to perform any corrective work with which it must proceed. Such corrective work by MTA shall not be construed to invalidate the warranty provided by the Contractor and other provision herein contained in this Section. Under such emergency conditions, the Contractor, with the approval of the MTA, may utilize spare parts from the MTA spare parts inventory, provided the Contractor agrees to replace each and every spare part so used under terms and within the time period to be prescribed by MTA. The warranty provisions described above shall be applicable to each spare part so used.
4. Replacement parts and repairs provided, pursuant to corrective work hereunder, shall be subject to prior approval by the MTA and shall be tendered and performed in the same manner and extent as items originally delivered in accordance with this SP.
5. In the event the Contractor is unable, or fails within the time prescribed to commence and diligently pursue and complete the corrective work, the MTA is, at the option of the MTA and upon written notice to the Contractor, by this provision authorized by the Contractor to contract with another or use its own personnel and facilities for the performance of the warranty work.

6. It is understood and agreed that time is of the essence in respect to all corrective work to be undertaken pursuant to the warranty herein contained, expressed, or implied.

PART 2 - PRODUCTS

(NOT USED)

PART 3 - EXECUTION

(NOT USED)

PART 4 - MEASUREMENT AND PAYMENT

4.01 WARRANTY:

- A. The work required under this Section will not be measured for payment.
- B. All costs in connection herewith will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

END OF SECTION

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ATTACHMENT 1 – PRICE PROPOSAL FORM

STATE OF MARYLAND
MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION

CONTRACT NO.: MTA-1397

TO: MARYLAND TRANSIT ADMINISTRATION PROPOSAL DUE DATE:
ATTN: PROCUREMENT DIVISION June 27, 2013
6 SAINT PAUL STREET, 7TH FLOOR
BALTIMORE, MD 21202-6806

PRICE PROPOSAL OF: _____
(Offerors Name)

PROJECT DESCRIPTION:

The Maryland Transit Administration (MTA) is requesting Proposals from qualified entities to provide Phase 4 of the Homeland Security Surveillance Project (HSSP4), consisting of an Intelligent Closed Circuit TV (iCCTV) system that will provide effective surveillance of the AMTRAK, CSXT, and MTA transit properties, including stations, platforms and station sites.

1. This proposal is hereby submitted to the Maryland Transit Administration (hereinafter sometimes called the "Administration") in response to REQUEST FOR PROPOSAL dated _____.

2. The UNDERSIGNED has thoroughly examined, acknowledges receipt of, and is familiar with the Contract Documents as well as the various instructions, information, and requirements covering the same, all as mentioned herein and in said REQUEST FOR PROPOSAL.

1. In compliance with said REQUEST FOR PROPOSAL the UNDERSIGNED hereby proposes to furnish all labor, equipment, and materials and perform all work described in and in strict accordance with the provisions of the Contract Documents for the consideration of the amounts, lump sum and unit prices listed in the attached Price Proposal Form and the Payment Schedule per Section 01110, and agrees that, upon Notice of Acceptance of Offer, within sixty (60) calendar days, unless mutually extended, he will within ten (10) calendar days after receipt of the prescribed forms, execute the Contract and furnish a performance bond and payment bond (if such bonds are required by the Contract Documents) on forms furnished by the Administration with good and sufficient surety or sureties.

4. The UNDERSIGNED agrees and understands that the time of completion are as specified in the Special Provisions unless the completion dates are extended as provided for in the contract.

5. The UNDERSIGNED agrees to pay liquidated damages in the amount specified in the Special Provisions for each and every calendar day after the completion date that the work remains incomplete unless an extension is granted as provided for in the Contract Documents.

6. The UNDERSIGNED hereby certifies that the _____(Offerors Name) / /is, / /is not (CHECK ONE) included on the GSA List of Parties Excluded from Procurement.

AND

The UNDERSIGNED hereby certified that the _____(Offerors Name) / /is, / /is not (CHECK ONE) included on the list of Contractors Suspended or Debarred from Contracting with the State of Maryland.

7. The UNDERSIGNED, as the Contractor, will perform, with its own organization, _____ percent (___ %) of the total amount of work to be performed under this contract.

8. PARENT COMPANY

a. UNDERSIGNED represents that it / /is, / /is not, (CHECK ONE) owned or controlled by a parent company. For this purpose a parent company is defined as one which either owns or controls the activities and basic business policies of the UNDERSIGNED. To own another company means the parent company must own at least a majority (more than 50 percent) of the voting rights in that company. To control another company such ownership is not required; if another company is able to formulate, determine or veto basic business policy decisions of the bidder, such other company is considered the parent of the bidder. This control may be exercised through the use of dominant minority voting rights, use of proxy voting, contractual arrangements, or otherwise.

b. If UNDERSIGNED is owned or controlled by a parent company, insert in the space below the name and main office address of the parent company.

Name

Address

9. ARREARAGES

By submitting a response to this solicitation, the undersigned shall be deemed to represent that it is not in arrears in the payment of any obligations due and owing the State of Maryland, including the payment of taxes and employee benefits, and that it shall not become so arrears during the term of the contract if selected for contract award.

10. CERTIFICATION OF NON-MARYLAND CORPORATION (FOREIGN CORPORATION)

a. A corporation not incorporated in the State of Maryland is considered to be a foreign corporation and, therefore, is required to be registered with the Maryland State Department of Assessment and Taxation if awarded this contract.

b. Where a foreign corporation is currently registered with the Department of Assessments and Taxation, such a bidder shall submit with his bid a copy of the department's certification of his registration or qualification acknowledgment.

c. If a foreign corporation is not currently registered, such a bidder shall submit with his bid his certification that, if notified of his apparent award of the contract, he will register with the Maryland State Department of Assessments and Taxation and provide a copy of the department's certification of his registration or qualification acknowledgment along with the executed contract.

11. The Contractor shall, prior to the time of execution of the contract, obtain all applicable licenses and comply with all applicable laws and regulations in the Annotated Code of Maryland.

12. All offerors must submit the following documents, fully executed, in the price proposal package:

- Price Proposal (including “Contract Financial Proposal” breakdown for each applicable item.)

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
001	01011	Mobilization	1	Allowance		\$ 320,000.00
002	01210	Miscellaneous Work Allowance	1	Allowance		\$ 625,000.00
003	01450	Quality Assurance and Quality Control	1	Allowance		\$ 190,000.00
005	01523	Engineer's Field Office	1	Allowance		\$100,000.00
006	01523	Motor Vehicle Allowance	1	Allowance		\$25,000.00
006A	17114	Final Design Review	1	LS		
007	17125	Factory Acceptance Testing (18 Locations)	1	LS		
008	17125	Station Field Installation Acceptance Tests (18 Locations)	1	LS		
009	17630	Manual and Training	1	LS		
010	17114	University Center/Baltimore St. Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
011	17114	University of Baltimore / Mt. Royal Light Rail iCCTV System – Furnish, install, configure and test	1	LS		
012	17114	Westport Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
013	17114	Cherry Hill Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
014	17114	BWI Airport Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
015	17114	Lexington Market Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
016	17114	Centre Street Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
017	17114	Perryville Marc Station iCCTV System – Furnish, install, configure and test	1	LS		
018	17114	Aberdeen Amtrak Station iCCTV System – Furnish, install, configure and test	1	LS		
019	17114	Edgewood MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
020	17114	Martin State Airport MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
021	17114	Baltimore Penn Station Amtrak/MARC Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
022	17114	West Baltimore MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
023	17114	Halethorpe MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
024	17114	Bowie State University MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
025	17114	Seabrook Marc Station iCCTV System – Furnish, install, configure and test	1	LS		
026	17114	College Park MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
027	17114	Jones Falls Outflow at Shot Tower Metro Subway Station iCCTV System – Furnish, install, configure and test	1	LS		
028	17612	PMF Modifications	1	LS		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
029	17630	Project documentation including but not limited to Training Manuals, O&M Manuals, as-built drawings	1	LS		
030	17125	30-DOT On-Line System Performance Testing	1	LS		
031	17640	Spare Parts	1	LS		

Award of Contract is based upon the Total Amount Bid for Item Numbers 001 through 031 Inclusive:

(Figures)

(Words)

Item	Description	Estimate of Quantity	Unit	Unit Price	Total Price
032	Railroad Protective Liability Insurance	1	LS	N/A	**\$_____

**This amount will only be added to the base bid of the successful bidder in the event that the bidder is excluded from the wrap-up insurance program or the program is terminated mid-term. The Insurance Premium Worksheet must be attached to the bid.

ATTACH ITEMIZED DETAIL BY LINE ITEM IDENTIFIED ON PRICE PROPOSAL FORM TO SUPPORT THE LUMP SUM PROPOSAL.

A. CORPORATION BID:

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST:

By: _____

Secretary

President or Vice President

Print Name

Print Name

B. PARTNERSHIP BID:

FEIN: _____

Name of Partnership

Business Address

Telephone Number / Fax Number

Names of each Partner:

Witness:

By:

Signature

Signature

Print Name

Print Name

C. INDIVIDUAL BID:

S.S. No.: _____

Name

Business Address

Telephone Number / Fax Number

Witness:

By:

Signature

Print Name

Print Name

D. JOINT VENTURE

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST

By:

Secretary

President or Vice President

Print Name

Print Names

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST:

By:

Secretary

President or Vice President

Print Name

Print Name

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST:

By:

Secretary

President or Vice President

Print Name

Print Name

A Joint Venture doing business as _____

- * Each member of the Joint Venture must execute the Bid Form. A Corporate Officer must sign for each member of the joint venture. In the event that a Corporate Officer (President or Vice President) does not sign the Bid Form, a Power of Execution or Power of Attorney, must be submitted with the Bid Forms.

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CONDITIONAL ACCESS TO SECURITY SENSITIVE INFORMATION
NON-DISCLOSURE AGREEMENT

(Employee / Company)

I, _____, as an officer or employee of _____ *[name of Company]* (hereinafter, the Company), hereby consent to the terms and conditions of the Non-Disclosure Agreement (hereinafter, Agreement) in consideration of my being granted conditional access to certain documents or material containing sensitive security information (hereinafter, SSI) in the course of, and during the implementation of, a security program related activity.

I understand and agree to the following terms and conditions:

1. By being granted conditional access to SSI, special confidence and trust has been placed in me and I am obligated to protect this information from unauthorized disclosure, in accordance with the terms of this Agreement and any applicable federal or state law concerning the handling of SSI.
2. As used in this Agreement, SSI is that information defined in 49 CFR Part 15 and 49 CFR Part 1520, but also includes any information not specifically mentioned in Part 1520, but marked as “sensitive security information” or “SSI”. Any category or categories of state promulgated information matching the general description of federally defined SSI information shall be treated as SSI information.
3. Based on the Maryland Transit Administration (hereinafter, MTA), determination that I have a security-related need to know, I am being granted conditional access to SSI contingent upon my execution of this Agreement for the sole purpose of _____ (hereinafter, Project). This approval will permit me to have conditional access to certain SSI, including but not limited to PROJECT PLANS AND SPECIFICATIONS FOR THE PROJECT and/or to attend meetings in which such information is discussed or otherwise made available to me. This Agreement will not allow me to have access to materials the MTA has determined, in its sole discretion, are inappropriate for disclosure pursuant to this Agreement. This may include sensitive, but unclassified information provided to the MTA by other State of Maryland agencies and the United States Government, or any other SSI that I do not have a security-related need to know. This conditional access is a non-transferable privilege.
4. I will disclose SSI that is provided to me pursuant to this Agreement only to others who have a security-related need to know and who have signed a non-disclosure agreement with the MTA. I will never divulge to anyone who does not have a

security-related need to know, SSI that is provided to me. I understand that if I am uncertain about the classification status of information, I am required to confirm from an authorized official that the information is not SSI before I may disclose it. I further understand that I must verify that the persons to whom I intend to disclose SSI information have been approved for access to it prior to such disclosure. I further understand that I am obligated to comply with laws and regulations that prohibit the unauthorized disclosure of SSI information.

