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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. Contract Number DCKA-2016-B-0032 | Page of Pages 1 9 | |
| 2. Amendment/Modification Number Amendment No. 3 | | 3. Effective Date See Section 16C Below | 4. Requisition/Purchase Request No. | 5. Solicitation Caption FY-16 Citywide ITS Maintenance |
| 6. Issued By: Office of Contracting and Procurement Roads and Highway 55 M Street SE 7th Floor Washington DC 20003 | | Code | 7. Administered By (If other than line 6) DDOT Transportation Operations Administration 55 M Street SE 6 th Floor Washington DC 20003 | |
| 8. Name and Address of Contractor (No. Street, city, country, state & zip code) | | (X) | 9A. Amendment of Solicitation No. DCKA-2016-B-0032 | |
| | | | 9B. Dated (See Item 11) August 19, 2016 | |
| | | | 10A. Modification of Contract/Order No. | |
| | | | 10B. Dated (See Item 13) | |
| Code | | Facility | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | |
| X | The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended <input checked="" type="checkbox"/> is not extended. Offers 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 completing items 8 and 15, and returning <input type="checkbox"/> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or fax which includes a reference to the solicitation and amendment number. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS 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 letter or fax, provided each letter or telegram makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | |
| 12. Accounting and Appropriation Data (If Required) | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14 | | | | |
| | A. This change order is issued pursuant to: (Specify Authority) | | | |
| | The changes set forth in Item 14 are made in the contract/order no. in item 10A. | | | |
| | B. The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) set forth in item 14, pursuant to the authority of 27 DCMR, Chapter 36, Section 3601.2. | | | |
| | C. This supplemental agreement is entered into pursuant to authority of: | | | |
| | D. Other (Specify type of modification and authority) | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not <input checked="" type="checkbox"/> is required to sign this document and return <input type="checkbox"/> copies to the issuing office. | | | | |
| 14. Description of amendment/modification (Organized by UCF Section headings, including solicitation/contract subject matter where feasible.) | | | | |
| Solicitation Number DCKA-2016-B-0032 is hereby amended as follows: | | | | |
| The responses to questions introduced at the Pre-Bid Conference are denoted on Page 2 of of this amendment. | | | | |
| NO ADDITIONAL QUESTIONS WILL BE RESPONDED TO UPON ISSUANCE OF THIS AMENDMENT NO. 3 TO THE SOLICITATION REFERENCED ABOVE. | | | | |
| Except as provided herein, all terms and conditions of the document referenced in Item (9A or 10A) remain unchanged and in full force and effect | | | | |
| 15A. Name and Title of Signer (Type or print) | | 16A. Name of Contracting Officer William Sharp, Agency Chief Contracting Officer | | |
| 15B. Name of Contractor (Signature of person authorized to sign) | 15C. Date Signed | 16B. District of Columbia (Signature of Contracting Officer) | | 16C. Date Signed 9/16/16 |

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Response to questions raised at the Pre-Bid Conference

1. **Question** - What is the difference between line items 320 and 1210, as well as between 330 and 1200? Is 1210 and 1200 installation only of DDOT furnished materials? If so, does item 1210 – Install magnetic sensor include DDOT providing the epoxy as well?
Response: 1210 and 1200 are install items supplied by DDOT.
 - i. Installation materials including epoxy to be provided by contractor

2. **Question** - Special Provisions Sections 84, 85, 86, 87, and 88 pertain to TSP equipment that has no corresponding line items in the bid. What is the purpose of these sections in the specifications?
Response: These items are materials maintained and will be installed by DDOT personnel, and do not require pricing in this solicitation.

3. **Question** - There is only a line item for the complete aggregation switch. Should the project have line items for the individual components of the aggregation switch (e.g., SDU card, MLU cards, etc.) for repair purposes?
Response: At this time DDOT is only requiring the aggregator be supplied fully loaded with appropriate 100 foot cable.

4. **Question** - What is the oldest RWIS equipment that DDOT has in the field? This information is needed to determine the necessary adapters for the replacement parts.
Response: The oldest location is on Garfield street, Model number: OWI-130-AR.

5. **Question** - The TSP License line item has a quantity of 4 in the base year, and 6 for each option year. Because of the nature of the TSP license work, there are significant fixed costs for the TSP vendor (e.g., project management, database updates, testing) that would result in a high cost per unit for such small quantities. How does DDOT intend to use this item? Are significantly larger quantities of TSP licenses anticipated?
Response: **DELETE** Page 66 and 67 of the Specifications and **REPLACE** with the attached Pages 66-R and 67-R. Also, **DELETE** Pages 11, 26, 41, 56 and 71 and **REPLACE** with the attached Pages 11-R, 26-R, 41-R, 56-R and 71-R of the Pay Item Schedule within the Bid Forms and Proposal section of this solicitation.

- Furnish and Install: 24-fiber 9/125µm (OS1/OS2) singlemode outside plant armored stranded cable.
- Furnish and Install: 36-fiber 9/125µm (OS1/OS2) singlemode outside plant armored stranded cable.
- Furnish and Install: 48-fiber 9/125µm (OS1/OS2) singlemode outside plant armored stranded cable.

