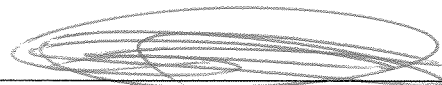




WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
600 Fifth Street, NW, Washington, DC 20001-2651

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. AMENDMENT/MODIFICATION A006		2. EFFECTIVE DATE (Same as block 17)	
3. ISSUED BY PURCHASING SECTION WMATA PRMT - CENI 600 FIFTH STREET, NW, WASHINGTON DC 20001-2651		4. ADMINISTERED BY (If other than block 3) (Same as block 3)	
5. CONTRACTOR NAME AND ADDRESS (Street, city, county, state, and Zip Code)		6. FORM TYPE (Check only one) <input checked="" type="checkbox"/> AMENDMENT OF SOLICITATION NO. <u>FQ15233/ER</u> DATE <u>9/24/15</u> (See block 7) <input type="checkbox"/> MODIFICATION OF CONTRACT/ORDER NO. DATE _____ (See block 9)	
<p align="center">7. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS</p> <input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in block 10. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offerors must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation, or as amended, by one of the following methods; (a) By signing and returning _____ copies of this amendment; (b) by acknowledging receipt of this amendment on each copy of the offer submitted; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE ISSUING OFFICE PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If, by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided such telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.			
8. ACCOUNTING AND APPROPRIATION DATA (If required) N/A			
<p>9. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS</p> (a) <input type="checkbox"/> This Change Order is issued pursuant to The Changes set forth in block 10 are made to the above numbered contract/order. (b) <input type="checkbox"/> The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 10. (c) <input type="checkbox"/> This Supplemental Agreement is entered into pursuant to authority of _____ It modifies the above numbered contract as set forth in block 10.			
<p>10. DESCRIPTION OF AMENDMENT/MODIFICATION</p> <p>SEE CONTINUATION SHEET BELOW:</p> <p align="center"><small>Except as provided herein, all terms and conditions of the document referenced in block 6, as heretofore changed, remain unchanged and in full force and effect.</small></p>			
11. <input type="checkbox"/> CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS MODIFICATION AND RETURN _____ COPIES TO ISSUING OFFICE.		<input checked="" type="checkbox"/> CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT	
12. NAME OF CONTRACTOR/OFFICE BY _____ <small>(Signature of person authorized to sign)</small>		15. WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY BY  <small>(Signature of Contracting Officer)</small>	
13. NAME AND TITLE OF SIGNER (Type or print)	14. DATE SIGNED	16. NAME OF CONTRACTING OFFICER (Type or print) RICHARD OWENS	17. DATE SIGNED 9/24/15

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
600 Fifth Street, NW, Washington, DC 20001-2651
AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT
CONTINUATION SHEET
FQ15233/ER

A. Volume 1 – Summary of Work

Delete the following pages and in turn substitute the accompanying pages:

<u>DELETE</u>	<u>SUBSTITUTE</u>	<u>DESCRIPTION</u>
A. Section 01110, Summary Of Work	A. Section 01110 Summary of Work	Replaced

*****END OF AMENDMENT 006*****

SECTION 01110
SUMMARY OF WORK

PART 1 – GENERAL

1.01 SUMMARY

- A. Contractor shall furnish and install new conduit and new electrical and data cables to support new fare equipment and systems. The work includes the installation of new under-floor duct and conduit raceways, electrical cabling circuits, and data cables at 34 station mezzanines in Washington, D.C. and Maryland.
- B. Contractor deliverables include:
 - 1. Project Schedule
 - 2. Weekly Schedule and Four-Week Look-Ahead Schedule
 - 3. Daily Work Plan
 - 4. Safety Plan and SSWP
 - 5. Project QA/QC Plan
 - 6. Installation Plan (new raceway locations)
 - 7. Power Cable Megohmmeter Test Results
 - 8. Data Cable Test Results
 - 9. Cable Wiring Diagrams
 - 10. As-Built Mezzanine Schematics of In-Floor Duct, Conduit, Power Circuits, and Data Cables
- C. The Contractor shall provide all necessary labor, supervision, material, supplies, tools, product, equipment, storage, transportation, and other items needed to satisfactorily complete the project.
- D. The finished product shall function and be installed as fully-compatible with the existing WMATA system.
- E. The work at the station mezzanines will not require track access rights.
- F. As specified in Table 1, one or more of the following tasks will be performed at each station mezzanine:
 - 1. Task 1a - Installation of Under-Floor Duct (Electrical)
 - 2. Task 1b - Installation of Exposed Conduit (Electrical)
 - 3. Task 1c - Installation of Faregate Array Under-Floor Duct (Data)
 - 4. Task 1d - Duct Repair
 - 5. Task 1e - Installation of Faregate Array Under-Floor Duct (Power)
 - 6. Task 2a - CAT6 Installation and Termination
 - 7. Task 2b - Existing CAT6 Termination Only, faregates
 - 8. Task 2c - Existing CAT6 Termination Only, vending and add-value machines
 - 9. Task 3 - Installation and Termination of Electrical Circuit Cable
 - 10. Task 4a - Installation of Fire Alarm Cable at Faregate Arrays
 - 11. Task 4b - Installation of Fire Alarm Cable to Mini-Mezzanine Faregate Array