5. If I become aware or have reason to believe that SSI may have been released to any unauthorized person, I will immediately notify the MTA and provide such information or documents or records as may be requested by MTA related to the unauthorized disclosure.
6. I understand that the unauthorized disclosure of SSI could compromise safety and security, and could cause damage or irreparable injury to the State of Maryland or others I will implement such measures as are appropriate to ensure the adequate safeguarding of SSI materials. Failure to take adequate protective measures is a violation of this Agreement.
7. If I violate the terms and conditions of this Agreement, such violation may result in the cancellation of my conditional access to SSI, and may result in the cancellation of any existing agreements between me and the State of Maryland. The State of Maryland reserves the right to take any other enforcement or corrective action deemed necessary. This may serve as a basis for denying me conditional access to other State of Maryland and United States Government information, both classified and sensitive information in the future. If I violate the terms and conditions of this Agreement, the United States may institute a civil penalty against me pursuant to 49 U.S.C. 46301, 49 CFR Part 15, and 49 CFR Part 1,520 or take other enforcement or corrective action.
8. Unless and until I am provided a written release by MTA from this Agreement or any portion of it, all conditions and obligations contained in this Agreement apply both during my period of conditional access, which shall terminate at the conclusion of my work under this Project specified above in paragraph 3 and at all times thereafter.
9. Each provision of this Agreement is severable. If any administrative or judicial tribunal should find any provision of this Agreement to be unenforceable, all other provisions shall remain in full force and effect.

10. I understand that the State of Maryland and/or United States Government may seek any remedy available to it to enforce this Agreement, including, but not limited to, application for a court order prohibiting disclosure of information in breach of this Agreement, imposition of civil penalties, and any other enforcement or corrective action.
11. By granting me conditional access to information in this context, the State of Maryland and United States Government does not waive any statutory or common law evidentiary privileges or protections that it may assert in any administrative or court proceeding to protect any SSI to which I have been given conditional access under the terms of this Agreement.
12. These restrictions are consistent with and do not supersede, conflict with or otherwise alter the employee obligations, rights or liabilities created by Executive Order 12356; Section 7211 of Title 5, United States Code (governing disclosures to Congress); Section 1034 of Title 10, United States Code, as amended by the Military Whistleblower Protection Act (governing disclosure to Congress by members of the military); Section 2302 (b) (8) of Title 5, United States Code, as amended by the Whistleblower Protection Act (governing disclosures of illegality, waste, fraud, abuse or public health or safety threats); the Intelligence Identities Protection Act of 1982 (50 U.S.C. 421 et seq.) (governing disclosures that could expose confidential Government agents), and the statutes which protect against disclosure that my compromise the national security, including Sections 641, 793, 794, 798, and 952 of Title 18, United States Code, and Section 4(b) of the Subversive Activities Act of 1950 (50 U.S.C. Section 783(b)). The definitions, requirements, obligations, rights, sanctions and liabilities created by said Executive Order and listed statutes are incorporated into this Agreement and supersede this Agreement to the extent of any conflict.
13. My execution of this Agreement shall not nullify or effect in any manner any other secrecy or nondisclosure Agreement which I have executed or may execute with the State of Maryland and United States Government.
14. MTA may, from time to time, make inquiry about your use of SSI, including dissemination of SSI and measures to protect SSI. I understand that I have a duty under this Agreement to respond fully, adequately, and in good faith to any such inquiry.
15. I make this Agreement in good faith, without mental reservation or purpose of evasion.

DATE

NAME (print)

SIGNATURE

This Agreement was accepted by the undersigned on behalf of _____ [insert Company name] as a prior condition of conditional access to SSI.

DATE

WITNESSED BY – [insert position in Company]