MEASURE AND PAYMENT: The installation of fiber optic cable is measured for payment by the actual number of linear feet installed, complete, functional, and accepted.

82. FURNISH AND INSTALL FIBER OPTIC CABLE SYSTEM COMPONENTS:

Pay item No.: 614 993 and 614 995

This S.P. supplements Section 613.16 "FIBER OPTIC CABLE SYSTEM" of GENERAL PROVISIONS, STANDARD CONTRACT PROVISIONS, 2013

The Contractor shall furnish and install as a minimum the following components for a functioning fiber optic system.

- PIG TAILS
- CLOSURES
- FIBER OPTIC SPLICE
- FIBER OPTIC CABLE FAN OUT
- FIBER OPTIC CONNECTORS
- PATCH CORDS
- FIBER OPTIC SNOWSHOE
- TRANSCEIVERS

MEASURE AND PAYMENT: The Contractor shall follow section 613.16.02 of the general provisions of the standard specifications for highways and structures, 2013 for measure and payment information of the above items.

Perform software updates (including TSP interface licensing) on multiple Metro buses as designated by Washington Metropolitan Area Transit Authority (WMATA). The licensing will enable these Metro buses to transmit Transit Signal Priority (TSP) calls to DC traffic signals

83. RESERVED

84. FURNISH AND INSTALL AUXILIARY INTERFACE PANEL INSIDE TRAFFIC CONTROLLER CABINET:

Pay item No.: 900 007

This Work shall include all necessary hardware, wiring, and electrical connections to install the auxiliary interface panel in the traffic controller cabinet for TSP performance monitoring.

An Auxiliary Interface Panel shall be installed and configured at all intersections detailed in the Contract drawings in accordance with these Specifications. The Contractor shall furnish Auxiliary Interface Panels as indicated on the Schedule of Items. The Contractor shall coordinate with the product vendor to furnish all Auxiliary Interface Panels required for installation. DDOT shall not be responsible for the handling, transport, or storage of any Auxiliary Interface Panels prior to installation.

An auxiliary interface panel shall be used to connect the phase selector and the traffic control cabinet wiring to monitor signal activity and assess TSP operation.

The auxiliary interface panel shall provide accurate readings of light status to the Central Management System software, and shall directly plug into the phase selector and load switch AC commons. The interface panel shall be capable of receiving inputs of 89-135VAC at 57-63 Hz.

The auxiliary interface panel shall operate at temperatures from -30°C to +80 °C, and in humidity up to 95% (non-condensing). Each interface panel shall be properly configured as detailed in these Special Provisions and per manufacturer's recommendations to achieve an operating condition needed to satisfy the system requirements.

The Contractor shall provide all hardware and materials, including mounting brackets and screws, required to successfully install the auxiliary interface panel inside the traffic signal cabinet per the manufacturer's recommendations. The auxiliary interface panel shall be mounted on back of rack. The Contractor shall coordinate the installation of all auxiliary interface panels with DDOT.

SCHEDULE OF ITEMS

DATE:

REVISED:

CONTRACT ID: KA2016B0032

PROJECT(S): 2016(033)
 2016(033)
 2016(033)
 OTHERS

CONTRACTOR :

| LINE NO | ITEM DESCRIPTION | APPROX. QUANTITY AND UNITS | UNIT PRICE | | BID AMOUNT | |
|---------|---|----------------------------|------------|-----|------------|-----|
| | | | DOLLARS | CTS | DOLLARS | CTS |
| 1030 | 614993 Electrical Work Special Item -EACH- F&I VDSL MODEM DEVICE REPEATER | 1.000 EACH | | | | |
| 1040 | 614993 Electrical Work Special Item -EACH- F&I VIDEO PROCESSING UNIT | 1.000 EACH | | | | |
| 1050 | 614993 Electrical Work Special Item -EACH- F&I WIND SENSORS | 1.000 EACH | | | | |
| 1060 | 614993 Electrical Work Special Item -EACH- F&I WIRELESS ETHERNET BRIDGE WITH ANTENN | 1.000 EACH | | | | |
| 1080 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PRESENT WEATHER VISIBILITY SENSOR | 2.000 EACH | | | | |
| 1090 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PROCESSOR CARD, W/O VIDEO | 2.000 EACH | | | | |
| 1100 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS ANALOG DATA BOARD | 2.000 EACH | | | | |

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REVISED:

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PROJECT(S): 2016(033)
 2016(033)
 2016(033)
 OTHERS

