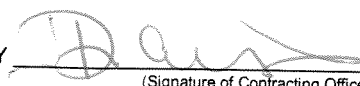




WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
 600 5th Street, Room 3G-02, Washington, DC 20001
AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

1. AMENDMENT/MODIFICATION Amendment No. 002	2. EFFECTIVE DATE <p align="center">(Same as block 17)</p>		
3. ISSUED BY PURCHASING SECTION Judy-Ann Davis Office of Procurement & Materials 600 5 th Street, Room 3G-02 Washington, DC 20001	4. ADMINISTERED BY (If other than block 3)		
5. CONTRACTOR NAME AND ADDRESS <small>(Street, city, county, state, and Zip Code)</small>	6. FORM TYPE <small>(Check only one)</small> <input checked="" type="checkbox"/> AMENDMENT OF SOLICITATION NO. <u>CQ18139/JD</u> DATE <u>March 27, 2018</u> <small>(See block 7)</small> <input type="checkbox"/> MODIFICATION OF CONTRACT/ORDER NO. DATE _____ <small>(See block 9)</small>		
7. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS <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 extended, by one of the following methods; (a) By signing and returning <u>1</u> copy 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)			
9. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS (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.			
10. DESCRIPTION OF AMENDMENT/MODIFICATION Request for Clarifications and Interpretations Answers and changes to IFB CQ18139/JD are contained on the attached continuation sheet. The date and time for receipt of Bids to IFB CQ18139/JD remains unchanged. Request for Clarifications and Interpretations Answers are attached <p align="center">SEE ATTACHED CONTINUATION SHEET</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 checked="" type="checkbox"/> CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS AMENDMENT AND RETURN ONE COPY TO THE ISSUING OFFICE.	<input 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) Judy-Ann Davis	17. DATE SIGNED 4/11/18

AMENDMENT OF SOLICITATION / MODIFICATION OF CONTRACT

CONTINUATION SHEET

Amendment 002

IFB CQ18139/JD

Page 2 of 2

The following changes are hereby made to IFB CQ18139/JD and are denoted with a # symbol:

DELETE

Page 6

SUBSTITUTE

Page 6, Revised AM002

Request for Clarifications and Interpretations Answers

1) Question: Per Requirements Checklist: Page 6, Item 6; “Does the system have dual 360° laser scanners that also collect the invert data with up to 1,000,000 points per second and up to 200 profiles per second?”

- a. Question to WMATA: **Will a system that has a 360° laser scanner that also collects the invert data with up to 1,000,000 points per second and up to 200 profiles per second be accepted?**

Answer: Yes - See attached Page 6, Revised AM002 for changes.

To be considered responsive to the Solicitation, this Amendment must be acknowledged.

-END OF AMENDMENT 002-

CQ18139 Requirements Checklist

High-Performance Kinematic Scanning System with Integrated High Density Laser Scanner and Automated Track Positioning and Train Clearance Verification Functionally with Inertial Measurement Unit (IMU)

		YES	NO
1	Does the system have an Inertial Measurement Unit (IMU)?	<input type="checkbox"/>	<input type="checkbox"/>
2	Ability to acquire its precise position from previously defined survey targets with or without the use of a traditional survey instrument?	<input type="checkbox"/>	<input type="checkbox"/>
3	Is the system able to perform real-time post processing and report creation of acquired track data while in the field?	<input type="checkbox"/>	<input type="checkbox"/>
4	Is the track as-built software able to collect, process, produce reports in the field and at a minimum export the data in ASCII, DXF 2D and 3D file formats?	<input type="checkbox"/>	<input type="checkbox"/>
5	Does the Track as-built software have all of the following capabilities?	<input type="checkbox"/>	<input type="checkbox"/>
	I. Tamping – detailed track information related to tamping activities. II. Clearance – train clearance analysis using WMATA-specific Design Criteria and be able to transition clearance templates linearly between similar shapes of varying dimensions through spiral curves using various superelevation values. III. Slab Track – compute real-time track information and analysis for Direct Fixation railway construction. IV. Track Survey – collect and process existing condition survey information as it relates to track position. V. Compute the comparison of As-built existing track to design data during maintenance and new construction. Provide a 3D point cloud scan for use in real-time clearance analysis, object detection and attribute extraction.		
6	# Does the system have a 360° laser scanner that also collect the invert data with up to 1,000,000 points per second and up to 200 profiles per second? #	<input type="checkbox"/>	<input type="checkbox"/>
7	Does the system have a gauge extension to accommodate 56 1/4" to 58" track gauge measurements?	<input type="checkbox"/>	<input type="checkbox"/>
8	Can the system be used during day and night times with or without light?	<input type="checkbox"/>	<input type="checkbox"/>
9	Does the system meet all of the following accuracies?	<input type="checkbox"/>	<input type="checkbox"/>
	I. Track geometry (versine), 2 sigma i. 0.7mm for a 30m chord. ii. 3.0mm for a 300m chord. II. 0.5mm for Superelevation (cross-level). III. 0.3mm for Gauge IV. 3.0mm for profiles V. Objects i. 3.0mm for Relative mode ii. 5.0mm for Absolute mode		