APPENDIX A: LIST OF DRAWINGS

CONTRACT DRAWINGS

SHEET NO.	DWG. NO.	DRAWING TITLE
<u>GENERAL DRAWINGS</u>		
1	TI-01	TITLE SHEET – Removed PE Stamp
2	TI-02	PROJECT LOCATION MAPS – Removed PE Stamp
3	TI-03	PROJECT LOCATION MAPS – Removed PE Stamp
4	TI-04	PROJECT LOCATION MAPS – Removed PE Stamp
5	GI-01	INDEX OF DRAWINGS 1 OF 2 – Removed PE Stamp
6	GI-02	INDEX OF DRAWINGS 2 OF 2 – Removed PE Stamp
7	GN-01	GENERAL NOTES – Removed PE Stamp
8	GN-02	SYMBOLS AND ABBREVIATIONS – Removed PE Stamp
9	GN-03	MISCELLANEOUS DETAILS, SHEET 1 OF 3 – Removed PE Stamp
10	GN-04	PAN/TILT/ZOOM CAMERA MOUNTING DETAILS – Removed PE Stamp
11	GN-05	FIXED AND TELEPHOTO CAMERA MOUNTING DETAILS – Removed PE Stamp
12	GN-06	REMOTE CAMERA CABINET MOUNTING DETAILS – Removed PE Stamp
13	GN-07	MISCELLANEOUS DETAILS, SHEET 2 OF 3 – Removed PE Stamp
14	GN-08	MISCELLANEOUS DETAILS, SHEET 3 OF 3 – Removed PE Stamp
15	GN-09	(NOT USED) – Removed PE Stamp
<u>COLLEGE PARK MARC STATION PLANS</u>		
16	EL-1.01	VIDEO COVERAGE PLAN – Removed PE Stamp
17	EL-1.02	PLATFORM PLAN – Removed PE Stamp
18	EL-1.03	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
19	EL-1.04	WAN CABINET LAYOUT – Removed PE Stamp
20	EL-1.05	CONDUIT SCHEDULE – Removed PE Stamp
<u>PERRYVILLE MARC STATION PLANS</u>		
21	EL-2.00	DEMOLITION PLAN – Removed PE Stamp
22	EL-2.01	VIDEO COVERAGE PLAN – Removed PE Stamp
23	EL-2.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
24	EL-2.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
25	EL-2.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
26	EL-2.05	WAN CABINET LAYOUT – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
27	EL-2.06	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
28	EL-2.07	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
29	EL-2.08	CONDUIT SCHEDULE – Removed PE Stamp
<u>ABERDEEN AMTRAK/MARC STATION PLANS</u>		
30	EL-3.00	DEMOLITION PLAN – Removed PE Stamp
31	EL-3.01	VIDEO COVERAGE PLAN – Removed PE Stamp
32	EL-3.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
33	EL-3.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
34	EL-3.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
35	EL-3.05	WAN CABINET LAYOUT – Removed PE Stamp
36	EL-3.06	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
37	EL-3.07	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
38	EL-3.08	REMOTE CAMERA CABINET RC101 LAYOUT – Removed PE Stamp
39	EL-3.09	REMOTE CAMERA CABINET RC101 WIRING DIAGRAM – Removed PE Stamp
40	EL-3.10	CONDUIT SCHEDULE – Removed PE Stamp
<u>EDGEWOOD MARC STATION PLANS</u>		
41	EL-4.00	DEMOLITION PLAN – Removed PE Stamp
42	EL-4.01	VIDEO COVERAGE PLAN – Removed PE Stamp
43	EL-4.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
44	EL-4.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
45	EL-4.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
46	EL-4.05	WAN CABINET LAYOUT – Removed PE Stamp
47	EL-4.06	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
48	EL-4.07	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
49	EL-4.08	REMOTE CAMERA CABINET RC101 LAYOUT – Removed PE Stamp
50	EL-4.09	REMOTE CAMERA CABINET RC101 WIRING DIAGRAM – Removed PE Stamp
51	EL-4.10	CONDUIT SCHEDULE – Removed PE Stamp
<u>MARTIN STATE AIRPORT MARC STATION PLANS</u>		
52	EL-5.00	DEMOLITION PLAN – Removed PE Stamp
53	EL-5.01	VIDEO COVERAGE PLAN – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
54	EL-5.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
55	EL-5.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
56	EL-5.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
57	EL-5.05	WAN CABINET LAYOUT – Removed PE Stamp
58	EL-5.06	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
59	EL-5.07	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
60	EL-5.08	CONDUIT SCHEDULE – Removed PE Stamp
BALTIMORE PENN STATION (AMTRAK/MARC/LIGHT RAIL) PLANS		
61	EL-6.01	VIDEO COVERAGE PLAN - SHEET 1 OF 3 – Removed PE Stamp
62	EL-6.02	VIDEO COVERAGE PLAN - SHEET 2 OF 3 – Removed PE Stamp
63	EL-6.03	VIDEO COVERAGE PLAN - SHEET 3 OF 3 – Removed PE Stamp
64	EL-6.04	PLATFORM PLAN - SHEET 1 OF 5 – Removed PE Stamp
65	EL-6.05	PLATFORM PLAN - SHEET 2 OF 5 – Removed PE Stamp
66	EL-6.06	PLATFORM PLAN - SHEET 3 OF 5 – Removed PE Stamp
67	EL-6.07	PLATFORM PLAN - SHEET 4 OF 5 – Removed PE Stamp
68	EL-6.08	PLATFORM PLAN - SHEET 5 OF 5 – Removed PE Stamp
69	EL-6.09	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
70	EL-6.10	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
71	EL-6.11	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
72	EL-6.12	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
73	EL-6.13	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
74	EL-6.14	REMOTE CAMERA CABINET RC101 LAYOUT – Removed PE Stamp
75	EL-6.15	REMOTE CAMERA CABINET RC101 WIRING DIAGRAM – Removed PE Stamp
76	EL-6.16	REMOTE CAMERA CABINET RC102 LAYOUT – Removed PE Stamp
77	EL-6.17	REMOTE CAMERA CABINET RC102 WIRING DIAGRAM – Removed PE Stamp
78	EL-6.18	REMOTE CAMERA CABINET RC103 LAYOUT – Removed PE Stamp
79	EL-6.19	REMOTE CAMERA CABINET RC103 WIRING DIAGRAM – Removed PE Stamp
80	EL-6.20	REMOTE CAMERA CABINET RC104 LAYOUT – Removed PE Stamp
81	EL-6.21	REMOTE CAMERA CABINET RC104 WIRING DIAGRAM – Removed PE Stamp
82	EL-6.22	CONDUIT SCHEDULE - SHEET 1 OF 4 – Removed PE Stamp
83	EL-6.23	CONDUIT SCHEDULE - SHEET 2 OF 4 – Removed PE Stamp
84	EL-6.24	CONDUIT SCHEDULE - SHEET 3 OF 4 – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
85	EL-6.25	CONDUIT SCHEDULE - SHEET 4 OF 4 – Removed PE Stamp
<u>WEST BALTIMORE MARC STATION PLANS</u>		
86	EL-7.00	DEMOLITION PLAN – Removed PE Stamp
87	EL-7.01	VIDEO COVERAGE PLAN – Removed PE Stamp
88	EL-7.02	PLATFORM PLAN – Removed PE Stamp
89	EL-7.03	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
90	EL-7.04	WAN CABINET LAYOUT – Removed PE Stamp
91	EL-7.05	WAN CABINET WIRING DIAGRAMS – Removed PE Stamp
92	EL-7.06	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
93	EL-7.07	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
94	EL-7.08	WAN CABINET AND ELECTRIC SERVICE DETAILS – Removed PE Stamp
95	EL-7.09	CONDUIT SCHEDULE – Removed PE Stamp
<u>HALETHORPE MARC STATION PLANS</u>		
96	EL-8.01	VIDEO COVERAGE PLAN - SHEET 1 OF 2 – Removed PE Stamp
97	EL-8.02	VIDEO COVERAGE PLAN - SHEET 2 OF 2 – Removed PE Stamp
98	EL-8.03	PLATFORM PLAN - SHEET 1 OF 4 – Removed PE Stamp
99	EL-8.04	PLATFORM PLAN - SHEET 2 OF 4 – Removed PE Stamp
100	EL-8.05	PLATFORM PLAN - SHEET 3 OF 4 – Removed PE Stamp
101	EL-8.06	PLATFORM PLAN - SHEET 4 OF 4 – Removed PE Stamp
102	EL-8.07	MISCELLANEOUS PLANS & DETAILS – Removed PE Stamp
103	EL-8.08	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
104	EL-8.09	WAN CABINET LAYOUT – Removed PE Stamp
105	EL-8.10	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
106	EL-8.11	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
107	EL-8.12	REMOTE CAMERA CABINET RC101 LAYOUT – Removed PE Stamp
108	EL-8.13	REMOTE CAMERA CABINET RC101 WIRING DIAGRAM – Removed PE Stamp
109	EL-8.14	REMOTE CAMERA CABINET RC102 LAYOUT – Removed PE Stamp
110	EL-8.15	REMOTE CAMERA CABINET RC102 WIRING DIAGRAM – Removed PE Stamp
111	EL-8.16	REMOTE CAMERA CABINET RC103 LAYOUT – Removed PE Stamp
112	EL-8.17	REMOTE CAMERA CABINET RC103 WIRING DIAGRAM – Removed PE Stamp
113	EL-8.18	CONDUIT SCHEDULE - SHEET 1 OF 2 – Removed PE Stamp
114	EL-8.19	CONDUIT SCHEDULE - SHEET 2 OF 2 – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
<u>BOWIE STATE UNIVERSITY MARC STATION PLANS</u>		
115	EL-9.00	DEMOLITION PLAN – Removed PE Stamp
116	EL-9.01	VIDEO COVERAGE PLATFORM PLAN – Removed PE Stamp
117	EL-9.02	VIDEO COVERAGE TUNNEL PLAN – Removed PE Stamp
118	EL-9.03	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
119	EL-9.04	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
120	EL-9.05	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
121	EL-9.06	WAN CABINET LAYOUT – Removed PE Stamp
122	EL-9.07	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
123	EL-9.08	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
124	EL-9.09	REMOTE CAMERA CABINET RC101 LAYOUT – Removed PE Stamp
125	EL-9.10	REMOTE CAMERA CABINET RC101 WIRING DIAGRAM – Removed PE Stamp
126	EL-9.11	CONDUIT SCHEDULE – Removed PE Stamp
<u>SEABROOK MARC STATION PLANS</u>		
127	EL-10.00	DEMOLITION PLAN – Removed PE Stamp
128	EL-10.01	VIDEO COVERAGE PLATFORM PLAN – Removed PE Stamp
129	EL-10.02	VIDEO COVERAGE TUNNEL PLAN – Removed PE Stamp
130	EL-10.03	PLATFORM PLAN - SHEET 1 OF 3 – Removed PE Stamp
131	EL-10.04	PLATFORM PLAN - SHEET 2 OF 3 – Removed PE Stamp
132	EL-10.05	PLATFORM PLAN - SHEET 3 OF 3 – Removed PE Stamp
133	EL-10.06	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
134	EL-10.07	WAN CABINET LAYOUT – Removed PE Stamp
135	EL-10.08	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
136	EL-10.09	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
137	EL-10.10	REMOTE CAMERA CABINET RC101 LAYOUT – Removed PE Stamp
138	EL-10.11	REMOTE CAMERA CABINET RC101 WIRING DIAGRAM – Removed PE Stamp
139	EL-10.12	CONDUIT SCHEDULE – Removed PE Stamp
<u>UNIVERSITY OF BALTIMORE/MT. ROYAL LIGHT RAIL STATION PLANS</u>		
140	EL-11.01	VIDEO COVERAGE PLAN – Removed PE Stamp
141	EL-11.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
142	EL-11.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
143	EL-11.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
144	EL-11.05	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
145	EL-11.06	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
146	EL-11.07	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
147	EL-11.08	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
148	EL-11.09	CONDUIT SCHEDULE – Removed PE Stamp
<u>UNIVERSITY CENTER/BALTIMORE ST. LIGHT RAIL STATION PLANS</u>		
149	EL-12.01	VIDEO COVERAGE PLAN – Removed PE Stamp
150	EL-12.02	PLATFORM PLAN – Removed PE Stamp
151	EL-12.03	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
152	EL-12.04	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
153	EL-12.05	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
154	EL-12.06	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
155	EL-12.07	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
156	EL-12.08	CONDUIT SCHEDULE – Removed PE Stamp
<u>WESTPORT LIGHT RAIL STATION PLANS</u>		
157	EL-13.01	VIDEO COVERAGE PLAN – Removed PE Stamp
158	EL-13.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
159	EL-13.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
160	EL-13.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
161	EL-13.05	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
162	EL-13.06	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
163	EL-13.07	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
164	EL-13.08	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
165	EL-13.09	CONDUIT SCHEDULE – Removed PE Stamp
<u>CHERRY HILL LIGHT RAIL STATION PLANS</u>		
166	EL-14.01	VIDEO COVERAGE PLAN – Removed PE Stamp
167	EL-14.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
168	EL-14.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
169	EL-14.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
170	EL-14.05	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
171	EL-14.06	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
172	EL-14.07	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
173	EL-14.08	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
174	EL-14.09	CONDUIT SCHEDULE – Removed PE Stamp
<u>BWI THURGOOD MARSHALL AIRPORT LIGHT RAIL STATION PLANS</u>		
175	EL-15.01	VIDEO COVERAGE PLAN – Removed PE Stamp
176	EL-15.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
177	EL-15.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
178	EL-15.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
179	EL-15.05	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
180	EL-15.06	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
181	EL-15.07	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
182	EL-15.08	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
183	EL-15.09	CONDUIT SCHEDULE – Removed PE Stamp
<u>SHOT TOWER STATION, JONES FALLS CONDUIT HARDENING PLANS</u>		
184	EL-16.01	VIDEO COVERAGE PLAN – Removed PE Stamp
185	EL-16.02	SITE PLAN - SHEET 1 OF 2 – Removed PE Stamp
186	EL-16.03	SITE PLAN - SHEET 2 OF 2 – Removed PE Stamp
187	EL-16.04	MEZZANINE PLAN – Removed PE Stamp
188	EL-16.05	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
189	EL-16.06	EXISTING EQUIPMENT CABINET LAYOUT – Removed PE Stamp
190	EL-16.07	REMOTE CAMERA CABINET RC300 LAYOUT – Removed PE Stamp
191	EL-16.08	REMOTE CAMERA CABINET RC300 WIRING DIAGRAM – Removed PE Stamp
192	EL-16.09	CONDUIT SCHEDULE – Removed PE Stamp
<u>CENTRE STREET LIGHT RAIL STATION PLANS</u>		
193	EL-17.01	VIDEO COVERAGE PLAN – Removed PE Stamp
194	EL-17.02	PLATFORM PLAN – Removed PE Stamp
195	EL-17.03	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
196	EL-17.04	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
197	EL-17.05	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
198	EL-17.06	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
199	EL-17.07	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
200	EL-17.08	CONDUIT SCHEDULE – Removed PE Stamp
<u>LEXINGTON MARKET LIGHT RAIL STATION PLANS</u>		
201	EL-18.01	VIDEO COVERAGE PLAN – Removed PE Stamp
202	EL-18.02	PLATFORM PLAN - SHEET 1 OF 2 – Removed PE Stamp
203	EL-18.03	PLATFORM PLAN - SHEET 2 OF 2 – Removed PE Stamp
204	EL-18.04	NETWORK ARCHITECTURE ONE LINE DIAGRAM – Removed PE Stamp
205	EL-18.05	STATION EQUIPMENT CABINET LAYOUT – Removed PE Stamp
206	EL-18.06	STATION EQUIPMENT CABINET WIRING DIAGRAM – Removed PE Stamp
207	EL-18.07	REMOTE CAMERA CABINET RC100 LAYOUT – Removed PE Stamp
208	EL-18.08	REMOTE CAMERA CABINET RC100 WIRING DIAGRAM – Removed PE Stamp
209	EL-18.09	CONDUIT SCHEDULE – Removed PE Stamp
<u>EROSION & SEDIMENT CONTROL PLANS (ALL RELEVANT STATIONS)</u>		
210	ES-1.1	GENERAL NOTES – Removed PE Stamp
211	ES-1.2	VEGETATIVE & STABILIZATION NOTES – Removed PE Stamp
212	ES-2.1	DETAILS – Removed PE Stamp
213	ES-2.2	DETAILS, TYPICAL SECTION & NOTES – Removed PE Stamp
214	ES-3.1	COLLEGE PARK STATION PLAN – Removed PE Stamp
215	ES-3.2	PERRYVILLE STATION PLAN – Removed PE Stamp
216	ES-3.3	ABERDEEN STATION PLAN – Removed PE Stamp
217	ES-3.4	EDGEWOOD STATION PLAN – Removed PE Stamp
218	ES-3.5	MARTIN STATE AIRPORT STATION PLAN – Removed PE Stamp
219	ES-3.6	WEST BALTIMORE STATION PLAN – Removed PE Stamp
220	ES-3.7	BOWIE STATE UNIVERSITY STATION PLAN – Removed PE Stamp
221	ES-3.8	SEABROOK STATION PLAN – Removed PE Stamp
222	ES-3.9	UNIVERSITY OF BALTIMORE/MT. ROYAL STATION PLAN – Removed PE Stamp
223	ES-3.10	UNIVERSITY CENTER/BALTIMORE ST. STATION PLAN – Removed PE Stamp
224	ES-3.11	WESTPORT STATION PLAN – Removed PE Stamp

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
225	ES-3.12	CHERRY HILL STATION PLAN – Removed PE Stamp
226	ES-3.13	SHOT TOWER STATION PLAN – Removed PE Stamp
227	ES-3.14	CENTRE STREET STATION PLAN – Removed PE Stamp
228	ES-3.15	LEXINGTON MARKET STATION PLAN – Removed PE Stamp

REFERENCE DRAWINGS

SHEET NO.	DWG. NO.	DRAWING TITLE
<u>MARC COMMUNICATION CABINET</u>		
CONTRACT T-1128		
229	1077E01	COVER
230	1077E02	INDEX OF DRAWINGS
231	1077E03	ABBREVIATIONS AND SYMBOLS
232	1077E04	GENERAL AND ELECTRICAL NOTES
233	1077E43	SEABROOK STATION
234	1077E44	SEABROOK STATION, WAN COMMUNICATION CABINET INSTALLATION
235	1077E44A	SEABROOK STATION, ELECTRICAL PLANS
236	1077E45	BOWIE STATE STATION
237	1077E46	BOWIE STATE STATION, WAN COMMUNICATION CABINET INSTALLATION
238	1077E46A	BOWIE STATE STATION, ELECTRICAL PLANS
239	1077E51	HALETHORPE STATION
240	1077E52	HALETHORPE STATION, WAN COMMUNICATION CABINET INSTALLATION
241	1077E52A	HALETHORPE STATION, ELECTRICAL PLANS
242	1077E55	MARTIN STATE AIRPORT STATION
243	1077E56	MARTIN STATE AIRPORT STATION, WAN COMMUNICATION CABINET INSTALLATION
244	1077E56A	MARTIN STATE AIRPORT STATION, ELECTRICAL PLANS
245	1077E57	EDGEWOOD STATION
246	1077E58	EDGEWOOD STATION, WAN COMMUNICATION CABINET INSTALLATION
247	1077E58A	EDGEWOOD STATION, ELECTRICAL PLANS
248	1077E59	ABERDEEN STATION