CONTRACTOR : _____

| LINE NO | ITEM DESCRIPTION | APPROX. QUANTITY AND UNITS | UNIT PRICE | | BID AMOUNT | |
|---------|---|----------------------------|------------|-----|------------|-----|
| | | | DOLLARS | CTS | DOLLARS | CTS |
| 2380 | 614993 Electrical Work Special Item -EACH- F&I VDSL MODEM DEVICE REPEATER | 6.000 EACH | | | | |
| 2390 | 614993 Electrical Work Special Item -EACH- F&I VIDEO PROCESSING UNIT | 2.000 EACH | | | | |
| 2400 | 614993 Electrical Work Special Item -EACH- F&I WIND SENSORS | 2.000 EACH | | | | |
| 2410 | 614993 Electrical Work Special Item -EACH- F&I WIRELESS ETHERNET BRIDGE WITH ANTENN | 6.000 EACH | | | | |
| 2430 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PRESENT WEATHER VISIBILITY SENSOR | 2.000 EACH | | | | |
| 2440 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PROCESSOR CARD, W/O VIDEO | 2.000 EACH | | | | |
| 2450 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS ANALOG DATA BOARD | 2.000 EACH | | | | |

SCHEDULE OF ITEMS

DATE:

REVISED:

CONTRACT ID: KA2016B0032

PROJECT(S): 2016(033)
 2016(033)
 2016(033)
 OTHERS

CONTRACTOR :

| LINE NO | ITEM DESCRIPTION | APPROX. QUANTITY AND UNITS | UNIT PRICE | | BID AMOUNT | |
|---------|---|----------------------------|------------|-----|------------|-----|
| | | | DOLLARS | CTS | DOLLARS | CTS |
| 3730 | 614993 Electrical Work Special Item -EACH- F&I VDSL MODEM DEVICE REPEATER | 6.000 EACH | . | | . | |
| 3740 | 614993 Electrical Work Special Item -EACH- F&I VIDEO PROCESSING UNIT | 2.000 EACH | . | | . | |
| 3750 | 614993 Electrical Work Special Item -EACH- F&I WIND SENSORS | 2.000 EACH | . | | . | |
| 3760 | 614993 Electrical Work Special Item -EACH- F&I WIRELESS ETHERNET BRIDGE WITH ANTENN | 6.000 EACH | . | | . | |
| 3780 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PRESENT WEATHER VISIBILITY SENSOR | 2.000 EACH | . | | . | |
| 3790 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PROCESSOR. CARD, W/O VIDEO | 2.000 EACH | . | | . | |
| 3800 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS ANALOG DATA BOARD | 2.000 EACH | . | | . | |

SCHEDULE OF ITEMS

DATE:

REVISED:

CONTRACT ID: KA2016B0032

PROJECT(S): 2016(033)

2016(033)

2016(033)

OTHERS

CONTRACTOR :

| LINE NO | ITEM DESCRIPTION | APPROX. QUANTITY AND UNITS | UNIT PRICE | | BID AMOUNT | |
|---------|---|----------------------------|------------|-----|------------|-----|
| | | | DOLLARS | CTS | DOLLARS | CTS |
| 5080 | 614993 Electrical Work Special Item -EACH- F&I VDSL MODEM DEVICE REPEATER | 6.000 EACH | | | | |
| 5090 | 614993 Electrical Work Special Item -EACH- F&I VIDEO PROCESSING UNIT | 2.000 EACH | | | | |
| 5100 | 614993 Electrical Work Special Item -EACH- F&I WIND SENSORS | 2.000 EACH | | | | |
| 5110 | 614993 Electrical Work Special Item -EACH- F&I WIRELESS ETHERNET BRIDGE WITH ANTENN | 6.000 EACH | | | | |
| 5130 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PRESENT WEATHER VISIBILITY SENSOR | 2.000 EACH | | | | |
| 5140 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PROCESSOR CARD, W/O VIDEO | 2.000 EACH | | | | |
| 5150 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS ANALOG DATA BOARD | 2.000 EACH | | | | |

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DATE:

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PROJECT(S): 2016(033)
 2016(033)
 2016(033)
 OTHERS

CONTRACTOR : _____

| LINE NO | ITEM DESCRIPTION | APPROX. QUANTITY AND UNITS | UNIT PRICE | | BID AMOUNT | |
|---------|---|----------------------------|------------|-----|------------|-----|
| | | | DOLLARS | CTS | DOLLARS | CTS |
| 6430 | 614993 Electrical Work Special Item -EACH- F&I VDSL MODEM DEVICE REPEATER | 6.000 EACH | | | | |
| 6440 | 614993 Electrical Work Special Item -EACH- F&I VIDEO PROCESSING UNIT | 2.000 EACH | | | | |
| 6450 | 614993 Electrical Work Special Item -EACH- F&I WIND SENSORS | 2.000 EACH | | | | |
| 6460 | 614993 Electrical Work Special Item -EACH- F&I WIRELESS ETHERNET BRIDGE WITH ANTENN | 6.000 EACH | | | | |
| 6480 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PRESENT WEATHER VISIBILITY SENSOR | 2.000 EACH | | | | |
| 6490 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS PROCESSOR CARD, W/O VIDEO | 2.000 EACH | | | | |
| 6500 | 614993 Electrical Work Special Item -EACH- FURNISH AND REPLACE EXISTING RWIS ANALOG DATA BOARD | 2.000 EACH | | | | |