Table 1

#	Location		Summary of Work Tasks										
	Mezzanine Location	Mezz ID	1a	1b	1c	1d	1e	2a	2b	2c	3	4a	4b
1	METRO CENTER WEST	001							X	X	X	X	
2	METRO CENTER EAST	019						X		X	X	X	
3	METRO CENTER NORTH	035							X	X	X	X	
4	METRO CENTER SOUTH	052							X	X	X	X	
5	FARRAGUT NORTH SE.	002		X				X		X	X	X	
6	FARRAGUT NORTH NW.	003		X				X		X	X	X	
7	FARRAGUT NORTH NE.	004						X		X		X	
8	DUPONT CIRCLE SO.	005						X		X		X	
9	WOODLEY PARK ZOO	007						X		X		X	
10	CLEVELAND PARK	008		X				X		X	X	X	
11	VAN NESS UDC	009		X				X		X	X	X	
12	TENLEYTOWN	010		X				X		X	X	X	X
13	FRIENDSHIP HEIGHTS NO.	011						X		X	X	X	
14	FRIENDSHIP HEIGHTS SO.	104		X				X		X	X	X	
15	GROSVENOR	014		X				X		X	X	X	
16	WHITE FLINT	015						X		X	X	X	
17	TWINBROOK	016						X		X	X	X	
18	ROCKVILLE	017						X		X	X	X	
19	GALLERY PLACE WEST	020		X				X		X	X	X	
20	GALLERY PLACE NORTH	069						X		X	X	X	
21	JUDICIARY SQUARE WEST	022						X		X		X	X
22	JUDICIARY SQUARE EAST	023							X	X	X	X	
23	UNION STATION NORTH	025		X				X		X	X	X	
24	NEW YORK AVE. SOUTH	108		X				X		X	X	X	
25	NEW YORK AVE. NORTH	109		X				X		X	X	X	
26	RHODE ISLAND	026						X		X	X	X	
27	BROOKLAND/CUA FORT TOTTEN	027	X	X	X		X	X		X	X	X	
28		028	X	X	X		X	X		X	X	X	
29	TAKOMA	029	X	X	X		X	X		X	X	X	X
30	SILVER SPRING- SOUTH	030						X		X	X	X	X
31	SILVER SPRING- NORTH	031						X	X	X	X	X	
32	FOREST GLEN	032						X		X		X	
33	WHEATON	033			X		X	X		X	X	X	
34	GLENMONT	034			X			X		X	X	X	

- Task 1a- Installation of Under-Floor Duct (Electrical)
- Task 1b- Installation of Exposed Conduit (Electrical)
- Task 1c- Installation of Faregate Array Under-Floor Duct (Data)
- Task 1d- Duct Repair
- Task 1e- Installation of Faregate Array Under-Floor Duct (Power)
- Task 2a- CAT6 Installation **and** Termination
- Task 2b- Existing CAT6 termination **only**
- Task 2c- Existing vending machines' CAT6 cable termination **only** (both ends)
- Task 3- Installation **and** Termination of Electrical Circuit Cable
- Task 4a- Installation of Fire Alarm Cable at Faregate Arrays
- Task 4b- Installation of Fire Alarm Cable to Mini-Mezzanine Faregate Array

- G. The location-specific details are provided in the electrical design drawings and site survey reports referred to as the Pre-Inspection Report (PIR) and the Mezzanine Inspection Report (MIR) located in Volume 4 of this solicitation.
- H. WMATA Standard Specifications (Division 2 through 16) and WMATA Department of Information Technology, Network and Communications Services Infrastructure Design and Wiring Standards are also included in this solicitation. Key Division sections include:
1. 02220, DEMOLITION
 2. 04050, MORTAR, GROUT AND MASONRY ACCESSORIES
 3. 07841, FIRESTOPPING
 4. 09320, TILE
 5. 16060, GROUNDING AND BONDING
 6. 16120, WIRE, CABLE AND BUSWAYS
 7. 16125, WIRE CONNECTION ACCESSORIES
 8. 16130, RACEWAYS, BOXES AND CABINETS
 9. 16440, CIRCUIT BREAKERS, PANELBOARDS AND LOAD CENTERS
 10. 16701, DEFINITIONS OF COMMUNICATIONS SYSTEM TERMS
 11. 16702, COMMUNICATIONS ABBREVIATIONS (REVISED SECTION)
 12. 16704, COMMUNICATIONS STANDARD SPECIFICATIONS – INSTALLATION
 13. 16710, COMMUNICATIONS GROUNDING
 14. 16715, COMMUNICATIONS ELECTRICAL POWER DISTRIBUTION
 15. 16731, COMMUNICATIONS - FIRE AND INTRUSION ALARM SYSTEM
 16. WMATA Department of Information Technology, Network and Communications Services Infrastructure Design and Wiring Standards