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
249	1077E60	ABERDEEN STATION, WAN COMMUNICATION CABINET INSTALLATION
250	1077E60A	ABERDEEN STATION, ELECTRICAL PLANS
251	1077E61	PERRYVILLE STATION
252	1077E62	PERRYVILLE STATION, WAN COMMUNICATION CABINET INSTALLATION
253	1077E62A	PERRYVILLE STATION, ELECTRICAL PLANS
254	1077E65	COLLEGE PARK STATION
255	1077E66	COLLEGE PARK STATION, WAN COMMUNICATION CABINET INSTALLATION
256	1077E66A	COLLEGE PARK STATION, ELECTRICAL PLANS
257	1077E85	SEC PAD AND HANDBOX DETAIL
258	1077E85A	DISTRIBUTION RACK
259	1077E86	COMMUNICATIONS CABINET
<u>MARC EDGEWOOD STATION, IMPROVEMENTS PHASE II</u>		
CONTRACT T-1296-0140		
260	C-01	TITLE SHEET
261	C-02	INDEX OF DRAWINGS
262	C-03	CIVIL ABBREVIATIONS, SYMBOLS, AND NOTES
263	C-04	GENERAL NOTES AND ADA SUMMARY
264	P-02	PAVING PLAN
265	P-03	PAVING PLAN
266	P-04	STATION BUILDING SITE PLAN
267	P-07	ADA LONGITUDINAL RAMP PLAN
268	P-08	ADA LONGITUDINAL RAMP PLAN
269	P-09	PAVING DETAILS
270	P-10	PAVING DETAILS
271	P-11	MISCELLANEOUS DETAILS
272	P-12	RAMP AND BOLLARD DETAILS
273	P-14	DRAINAGE AND GRADING PLAN
274	P-15	DRAINAGE AND GRADING PLAN
275	P-16	DRAINAGE-PROFILES AND DETAILS
276	P-18	SITE SIGNING AND PAVEMENT MARKING PLAN
277	P-23	STATION SIGNING PLAN
278	P-27	STATION SIGNING - SIGN A DETAIL

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
279	P-28	STATION SIGNING - SIGN B DETAIL
280	P-29	STATION SIGNING - SIGN C DETAIL
281	P-30	STATION SIGNING - SIGN D DETAIL
282	P-31	STATION SIGNING - SIGN E DETAIL
283	P-32	STATION SIGNING - SIGN F DETAIL
284	P-33	STATION SIGNING - SIGN G, H, J, K, L, M, N, V DETAILS
285	P-34	STATION SIGNING - SIGN P, Q, R, S, T, U DETAILS
286	P-37	ADA COMPLIANCE PLAN
287	XS-01	CROSS SECTION STA. 103+00 TO 103+50
288	XS-02	CROSS SECTION STA. 104+00 TO 104+50
289	XS-03	CROSS SECTION STA. 105+00 TO 105+50
290	XS-04	CROSS SECTION STA. 106+00 TO 106+50
291	B-1	WALL LOCATION PLAN
292	B-2	WALL NO. 1 PLAN AND ELEVATION
293	B-3	WALL NO. 2 PLAN AND ELEVATION
294	B-4	WALL NO. 3 PLAN AND ELEVATION
295	B-5	WALL NO. 4 PLAN AND ELEVATION
296	B-6	WALL NO. 5 PLAN AND ELEVATION
297	B-7	WALL TYPICAL SECTION - I
298	B-8	WALL TYPICAL SECTION - II
299	B-14A	STRUCTURAL SIDEWALK REPAIRS AND CONDUIT INSTALLATION
300	A-001	ARCHITECTURAL ABBREVIATIONS, SYMBOLS AND LEGEND
301	A-101	SOUTH BOUND WAITING ROOM FLOOR PLAN, ROOF PLAN AND REFLECTED CEILING PLAN
302	A-102	NORTH BOUND PLATFORM SHELTER FLOOR PLAN, ROOF PLAN AND REFLECTED CEILING PLAN
303	A-301	SOUTH BOUND WAITING ROOM ELEVATIONS AND FINISH SCHEDULES
304	A-302	NORTH BOUND PLATFORM SHELTER ELEVATIONS, SECTION, DETAILS & SCHEDULE
305	A-401	SOUTH BOUND WAITING ROOM BUILDING SECTION AND WALL SECTIONS
306	A-501	PARTIAL ENLARGED PLANS WALL TYPES, DETAILS AND SCHEDULES
307	S-001	STRUCTURAL GENERAL NOTES AND TYPICAL DETAILS
308	S-101	SOUTHBOUND WAITING ROOM FOUNDATION AND FRAMING PLANS
309	S-102	NORTHBOUND PLATFORM SHELTER FOUNDATION AND FRAMING PLANS
310	S-301	SOUTHBOUND WAITING ROOM SECTIONS AND DETAILS

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
311	S-302	NORTHBOUND PLATFORM SHELTER SECTIONS AND DETAILS
312	S-501	MISCELLANEOUS DETAILS
313	M-102	HVAC & PLUMBING PLAN
314	E-101	ELECTRICAL LEGEND, ABBREVIATIONS, AND GENERAL NOTES
315	E-102	STATION LIGHTING AND POWER PLANS
316	E-103	ELECTRICAL SITE PLAN
317	E-104	ELECTRICAL SITE PLAN
318	E-105	ELECTRICAL DETAILS
319	U-01	UTILITY PLAN
320	U-02	UTILITY PROFILE PLAN
321	U-03	UTILITY DETAILS
322	LS-02	LANDSCAPING PLAN
323	LS-03	LANDSCAPING PLAN
324	LS-04	LANDSCAPING DETAILS
325	LS-05	LANDSCAPING DETAILS
326	AT-01	AMTRAK SITE PLAN - DEMOLITION
327	AT-02	AMTRAK SITE PLAN - IMPROVEMENTS
328	AT-03	AMTRAK SITE PLAN - DRAINAGE AND GRADING
329	AT-04	AMTRAK TYPICAL SECTION - I
330	AT-05	AMTRAK TYPICAL SECTION - II
331	AT-06	AMTRAK TYPICAL SECTION - III
332	AT-07	AMTRAK TYPICAL SECTION - IV
<u>MARC HALETHORPE STATION,</u>		
<u>HIGH-LEVEL PLATFORM AND PEDESTRIAN BRIDGE</u>		
CONTRACT T-0435-0340		
333	C-01	TITLE SHEET
334	C-02	INDEX OF DRAWINGS
335	C-03	INDEX OF DRAWINGS
336	B-1	GENERAL PLAN - 1
337	B-2	GENERAL PLAN - 2
338	B-3	GENERAL PLAN - 3
339	B-4	GENERAL ELEVATION - 1
340	B-5	GENERAL ELEVATION - 2

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
341	B-6	GENERAL ELEVATION - 3
342	B-15	PLATFORM TYPICAL SECTION - 1
343	B-16	PLATFORM TYPICAL SECTION - 2
344	B-17	PLATFORM TYPICAL SECTION - 3
345	B-18	PLATFORM TYPICAL SECTION - 4
346	B-19	PLATFORM TYPICAL SECTION - 5
347	B-36	PLATFORM CANOPY PLAN - 1
348	B-37	PLATFORM CANOPY PLAN - 2
349	B-38	PLATFORM CANOPY PLAN - 3
350	B-39	PLATFORM CANOPY DETAILS - 1
351	B-40	PLATFORM CANOPY DETAILS - 2
352	B-41	PLATFORM CANOPY DETAILS - 3
353	B-42	PLATFORM CANOPY DETAILS - 4
354	B-43	PLATFORM CANOPY DETAILS - 5
355	B-44	PLATFORM CANOPY DETAILS - 6
356	B-45	PLATFORM CANOPY DETAILS - 7
357	B-46	PLATFORM CANOPY DETAILS - 8
358	B-47	PLATFORM CANOPY DETAILS - 9
359	B-48	PLATFORM CANOPY DETAILS - 10
360	B-49	PLATFORM CANOPY DETAILS - 11
361	B-50	PLATFORM CANOPY DETAILS - 12
362	B-51	PLATFORM CANOPY DETAILS - 13
363	B-52	PLATFORM CANOPY DETAILS - 14
364	B-52A	PLATFORM CANOPY DETAILS - 15
365	B-52B	PLATFORM CANOPY DETAILS - 16
366	B-52C	PLATFORM CANOPY DETAILS - 17
367	B-53	PLATFORM CANOPY DETAILS - 18
368	B-53A	PLATFORM CANOPY DETAILS - 19
369	B-54	PLATFORM CANOPY DETAILS - 20
370	B-54A	PLATFORM CANOPY DETAILS - 21
371	B-54B	PLATFORM CANOPY DETAILS - 22
372	B-54C	PLATFORM CANOPY DETAILS - 23
373	A-001	ARCHITECTURAL ABBREVIATIONS, SYMBOLS AND LEGEND

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
374	A-002	CLEARANCES
375	A-101	WEST AND EAST TOWER PARKING, PLATFORM LEVEL PLANS
376	A-102	SECOND LEVEL PLAN
377	A-103	THIRD LEVEL PLAN
378	A-301	WEST TOWER - EAST ELEVATIONS
379	A-302	WEST TOWER - WEST ELEVATION
380	A-303	STATION TOWER - SOUTH ELEVATION
381	A-304	EAST TOWER - WEST ELEVATIONS
382	A-305	EAST TOWER - EAST ELEVATION
383	A-306	STATION TOWER - NORTH ELEVATION
384	A-401	WEST TOWER - BUILDING SECTIONS
385	A-402	EAST TOWER - BUILDING SECTIONS
386	A-403	LONGITUDINAL BUILDING SECTION
387	A-404	LONGITUDINAL BUILDING SECTION
388	A-405	LONGITUDINAL BUILDING SECTION
389	A-502	STAIR SECTIONS AND DETAILS
390	A-503	BRIDGE SECTION AND DETAILS
391	E-101	ELECTRICAL SITE PLAN & LEGEND
392	E-102	ELECTRICAL SITE PLAN
393	E-103	ELECTRICAL DETAILS
394	E-104	ELECTRICAL DETAILS
395	E-201	LIGHTING PLAN - LEGEND AND GENERAL NOTES
396	E-202	LIGHTING PLAN
397	E-203	LIGHTING PLAN
398	E-204	LIGHTING PLAN
399	E-301	WEST AND EAST TOWER PARKING & PLATFORM LEVEL PLANS - POWER
400	E-302	SECOND LEVEL PLAN - POWER
401	E-303	THIRD LEVEL PLAN - POWER
402	E-304	BRIDGE LEVEL PLAN - POWER
403	E-401	ROOF PLAN - LIGHTNING PROTECTION
404	E-601	LIGHTING DETAILS
405	E-701	ONE-LINE POWER RISER DIAGRAM & SCHEDULES
406	ET-220	EXISTING GROUNDING & BONDING PLANS

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
407	ET-221	PROPOSED GROUNDING & BONDING SCHEMATIC
408	ET-222	PROPOSED GROUNDING & BONDING PLANS
409	ET-223	GROUNDING & BONDING DETAILS
410	ET-701	GROUNDING & BONDING BILL OF MATERIALS
<u>LIGHT RAIL PA AND LED SIGNS SYSTEM</u>		
CONTRACT T-1294-0140		
411	TI-01	TITLE SHEET
412	GN-01	GENERAL NOTES AND ABBREVIATIONS
413	EL-02	BALTIMORE STREET STATION PLATFORM
414	EL-05	CONDUIT PROFILES AND DETAILS
415	ST-01	LED SIGN AND PRECAST CONCRETE POLE FOUNDATION DETAILS
416	ST-02	LED SIGN AND PRECAST CONCRETE POLE DETAILS
<u>HOMELAND SECURITY SURVEILLANCE PROJECT (HSSP)</u>		
CONTRACT J05B6200011		
417	ST001	TITLE SHEET
418	ST002	NETWORK ARCHITECTURE
419	ST005	FLOOR PLAN - MEZZANINE
420	ST007	FLOOR PLAN - PLATFORM
421	ST013	DETAILS - NETWORK CABINET
422	ST014	DETAILS - REMOTE CABINET
423	ST015	DETAILS - REMOTE CABINET SCHEMATIC
<u>SHOT TOWER STATION, STRUCTURE PHASE II & FINISH</u>		
CONTRACT NE-01-02		
424		TITLE SHEET
425	G-1	INDEX OF DRAWINGS
426	G-2	INDEX OF DRAWINGS
427	G-3	INDEX OF DRAWINGS
428	S-401	WEST ENTRANCE MEZZANINE AND ROOF LEVEL PLANS
429	S-402	WEST ENTRANCE SECTIONS AND DETAILS - I
430	S-403	WEST ENTRANCE SECTIONS AND DETAILS - II

APPENDIX A: LIST OF DRAWINGS CONTINUED

SHEET NO.	DWG. NO.	DRAWING TITLE
431	S-404	WEST ENTRANCE SECTIONS AND DETAILS - III
432	S-405	WEST ENTRANCE STAIR #4 & ESCALATORS #2 & #3 - PLAN AND SECTIONS
433	A-5-1	MEZZANINE PLAN - CENTRAL
434	A-13-1	LONGITUDINAL SECTION - CENTRAL
435	A-15	CROSS SECTIONS
436	A-20-1	REFLECTED CEILING & FLOOR PLAN, MEZZANINE - WEST & EAST ENTRANCE
437	A-61	ESCALATOR 2 & 3/STAIR 4 - PLAN & SECTION
438	E-55-1	EAST ELECTRICAL ROOM ENLARGED PLAN, SECTIONS AND DETAILS
439	E-58	SITE LIGHTING PLAN
440	E-69	PANELBOARD SCHEDULES SHEET 7
<u>SHOT TOWER WEST ENTRANCE PLAZA</u>		
CONTRACT MTA-23-92-32		
441		TITLE SHEET
442	CE-3	UTILITY PLAN
443	E-1	ELECTRICAL PLAN
444	E-2	DETAILS & SCHEDULE
445	M-1	IRRIGATION WATER SUPPLY PLAN



MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor
Darrell B. Mobley, Acting Secretary • Ralign T. Wells, Administrator

TO: All Planholders
FROM: Maryland Transit Administration
SUBJECT: **ADDENDUM NO. 3**
Contract No.: MTA-1397
Homeland Security Surveillance Project Phase IV
DATE: June 6, 2013

Enclosed and effective this date is Addendum No. 3 to the subject Contract. This change does delay the Proposal Due Date from June 13, 2013 to **June 27, 2013 at 2PM EST.**

The Offeror shall acknowledge receipt of this Addendum by completing and returning this form with the bid package.

All other terms and conditions remain unchanged.

Sincerely,

Riek Owens, Manager
Professional Services/Construction/Installation Section
Procurement Division

Acknowledgement of receipt of ADDENDUM # 3 to Solicitation #MTA-1397

Vendor Name: _____

Authorized Representative's Signature

Date



MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor
Darrell B. Mobley, Acting Secretary • Ralign T. Wells, Administrator

TO: All Planholders
FROM: Maryland Transit Administration
SUBJECT: **ADDENDUM NO. 2**
Contract No.: MTA-1397
Homeland Security Surveillance Project Phase IV
DATE: May 23, 2013

Enclosed and effective this date is Addendum No. 2 to the subject Contract. This change does not delay the Proposal Due Date. This Addendum notifies potential Offerors of the Site Visit being held, starting May 30, 2013 at 8:30am beginning at the Perryville Marc Station and May 31, 2013 at 8:30am beginning at the College Park Marc Station.

You must notify me by email (ROwens@mta.maryland.gov) indicating your interest no later than 4pm, EST on May 28, 2013.

The Offeror shall acknowledge receipt of this Addendum by completing and returning this form with their proposal.

All other terms and conditions remain unchanged.

Sincerely,

Rick Owens, Manager of Contracts
Professional Services/Construction/Installation Section
Procurement Division

Acknowledgement of receipt of ADDENDUM # 2 to Solicitation #MTA-1397

Offeror Name: _____

Authorized Representative's Signature

Date

- The Administration is hereby notifying prospective Offerors of the Pre-Proposal Site Visit for Contract Number MTA-1397 the Homeland Security Surveillance Project Phase IV on May 30, 2013 at 8:30AM beginning at the Perryville Marc Station and May 31, 2013 at 8:30AM beginning at the College Park Marc Station. MTA is not providing transportation for this site visit. Plan accordingly. You must notify the Procurement Officer, Rick Owens by May 28, 2013 of your participation interest. The meeting location shall be at each station parking lot and proceed in the following order:

Day 1 - Site Visit Location	Day 2 - Site Visit Locations
Perryville Station 650 Broad Street Perryville, MD 21903	College Park Station 7202 Bowdoin Ave. College Park, MD 20740
Aberdeen Station 18 E Belair Ave Aberdeen, MD 21001	Seabrook Station 6221 Seabrook Road Lanhan, MD 20716
Edgewood Station 2127 Old Edgewood Road Edgewood, MD 21040	Bowie State Station 13900 Jericho Park Road Bowie, MD 20715
Martin State Airport Station 2710 Eastern Blvd., Middle River, MD 21220	Halethorpe Station 5833 Southwestern Blvd. Baltimore, MD 21227
Baltimore Penn Station 1500 N. Charles Street Baltimore, MD 21202	West Baltimore Station 401 Smallwood Street Baltimore, MD 21223
University of Baltimore / Mt. Royal 1223 W. Mount Royal Ave. Baltimore, MD 21217	Westport Station 2114 Kloman St. Baltimore, MD 21230
Centre Street Station 540 North Howard St. Baltimore, MD 21217	Cherry Hill Station 1701 Cherry Hill Rd. Baltimore, MD 21230
Lexington Market Station 903 North Howard St. Baltimore, MD 21201	BWI Thurgood Marshall Airport BWI Thurgood Marshall Airport MD 21240
University Center / Baltimore St. 12 South Howard St. Baltimore, MD 21201	
Shot Tower Metro Station 701 E Baltimore St. Baltimore, MD 21202	

- Bidders are advised to take into consideration and reflect in their price proposal the existing installations of conduits and poles to be used by the Homeland Security Surveillance Project Phase IV per contract drawings for each location. These elements of the infrastructure were added during recent projects specifically for use by the Homeland Security Surveillance Project Phase IV contractor.



MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor
Darrell B. Mobley, Acting Secretary • Ralign T. Wells, Administrator

TO: All Planholders
FROM: Maryland Transit Administration
SUBJECT: **ADDENDUM NO. 1**
Contract No.: MTA-1397
Homeland Security Surveillance Project Phase IV
DATE: May 15, 2013

Enclosed and effective this date is Addendum No. 1 to the subject Contract. This change does not delay the Proposal Due Date.

A conformed copy of the revised specification sections is attached. A list of the changes made to this contract is attached to this Addendum.

This Addendum does revise drawings for this contract. Please email me with your company's name and mailing address at ROwens@mta.maryland.gov if you would like a copy of the revised Addendum No. 1 CD drawings sent to you.

The Offeror shall acknowledge receipt of this Addendum by completing and returning this form with the bid package.

All other terms and conditions remain unchanged.

Sincerely,

Rick Owens, Manager
Professional Services/Construction/Installation Section
Procurement Division

Acknowledgement of receipt of ADDENDUM # 1 to Solicitation #MTA-1397

Vendor Name: _____

Authorized Representative's Signature

Date

ADDENDUM NO.: 1
DATE: 05/15/13
CONTRACT NO.: MTA-1397

The following additions, deletions, and modifications are hereby made a part of the Contract Documents of Homeland Security Surveillance Project Phase IV, Contract No.: MTA-1397.

Item No.	Page	Modification
I. CONTRACT SPECIFICATIONS		
1	Section 1 – pg. RFP 10	Revised Contract Duration, Section Reference Number and Pre-Proposal Conference Floor Number
2	Section 2 – pg. RFP 25	Revised Section Reference Number
3	Section 3 – pg. RFP 30	Revised Section Reference Numbers
4	Section 3 – pg. RFP 33	Revised email address
5	SP Section 01000	Revised wording on pg. SP 62 and corrected Contract Duration on pg. SP 67 and SP 68
6	Attachment 1	Revised Page Numbering of Price Proposal Form
II. CONTRACT DRAWINGS		
See attached sheet for changes.		

MTA-1397 Addendum # 1

Item 1: Please replace the following contract drawings with the revised listed:

SHEET NO.	DWG NO.	DESCRIPTION
5	GI-01	INDEX OF DRAWINGS 1 OF 2
15	GN-09	FIXED CAMERA SHELTER MOUNTING DETAILS

HALETHORPE MARC STATION PLANS

102	EL-8.07	MISCELLANEOUS PLANS & DETAILS
104	EL-8.09	WAN CABINET LAYOUT
113	EL-8.18	CONDUIT SCHEDULE - SHEET 1 OF 2

CENTRE STREET LIGHT RAIL STATION PLANS

193	EL -17.01	VIDEO COVERAGE PLAN
194	EL17.02	PLATFORM PLAN

Item 2: Reference Drawings. The following Reference Drawings shall be added or replace:

MARC HALETHORPE STATION, HIGH-LEVEL PLATFORM AND PEDESTRIAN BRIDGE

CONTRACT T-0435-0340

REPLACE	E-104	ELECTRICAL DETAILS
REPLACE	E-301	WEST AND EAST TOWER PARKING & PLATFORM LEVEL PLANS - POWER
REPLACE	E-302	SECOND LEVEL PLAN - POWER
REPLACE	E-303	THIRD LEVEL PLAN - POWER
REPLACE	E-304	BRIDGE LEVEL PLAN - POWER
REPLACE	E-701	ONE-LINE POWER RISER DIAGRAM & SCHEDULES
ADD	E-702	MARC HALETHORPE ACCESS CONTROL SYSTEM

LIGHT RAIL PA AND LED SIGNS SYSTEM

CONTRACT T-1294-0140

ADD	EC-16	MOUNT ROYAL STATION PLATFORM
ADD	EC-24	WESTPORT STATION PLATFORM
ADD	EC-25	CHERRY HILL STATION PLATFORM

LIGHT RAIL PA AND LED SIGNS SYSTEM

CONTRACT T-1297

ADD	TI-01	TITLE SHEET
ADD	GN-01	GENERAL NOTES AND ABBREVIATIONS
ADD	EL-03	LEXINGTON MARKET STATION PLATFORM
ADD	EL-04	CENTRE STREET STATION PLATFORM

- TCIP Transit Communications Interface Profiles
- TCP Transfer Protection Connection
- TIA Telecommunications Industry Association
- UPS Unit Price Schedule
- VCPU Vehicle Central Processing Unit
- VLU Vehicle Logic Unit
- VPN Virtual Private Network
- WI-FI Wireless Fidelity
- WO Work Order
- XML Extensible Markup Language
- YTD Year to Date

1.4 Contract Type

The contract that results from this RFP shall be a fixed price contract.