1.02 PRE-INSTALLATION ACTIVITIES

- A. The Contractor shall submit for review and approval a quality control and quality assurance plan specific to this contract (see Section 01470, QUALITY MANAGEMENT SYSTEM).
- B. The Contractor shall submit for approval a Safety Plan and a Site Specific Work Plan (SSWP) (see Section 01114, SAFETY/ENVIRONMENTAL REQUIREMENTS) applicable to all the work locations under this contract.
- C. The Contractor shall submit for review and approval product data/catalog sheets.
- D. The Contractor shall submit to WMATA for review and approval an installation plan per mezzanine location where new raceway will be installed. The plan shall include a raceway diagram and drawing identifying material and product and installation procedure per WMATA standards for all the work.
- E. WMATA will schedule a project kick-off meeting before commencement of any work.
- F. The Contractor shall have all field personnel complete WMATA Roadway Protection training (4 hours) before construction can begin.
- G. WMATA-lead confined-space access training shall be required of Contractor personnel before performing work in confined-space areas. Contractor shall contact WMATA to schedule this training.
- H. The Contractor shall submit project schedule in MS Project for WMATA review and approval (see Section 01330)

1.03 DAYS/HOURS OF WORK

- A. The standard work schedule shall be no more than 5 days a week at 8 hours a day, unless approved beforehand by WMATA.
- B. Contractor can set up and stage work and materials at a mezzanine location at 10:00 PM when authorized by a Station Manager on a case-by-case basis. Otherwise, all set up and staging must take place during non-revenue hours. The typical work week shall be from 10:00p Sunday to 6:00am Friday.
- C. Work Tasks in the public area shall begin after the last train departs the station and end before the station opening. Reference the wmata.com website to identify those times for each Metrorail station.
- D. The Contractor shall provide the WMATA Project Manager and Construction Manager 48 hours notice of any schedule change.

1.04 LOCATION

- A. The Project is located on WMATA property in the Metrorail system in Washington, D.C. and Maryland.

1.05 SITE LOGISTICS

- A. Access to the construction site shall be from station entrance. Egress from the site shall be from station exit.
- B. Delivery of materials and equipment shall be arranged on a daily basis.
- C. Construction equipment and materials shall not be staged within Authority Right-of Way and shall be protected from customers/patrons.
 - 1. Construction operations will be required to be staged as directed by the Authority.
 - 2. Staging is prohibited at faregate equipment entry, exit, and use-points that directly affect the customer/patron accessibility.
- D. Parking shall be the responsibility of the Contractor.
- E. Constraints on Construction - Work Crews and Shifts: Contractor is required to schedule work at four mezzanine locations each day. This shall be shown on the Four-Week Look-Ahead schedule each week. WMATA and the Contractor shall coordinate the schedule on a daily basis using the Daily Report and the Four-Week Look-Ahead schedule maintained by the Contractor.
- F. Coordination of Work with Others: Coordinate work through the Contracting Officer Technical Representative with the utilities and jurisdictional authorities affected by or having jurisdiction over the project
- G. Safety: Establish and manage project safety in accordance with Section 01114, SAFETY/ ENVIRONMENTAL REQUIREMENTS.
- H. Quality: Establish and manage a Quality System in accordance with Section 01470, QUALITY MANAGEMENT SYSTEM.
- I. Testing: Establish and perform testing as specified in various specification sections and in accordance with Section 01470, QUALITY MANAGEMENT SYSTEM. Submit all test results within 10 business days for WMATA review and approval.
- J. As-Built Documents: Maintain a hard-copy schematic record of As-Built conditions during construction phase and provide As-Built schematics of the work performed at the completion of each mezzanine location in accordance with Section 01775, CLOSEOUT. As-Built schematics shall show cable and termination point identifications, and raceway type/size. Indicate if existing cables are present in the raceway.

- K. Salvaging of Materials and Equipment: Salvaged material not specified for reuse shall become the property of the Contractor and shall be removed from the site

PART 2 – PRODUCTS

Quantity Table Listing:

Item	QTY	Notes
1-1/4" Conduit	375	ft, GRS with accessories
1-1/2" Conduit	520	ft, GRS with accessories
2" Conduit	60	ft, GRS with accessories
CAT6 Cable	10,322	ft
Power Cable	31,170	ft, #10
Power Cable	13,074	ft, #8
Power Cable	1,140	ft, #6
Distribut. Box	35	Under Kiosk floor (JB, LFMC, connectors)
EMG Gate Cable	9,992	ft, Gate open EMG from F/A System
U/F Duct (new)	810	#4 duct / ft, plus couplers
Duct HH (new)	95	piece
Duct Misc (new)	19	Adapters, sealant and/or other needed items
Duct Adapter	86	For conduit connection at each faregate duct Tee
Quad-Outlet	68	120V power
CAT6 module	454	CAT6 single-jack module, Ortronics #OR-S21600
Outlet box	454	Surface-mount outlet box, Ortronics #OR-404S21U

Variation in estimated quantities is further described in Volume 1, Section 00743 applies to this Quantity Table above.

PART 3 – EXECUTION (see Section 01117)

END OF SECTION