1.5 Contract Duration

The term of this Contract is for a period of **22 months**.

The Offeror is encouraged to carefully evaluate means and methods to confirm compliance with the project schedule requirements provided in **Section 01000**.

Any exceptions to the project schedule must be clearly stated in the Proposal.

1.6 Procurement Officer

This RFP is issued for the MTA by the Procurement Division. The sole point-of-contact in the State for purposes of this RFP prior to the award of any contract is the Procurement Officer as listed below:

Rick Owens, Procurement Officer
Maryland Transit Administration
6 St. Paul Street, 7th Floor
Baltimore, MD 21202
Telephone #: 410-767-3360
Fax #: 410-333-4810
E-mail: rowens@mta.maryland.gov

Administration may change the Procurement Officer at any time by written notice to the Offerors.

1.7 Pre-Proposal Conference

A Pre-Proposal Conference will be held on **Friday, May 17, 2013**, beginning at 10:00 AM, at the MTA office at 6 St. Paul Street, Baltimore, Maryland 21202, **7th Floor**. Attendance at the Pre-Proposal Conference is highly recommended and all interested Offerors are encouraged to attend in order to facilitate better preparation of their

SECTION 2 – SCOPE OF WORK

2.0 SUMMARY OF WORK

2.1 Reference Sections

Reference Section **01000** for a Summary of Work outlined in this RFP document.

END OF SECTION 2

3.3.7 Project Schedule

Section 01000 describes the project schedule and associated milestones. The Administration desires to complete all aspects of the HSSP Phase IV project at the earliest possible date but no later than May 31, 2015. In order to assure that the Offeror's schedule is understood, the Offeror shall indicate the number of calendar days required to complete the project, as described in **Section 01000**. The Offeror's project schedule, as discussed herein, shall show these and other project critical completion dates, in calendar days, up to and including all field work and all systems testing.

Discuss the schedule and previous experience in managing projects of the kind envisioned for the HSSP Phase IV Project.

Discuss the interaction required with the Administration personnel to provide status reports and to communicate updates of the project schedule, utilizing sophisticated project management techniques.

Include in proposal PERT charts with identified critical path milestones, all tasks anticipated in this contract (at least down to the level of one week's duration) to demonstrate your understanding of the work required to successfully complete this project. Include a high-level summary schedule summarizing the key milestone data. These schedules shall include the Payment Milestones along with complete resource loading. An electronic version (DVD or CD) of the resource loaded schedule in Adobe Acrobat pdf format shall be enclosed with the original technical proposal.

3.3.8 Project Risk Management

The Offeror shall provide a risk assessment of the HSSP Phase IV Project, as part of the proposal. The assessment shall include the processes that were used to conduct the risk assessment, which shall include identification, analysis, response, and monitoring and control of this project. The objectives of the risk assessment are to insure timely completion of a successful project for the Administration. The risk assessment shall include:

- Risk Management Planning – Include the approach, plan and execution of the risk management activities for the complete HSSP Phase IV Project.
- Risk Identification – Identify the project risk tasks and document their potential impacts.
- Qualitative Risk Analysis – Identify and prioritize the project risk tasks based on their probability of occurrence and impact to the project.
- Quantitative Risk Analysis – Identify and prioritize the project risk tasks based on their impact to the project completion date, and for fulfilling the project scope of work.
- Risk Response Planning – Identify the options and actions to reduce or mitigate the at-risk-tasks so as to eliminate or reduce their impacts on the project completion date.
- Risk Monitoring and Control – Identify how an identified risk is tracked, how other potential risks are monitored, and how the response and recovery plan will be evaluated throughout the project.

Cell: 917 826 2147

Email: RNorrington@triremesystems.com

The HSSP Phase 4 software shall be fully compatible and equivalent to the software that has been furnished to the MTA under the HSSP Phase 1, HSSP Phase 2 and HSSP Phase 3.

- List the software package(s) being proposed to meet the functional and technical requirements, indicate the release number, and indicate whether or not this is the current release of software in use.
- The software provided shall function in such a manner as to ensure database integrity. Describe the edit routines incorporated into the proposed software that would prevent software or system failure due to erroneous or inconsistent input data.
- Discuss local and remote diagnostic and maintenance capabilities provided by the proposed system. Remote access is envisioned by the Administration. Describe the security measures that will be provided to prevent unauthorized access to the new systems. Offeror shall provide equipment and services as necessary to implement a “state-of-the-art” high-level remote access security feature acceptable to the Administration.
- Describe the extent to which the proposed new software is currently compliant with Communications Network

Provide a complete description of the hardware and software components required to network the new locations to the existing monitoring location at the PMF. Include product literature, manuals and other information that is appropriate.

3.3.15 Reliability, Availability, Maintainability, Safety (RAMS)

System response time characteristics, availability and reliability, maximum and average response times, Mean Time Between Failure (MTBF) and Mean Time To Repair (MTTR) standards shall be stated. Offeror shall clearly delineate how they will demonstrate and document RAMS during all levels of acceptance testing.

3.3.16 System Development

The proposal shall contain a description of the full complement of activities and tasks that are necessary to tailor and/or customize the HSSP Phase IV systems for Administration’s use, if any. COTS solutions are favored and customization shall be minimized. Other items to include in this description include:

1. Quality Assurance/Quality Control (QA/QC) Plans, Procedures, Audits, Documentation, etc.
2. Testing
3. Documentation
4. Staging, Installation, Integration and Cut-over
5. Training
6. Transition to Operational Status

SECTION 01000
SUMMARY OF WORK
PART 1: GENERAL

1.01 GENERAL

- A. The Contractor's operations shall conform to all applicable State and Local regulations.
- B. Wherever these Special Provisions refer to the Administration, they shall be understood to mean the Maryland Transit Administration (MTA). Whenever reference is made to Engineer, it shall mean the Administration representative for the contract.
- C. Submittals shall be made in accordance with SECTION 01300 Submittals.

1.02 CONTRACT DOCUMENTS: The work shall be performed in accordance with the following documents:

- A. The Solicitation Information and Instructions referred to as the Request for Proposal (RFP) (applicable to all portions of the work);
- B. General Provisions for Construction Contracts, October, 2001, issued by the State of Maryland Department of Transportation; Supplementary General Provisions and Special Provisions contained herein, issued by the Maryland Transit Administration of the State of Maryland, Department of Transportation, all contained in the Contract Specifications Book.
- C. The Special Provisions, Divisions 1 through 17; the Notice to Contractors; the List of Contract Drawings; and the various forms and exhibits; all contained in the Contract Specifications Book.
- D. The Liability Insurance Requirements; and the MTA Project Safety Plan; all issued by the Maryland Transit Administration of the State of Maryland Department of Transportation and contained in the Contract Specifications Book.
- E. AMTRAK and CXST requirements outlined within exhibits
- F. The Contract Drawings, Standard Plates and Reference Drawings, contained in the Contract Specifications Book or bound separately in the Contract Drawings Books. The Contractor shall not regard these as construction drawings.

SECTION 01000
SUMMARY OF WORK
PART 1: GENERAL

1.01 GENERAL

- A. The Contractor's operations shall conform to all applicable State and Local regulations.
- B. Wherever these Special Provisions refer to the Administration, they shall be understood to mean the Maryland Transit Administration (MTA). Whenever reference is made to Engineer, it shall mean the Administration representative for the contract.
- C. Submittals shall be made in accordance with SECTION 01300 Submittals.

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- B. General Provisions for Construction Contracts, October, 2001, issued by the State of Maryland Department of Transportation; Supplementary General Provisions and Special Provisions contained herein, issued by the Maryland Transit Administration of the State of Maryland, Department of Transportation, all contained in the Contract Specifications Book.
- C. The Special Provisions, Divisions 1 through 17; the Notice to Contractors; the List of Contract Drawings; and the various forms and exhibits; all contained in the Contract Specifications Book.
- D. The Liability Insurance Requirements; and the MTA Project Safety Plan; all issued by the Maryland Transit Administration of the State of Maryland Department of Transportation and contained in the Contract Specifications Book.
- E. AMTRAK and CXST requirements outlined within exhibits
- F. The Contract Drawings, Standard Plates and Reference Drawings, contained in the Contract Specifications Book or bound separately in the Contract Drawings Books. The Contractor shall not regard these as construction drawings.

- G. Contractor's Proposal (Technical and Financial), along with the Best and Final Offer once executed by the Contractor on behalf of the Contractor and all subcontractors.
- H. The RFP specifically required the Contractor to identify any variances between the requirements of the RFP and Contractor's proposal in a Compliance Matrix. If, at any time after the Contractor submitted the Best and Final Offer (BAFO), any discrepancies are identified between the requirements of the RFP and the Contractor's proposal that are not listed in the Compliance Matrix, then the MTA shall have the sole right to determine whether the work shall be done in accordance with the RFP or in accordance with the Contractor's Proposal. This determination shall be based on what MTA considers to be in its best interest.

1.03 CONTRACT DESCRIPTION:

- A. This Contract is for the construction/**installation** of Phase 4 of MTA's Homeland Security Surveillance Project (HSSP4) consisting of an Intelligent Closed Circuit TV (iCCTV) system that will provide effective surveillance of the AMTRAK, CSXT, and MTA transit properties, including stations, platforms and station sites. The Phase 4 iCCTV surveillance system builds on Phases 1, 2, and 3 Homeland Security Surveillance Project (HSSP1, HSSP2, and HSSP3) that have already been acquired by the MTA. The HSSP4 hardware, firmware, and software shall be fully compatible and equivalent to the hardware, firmware, and software that have been furnished to the MTA under the HSSP1, HSSP2, and HSSP3 Phases of the HSSP project. The HSSP4 project shall be based on existing proven technology and the use of freely available Commercial Off -The-Shelf (COTS) equipment. The HSSP4 system shall be capable of easy and cost-effective growth toward a complete MTA-wide iCCTV surveillance system.
- B. The HSSP4 project requires the same Homeland Security Surveillance system provided under HSSP1, HSSP2, and HSSP3 to be extended to cover an additional eighteen (18) sites: nine (9) MARC/Amtrak Penn Line Stations, one (1) MARC/Amtrak Camden Line Station, seven (7) Light Rail Stations and one (1) Jones Falls Outflow at Shot Tower Metro Station. HSSP4 also includes the necessary additions and modifications to the existing HSSP hardware, firmware, mapping, and software at the Police Monitoring Facility (PMF). Aralia workstations shall be provided at two remote locations: The first location will have one workstation at the MTA MARC Maintenance Shop, 2700 Eastern Blvd, Baltimore, Maryland, 21220, the second location will have two (2) workstations at MTA MARC Administrative Offices at Bush Street Division, 1515 Washington Blvd. Baltimore, Maryland 21230; removal of MARC existing analog cameras and associated equipment, where required; contractor's installation plans, testing, and training; and a new HVAC unit at Perryville ticket office if determined necessary by Contractor during final design.

C. HSSP installation sites are as follows:

Metro Subway Station

Jones Falls Outflow at Shot Tower Metro Station

Light Rail Stations:

University of Baltimore/Mount Royal

University Center / Baltimore St.

BWI Airport Station

Cherry Hill Station

Westport Station

Lexington Market

Centre Street

MARC/Amtrak Penn Line Stations:

Aberdeen

Edgewood

Martin State Airport

Baltimore Penn Station

West Baltimore

Halethorpe

Bowie State

Perryville

Seabrook

MARC/Amtrak Camden Line Station:

College Park

PMF: Police Monitoring Facility 4100 Mt. Hope Drive.
Baltimore, MD

D. This SP provides for:

- System hardware, firmware, mapping, and software design, including camera siting surveys and verification of video coverage.
- Procurement, installation, configuration and testing of all necessary systems, hardware, software, and components.
- Installation of iCCTV components at AMTRAK, CSXT and MTA locations.
- Integration of existing analog and new HID cameras at Amtrak, MARC and MTA stations and existing HSSP software suite.
- Removal of selected existing analog cameras and components at specified MARC stations.
- Contractor's Installation and station Layout Plans.
- Three workstations for Multi-casting of MARC station cameras for the replaced existing analog and new HID cameras.

- Flagging and railroad workers protection required for Amtrak, CSXT, and MTA sites.
 - Manuals, training, aids, and spare parts.
 - Testing and Acceptance testing of all installed components and systems/subsystems.
 - Contractor shall determine if the existing HVAC unit at the Perryville MARC Station ticket office is adequate to handle the extra BTUs generated by the new equipment to be installed inside this room. If not, the contractor shall upgrade the existing HVAC equipment as part of this scope of work.
 - Provision of acceptance warranty terms.
- E. The Phase 4 HSSP CCTV surveillance system shall be provided as a single prime Contractor turn-key project. Appropriate MBE participation is a requirement of the procurement.

1.04 DELIVERABLE SCHEDULE

A. CONTRACT DOCUMENTS REQUIREMENTS LIST (CDRL)

The scheduled due dates for CDRL submittals are as required in Table 1.05 of this section, or as otherwise stated in the Contract documents. Inadvertent omission of required data by the MTA from the table shall neither eliminate the requirement nor cause an extension of time for performance. Submittal items and dates shall be incorporated in the Contractor's schedule. Days are calendar days.

CDRL #	Section	Title	Submittal/Milestone Due Dates (working days)
1	01000	Contractor's Representative	NTP + 5 days
2	01300	Proposed Product List	NTP + 10 days
3	01450	Interim CQC Plan	NTP + 7 days
4	01450	Detailed CQC Plan	NTP + 30 days
5	17612	Copy of Purchase Order Agreement	NTP + 14 days
6	17114	Contractor's Installation Plan	NTP + 31
7	01360	Safety, Health and Substance Abuse Program	Contract Award + 30 days
8	01300	Progress Schedule	20 days after NTP
9	01300	Monthly Progress Schedule Updates	7th day of each Month
10	01300	Time Impact Analysis	30 days after delay
11	17612	Installation, Transition and Migration Plan	30 days prior to installation at PMF
12	17125	Test Plan	NTP + 60
13	17125	Test Procedures	With Test Plan
14	17125	Acceptance Test Procedure (ATP)	21 days before Acceptance Test
15	17114	Detailed Site Installation Plans	21 prior to installation at each site
16	01300	Shop and Working Drawings	21 days in advance of construction

			60 days in advance if CSXT / AMTRAK approval required
17	17114, 17612	Additions to PMF Software.	Contractor's Installation Plan
18	17125	Police Monitoring Facility Acceptance Report.	No later than 21 days after completion of Acceptance Test.
19	17125	Test Result Reports	5 days after Test
20	17125	Acceptance Test Report	14 days after completion of each site
21	17114	As-Built Check List	10 days after completion of each site
22	01300	Construction Photographs	Ten per month
23	01450	Source of Material Notification	30 days prior to usage
24	17612	Discrepancy Log	Monthly
25	17114	Master Interface Control Document	Contractor's Installation Plan
26	17612	Discrepancy Resolution Report	Monthly
27	17125,17114	University of Baltimore / Mt. Royal Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
28	17125,17114	University Center / Baltimore St. Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
29	17125,17114	Westport Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
30	17125,17114	Cherry Hill Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
31	17125,17114	BWI Airport Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
32	17125,17114	Lexington Market Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
33	17125,17114	Centre Street Light Rail Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
34	17125,17114	Perryville Marc Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
35	17125,17114	Aberdeen Amtrak/Marc Station Acceptance Report and "as-built" drawings	No later than 21 days after completion of Acceptance Test.
36	17125,17114	Edgewood Marc Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
37	17125,17114	Martin State Airport MARC Station Acceptance Report and "as-built"	No later than 21 days after completion of Acceptance Test.

		drawings.	
38	17125,17114	Baltimore Penn Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
39	17125,17114	West Baltimore Marc Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
40	17125,17114	Halethorpe Marc Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
41	17125,17114	Bowie State University Marc Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
42	17125,17114	Seabrook Marc Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
43	17125,17114	College Park Marc Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
44	17125,17114	Jones Falls Outflow at Shot Tower Metro Subway Station Acceptance Report and "as-built" drawings.	No later than 21 days after completion of Acceptance Test.
45	17630	Scope of Manual Revisions	30 days after Contractor's Installation Plan
46	17630	CD copies of Manuals.	90 days after Contractor's Installation Plan
47	17630	Training Plan	90 days after Contractor's Installation Plan
48	17630	Training Materials	30 days before start of training.
49	17650	Warranties	At least 30 days before start date at each station
50	17640	Delivery of Spare Parts	With completion of first station
51	17125	Completion of On Line System Performance Testing	May 31, 2015
52	17125	Final Acceptance Report	June 30, 2015

B. MILESTONE DATES

- a) The start date of contract performance shall be as stipulated in the NTP, unless otherwise specifically agreed by the MTA.
- b) The following milestone dates are proposed. Days are calendar days unless otherwise noted.

Table 2.4.1 Milestone Dates		
Deliverable	Item Description	Milestone

-	Issuance of NTP	NTP + 0 days
1	Interim CQC Plan	NTP + 7 days
2	Detailed CQC Plan	NTP + 30 days
3	Contractor's Installation Plan	NTP + 30 days
4	Acceptance of PMF	NTP + 180 days
5	Acceptance of University of Baltimore / Mt. Royal Light Rail station	May 31, 2015
6	Acceptance of University Center/ Baltimore St. Light Rail station	May 31, 2015
7	Acceptance of Westport Light Rail station	May 31, 2014
8	Acceptance of Cherry Hill Light Rail station	May 31, 2014
9	Acceptance of BWI Airport Light Rail station	May 31, 2014
10	Acceptance of Lexington Market Light Rail station	May 31, 2014
11	Acceptance of Centre Street Light Rail station	May 31, 2014
12	Acceptance of Perryville MARC station	May 31, 2014
13	Acceptance of Aberdeen Amtrak/ MARC station	May 31, 2015
14	Acceptance of Edgewood MARC station	May 31, 2015
15	Acceptance of Martin State Airport MARC station	May 31, 2015
16	Acceptance of Baltimore Penn Station Amtrak/ MARC station	May 31, 2015
17	Acceptance of West Baltimore MARC station	May 31, 2015
18	Acceptance of Halethorpe MARC station	May 31, 2015
19	Acceptance of Bowie State University MARC station	May 31, 2015
20	Acceptance of Seabrook MARC station	May 31, 2014
21	Acceptance of College Park MARC station	May 31, 2015
22	Acceptance of Jones Falls Outflow at Shot Tower Metro Subway station	May 31, 2014
23	Final O&Ms	April 30, 2015
24	Training Materials	30 Days Prior to 1 st Scheduled Training
25	Warranties Delivered	At time of Station Acceptance
26	Completion of On-Line Demonstration Testing	May 31, 2015
27	Delivery of Final Acceptance Test Report	June 30, 2015

1.05 COMPLETION TIME AND LIQUIDATED DAMAGES:

- A. Pursuant to General Provisions Articles GP-8.02 and GP-8.03, commence work on or before the date specified in the Notice to Proceed (NTP) and complete the specified portions of the work within 665 calendar days or 22 months.
- B. In the event that the Contractor fails to complete the specified work within the specified number of days after Notice to Proceed, with the exception of extensions granted by change order, liquidated damages in the amount of \$1,240.00 will be assessed pursuant to General Provisions Article GP-8.09 for each calendar day the completion of the specified work is delayed. The Contractor shall pay to the Administration the applicable amount specified

and pursuant to General Provisions Article GP-8.09 as liquidated damages for every additional calendar day in excess of the number of days prescribed. The Administration may deduct the sum of liquidated damages from any monies due or that may become due the Contractor under the Contract, or if such monies are insufficient, the Contractor or sureties thereof shall pay to the Administration any deficiency within 30 calendar days.

WORK ITEM	NUMBER OF CALENDAR DAYS	LIQUIDATED DAMAGES PER CALENDAR DAY
Completion of <u>All</u> Contract work	665	\$1,240.00

1.06 COMPLETION TIME AND OTHER SCHEDULE REQUIREMENTS:

- A. Pursuant to Article GP-8.03 of the General Provisions, commence work on or before the date stipulated in the Notice to Proceed (NTP) and complete the entire work within the number of calendar days specified in 1.06 above.
- B. Other schedule requirements are given in Section 01300 Submittals.

1.07 CONTRACTOR REPRESENTATIVES:

- A. Designate in Writing within five (5) days after receiving the Notice to Proceed (NTP), the name, official mailing address and telephone number of the Contractor's representative having complete authority to represent and to act for the Contractor. (CDRL#1)

1.08 LIABILITY INSURANCE REQUIREMENTS:

- A. MTA has chosen to provide Workers' Compensation, General Liability, Excess Liability, Builders Risk, Pollution Liability and Railroad Protective coverage on behalf of contractors and subcontractors working on this project. This approach to project insurance is commonly called a wrap-up or owner controlled insurance program (OCIP). Specific information regarding Liability Insurance Requirements is contained in the Contract Specification Book. (See Table of Contents for location of this information.)
- B. Contractors and subcontractors are to **bid work for this project net of insurance (i.e. , The Cost of Workers' Compensation, General Liability, Excess Liability, Builders Risk, Pollution Liability and Railroad Protective applicable to the work site is not be to included in the bid price)**. All bidders must complete the Insurance Premium

Worksheet and forward to MTA with the rest of your bid package. The Premium Worksheet is included in the bid package as form I, Exhibit A. This form should include the Contractor's work as well as the work of all subcontractors included in the initial bid. The insurance premium shown on this form, or the pro rata portion thereof, will be added to the base bid in the event you are excluded from the wrap-up program or the program is terminated mid-term.

- C. Amtrak and CSXT Requirements.

1.09 PAYMENTS TO CONTRACTORS

- A. By submitting a response to this solicitation, the Bidder agrees to accept payments by electronic funds transfer unless the State Comptroller's Office grants an exemption. Specific information regarding electronic funds transfer requirements and how to register for it are contained in the Contract Specification Book (See Table of Contents for location of this information.)

1.10 CONTINGENT ITEMS:

- A. Construction items for which quantities are listed in the Unit Price Schedule as "Contingent" are established for the purpose of obtaining bids on one or more pay items that may be incorporated into the project.
- B. The Engineer will have sole discretion in determining whether and to what extent these items will be incorporated into the project. The Engineer may order these items to be used at any location within the project and anytime during the work. In most cases contingent items will not be shown on the Plans. The estimated quantities specified in the Unit Price Schedule for these items are presented solely for the purpose of obtaining a representative bid price. The total of actual quantities required for the construction may be only a fraction of, or many times the estimated quantity. The requirements of GP-4.04 (Variations in Estimated Quantities) shall apply.

1.11 ADMINISTRATION FURNISHED PRODUCTS:

- A. Contractor parking will be provided at those MTA premises where on-site parking is available.
- B. An appropriate Person Identification badge will be issued by the Maryland Department of General Services (DGS) to those Contractor personnel who will be required to make frequent visits to MTA property. The MTA will coordinate the issuance of these badges. Contractors are advised that a

- signed application for each person is required together with a signed Authorization of Release of Information. A photograph will be taken by the DGS, a background check completed, and a fee of \$50.00 is required.
- C. Contractor or sub-contractor personnel who need to enter the right-of-way or track areas of the METRO, Light Rail, or MARC systems are required to attend an appropriate MTA Safety Training Course. Details of these courses will be made available to the Contractor after contract award.
- D. The MTA will allow the Contractor to enter the right-of-way or track areas of the METRO and/or Light Rail systems only after prior coordination and prior approval by the MTA. The MTA will provide any necessary safety or security escorts. Details of these escort requirements will be made available to the Contractor after contract award. The selected contractor will be required to attend a weekly escort and red tag meetings for Metro and Light Rail and MARC transit systems.
- E. Contractor and/or subcontractor personnel who need to enter the right-of-way or track areas of the Amtrak/MARC or CSXTMARC systems are required to attend an appropriate Safety Training Course. Details of these courses will be made available to the Contractor after contract award. In addition, Amtrak and CXST railroad worker's protection (flagging) will be required to enter right-of-way, station areas, and associated property at the expense of the contractor. The Contractor and/or subcontractor shall be required to sign and agree to all terms and conditions indicated in the Amtrak and CSXT requirements.
- F. The entire MTA iCCTV security system is subject to the requirements of the Homeland Security Act, and dissemination of the actual characteristics and capabilities of the system should be avoided to the greatest extent possible. Detailed information should be made available only on a "need to know" basis. Project documentation that includes sensitive information must include the following notice:
- "WARNING: This document may contain Sensitive Security Information that is controlled under 49 CFR Part 1520. Should it be determined that this document or any part thereof are indeed controlled under 49 CFR 1520, no part of this document should be released to any persons without a need to know, as defined in 49 CFR 1520, except with the written permission of the Administrator of the Transportation Security MTA, Washington, D.C. Unauthorized release may result in civil penalty or other action. For U.S. Government Agencies, public release is governed by 5 U.S.C 552."
- G. Section 1.13.H of this SP contains information on the personnel security requirements that pertain to the iCCTV surveillance project.

PART 2: PRODUCTS

NOT USED

PART 3: EXECUTION

NOT USED

PART 4: MEASUREMENT AND PAYMENT

4.01 SUMMARY OF WORK:

- A. The work required under this Section will not be measured for payment.
- B. All costs in connection herewith will not be paid for directly, but will be considered incidental to the item of work to which they pertain.

END OF SECTION

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ATTACHMENT 1 – PRICE PROPOSAL FORM

**STATE OF MARYLAND
MARYLAND DEPARTMENT OF TRANSPORTATION
MARYLAND TRANSIT ADMINISTRATION**

CONTRACT NO.: MTA-1397

TO: MARYLAND TRANSIT ADMINISTRATION PROPOSAL DUE DATE:
ATTN: PROCUREMENT DIVISION June 13, 2013
6 SAINT PAUL STREET, 7TH FLOOR
BALTIMORE, MD 21202-6806

PRICE PROPOSAL OF: _____
(Offerors Name)

PROJECT DESCRIPTION:

The Maryland Transit Administration (MTA) is requesting Proposals from qualified entities to provide Phase 4 of the Homeland Security Surveillance Project (HSSP4), consisting of an Intelligent Closed Circuit TV (iCCTV) system that will provide effective surveillance of the AMTRAK, CSXT, and MTA transit properties, including stations, platforms and station sites.

1. This proposal is hereby submitted to the Maryland Transit Administration (hereinafter sometimes called the "Administration") in response to REQUEST FOR PROPOSAL dated _____.

2. The UNDERSIGNED has thoroughly examined, acknowledges receipt of, and is familiar with the Contract Documents as well as the various instructions, information, and requirements covering the same, all as mentioned herein and in said REQUEST FOR PROPOSAL.

1. In compliance with said REQUEST FOR PROPOSAL the UNDERSIGNED hereby proposes to furnish all labor, equipment, and materials and perform all work described in and in strict accordance with the provisions of the Contract Documents for the consideration of the amounts, lump sum and unit prices listed in the attached Price Proposal Form and the Payment Schedule per Section 01110, and agrees that, upon Notice of Acceptance of Offer, within sixty (60) calendar days, unless mutually extended, he will within ten (10) calendar days after receipt of the prescribed forms, execute the Contract and furnish a performance bond and payment bond (if such bonds are required by the Contract Documents) on forms furnished by the Administration with good and sufficient surety or sureties.

4. The UNDERSIGNED agrees and understands that the time of completion are as specified in the Special Provisions unless the completion dates are extended as provided for in the contract.

5. The UNDERSIGNED agrees to pay liquidated damages in the amount specified in the Special Provisions for each and every calendar day after the completion date that the work remains incomplete unless an extension is granted as provided for in the Contract Documents.

6. The UNDERSIGNED hereby certifies that the _____(Offerors Name) / /is, / /is not (CHECK ONE) included on the GSA List of Parties Excluded from Procurement.

AND

The UNDERSIGNED hereby certified that the _____(Offerors Name) / /is, / /is not (CHECK ONE) included on the list of Contractors Suspended or Debarred from Contracting with the State of Maryland.

7. The UNDERSIGNED, as the Contractor, will perform, with its own organization, _____ percent (___ %) of the total amount of work to be performed under this contract.

8. PARENT COMPANY

a. UNDERSIGNED represents that it / /is, / /is not, (CHECK ONE) owned or controlled by a parent company. For this purpose a parent company is defined as one which either owns or controls the activities and basic business policies of the UNDERSIGNED. To own another company means the parent company must own at least a majority (more than 50 percent) of the voting rights in that company. To control another company such ownership is not required; if another company is able to formulate, determine or veto basic business policy decisions of the bidder, such other company is considered the parent of the bidder. This control may be exercised through the use of dominant minority voting rights, use of proxy voting, contractual arrangements, or otherwise.

b. If UNDERSIGNED is owned or controlled by a parent company, insert in the space below the name and main office address of the parent company.

Name

Address

9. ARREARAGES

By submitting a response to this solicitation, the undersigned shall be deemed to represent that it is not in arrears in the payment of any obligations due and owing the State of Maryland, including the payment of taxes and employee benefits, and that it shall not become so arrears during the term of the contract if selected for contract award.

10. CERTIFICATION OF NON-MARYLAND CORPORATION (FOREIGN CORPORATION)

a. A corporation not incorporated in the State of Maryland is considered to be a foreign corporation and, therefore, is required to be registered with the Maryland State Department of Assessment and Taxation if awarded this contract.

b. Where a foreign corporation is currently registered with the Department of Assessments and Taxation, such a bidder shall submit with his bid a copy of the department's certification of his registration or qualification acknowledgment.

c. If a foreign corporation is not currently registered, such a bidder shall submit with his bid his certification that, if notified of his apparent award of the contract, he will register with the Maryland State Department of Assessments and Taxation and provide a copy of the department's certification of his registration or qualification acknowledgment along with the executed contract.

11. The Contractor shall, prior to the time of execution of the contract, obtain all applicable licenses and comply with all applicable laws and regulations in the Annotated Code of Maryland.

12. All offerors must submit the following documents, fully executed, in the price proposal package:

- Price Proposal (including “Contract Financial Proposal” breakdown for each applicable item.)

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
001	01011	Mobilization	1	Allowance		\$ 320,000.00
002	01210	Miscellaneous Work Allowance	1	Allowance		\$ 625,000.00
003	01450	Quality Assurance and Quality Control	1	Allowance		\$ 190,000.00
005	01523	Engineer's Field Office	1	Allowance		\$100,000.00
006	01523	Motor Vehicle Allowance	1	Allowance		\$25,000.00
007	17125	Factory Acceptance Testing (18 Locations)	1	LS		
008	17125	Station Field Installation Acceptance Tests (18 Locations)	1	LS		
009	17630	Manual and Training	1	LS		
010	17114	University Center/Baltimore St. Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
011	17114	University of Baltimore / Mt. Royal Light Rail iCCTV System – Furnish, install, configure and test	1	LS		
012	17114	Westport Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
013	17114	Cherry Hill Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
014	17114	BWI Airport Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
015	17114	Lexington Market Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
016	17114	Centre Street Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
017	17114	Perryville Marc Station iCCTV System – Furnish, install, configure and test	1	LS		
018	17114	Aberdeen Amtrak Station iCCTV System – Furnish, install, configure and test	1	LS		
019	17114	Edgewood MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
020	17114	Martin State Airport MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
021	17114	Baltimore Penn Station Amtrak/MARC Light Rail Station iCCTV System – Furnish, install, configure and test	1	LS		
022	17114	West Baltimore MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
023	17114	Halethorpe MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
024	17114	Bowie State University MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
025	17114	Seabrook Marc Station iCCTV System – Furnish, install, configure and test	1	LS		
026	17114	College Park MARC Station iCCTV System – Furnish, install, configure and test	1	LS		
027	17114	Jones Falls Outflow at Shot Tower Metro Subway Station iCCTV System – Furnish, install, configure and test	1	LS		
028	17612	PMF Modifications	1	LS		
029	17630	Project documentation including but not limited to Training Manuals, O&M Manuals, as-built drawings	1	LS		
030	17125	30-DOT On-Line System Performance Testing	1	LS		

Item	Section	Description	Estimate of Quantity	Unit	Unit Price	Total Price
031	17640	Spare Parts	1	LS		

Award of Contract is based upon the Total Amount Bid for Item Numbers 001 through 031 Inclusive:

(Figures)

(Words)

Item	Description	Estimate of Quantity	Unit	Unit Price	Total Price
032	Railroad Protective Liability Insurance	1	LS	N/A	**\$

**This amount will only be added to the base bid of the successful bidder in the event that the bidder is excluded from the wrap-up insurance program or the program is terminated mid-term. The Insurance Premium Worksheet must be attached to the bid.

The Attached Form, "Contract Financial Proposal" breakdown should include all Labor Categories to substantiate each specific line item on the Financial Proposal Form. All rates shall be inclusive of Overhead, Other Direct Cost and General & Admin Expenses.

***The Offeror can make as many copies of this sheet as necessary to have a complete Price Proposal

A. CORPORATION BID:

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST:

By: _____

Secretary

President or Vice President

Print Name

Print Name

B. PARTNERSHIP BID:

FEIN: _____

Name of Partnership

Business Address

Telephone Number / Fax Number

Names of each Partner:

Witness:

By: _____

Signature

Signature

Print Name

C. INDIVIDUAL BID:

Print Name

S.S. No.: _____

Name

Business Address

Telephone Number / Fax Number

Witness:

By:

Signature

Print Name

Print Name

D. JOINT VENTURE

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST

By:

Secretary

President or Vice President

Print Name

Print Names

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST:

By:

Secretary

President or Vice President

Print Name

Print Name

FEIN: _____

Name of Corporation

State in which Incorporated

Business Address

Telephone Number / Fax Number

ATTEST:

By:

Secretary

President or Vice President

Print Name

Print Name

A Joint Venture doing business as _____

- * Each member of the Joint Venture must execute the Bid Form. A Corporate Officer must sign for each member of the joint venture. In the event that a Corporate Officer (President or Vice President) does not sign the Bid Form, a Power of Execution or Power of Attorney, must be submitted with the Bid Forms.