

DATE: 12/30/2024

CONTRACT SOLICITATION NOTICE/PROJECT OVERVIEW

MTA-C&D IS NOW ADVERTISING FOR THE FOLLOWING:

SSE EVENT#:0000495019

OPENING/DUE DATE: 03/03/2025

TYPE OF SOLICITATION:RFP

DOCUMENT AVAILABILITY DATE: 12/30/2024

SOLICITATION TITLE: S48019R:Design-Build Services for CBTC – Fulton-Liberty Line

DESCRIPTION: The Metropolitan Transportation Authority (“MTA”), by and through the MTA Construction and Development Company (“MTA C&D”), will be issuing a two-step Request for Proposals (“RFP”), in order to identify and engage a qualified Design-Builder to perform design, fabrication, construction, installation, testing and commissioning to replace the current fixed-block signaling system on NYCT’s Fulton and Liberty Lines with a CBTC-based Train Control System (“TCS”) that is compliant with MTA C&D’s Interoperability Interface Specification. In the first step, MTA C&D will issue a Request for Qualifications (“RFQ”) seeking Respondents who are qualified and prepared in all respects to perform the work on schedule and within budget. In the second step, MTA C&D will issue an RFP for the contract to the Respondents determined by MTA C&D to be qualified in the first step. Respondents with current contracts to perform work on MTA projects must be in good standing and satisfactorily progressing the work on such contracts to be deemed qualified to participate in the solicitation for the Contract.

Funding: 100% NYS

Est \$ Range: Over \$100M

Contract Term: 2,191 Calendar Days

*****PLEASE SEE THE ATTACHED PROJECT OVERVIEW FOR ADDITIONAL INFORMATION*****

(X) PRE-BID CONFERENCE LOCATION:

DATE: 1/9/2025

TIME: 10:00AM

Virtual via Microsoft Teams- Please contact the assigned Procurement Representative at alexander.wanless@mtacd.org to register

() SITE TOUR LOCATION:

DATE:

TIME:

FOR MORE INFORMATION, PLEASE CONTACT:

PROCUREMENT REPRESENTATIVE: Alexander Wanless

EMAIL: alexander.wanless@mtacd.org

REQUIREMENTS TO PARTICIPATE

SYSTEM FOR AWARD MANAGEMENT (SAM): VENDORS ARE REQUIRED TO REGISTER WITH SAM, A FEDERAL VENDOR DATABASE USED TO VALIDATE VEDNDOR INFORMATION, BEFORE REQUESTING BID DOCUMENTS. YOU CAN VISIT THEIR WEBSITE AT www.sam.gov TO REGISTER. A DUNS NUMBER IS REQUIRED FOR REGISTRATION.

*******WE CANNOT PROCESS DOCUMENT REQUESTS WITHOUT A MTA BIDDER/SUPPLIER NUMBER. PLEASE ACCESS THE MTA VENDOR PORTAL, WWW.MYMTA.INFO, TO REGISTER AS A BIDDER*******

**Contract No. S48019R
Project Overview**

1. Introduction to the Project

The Design-Builder for Contract S48019R will design, fabricate, construction, install, test and commission a CBTC-based Train Control System (“TCS”) that is compliant with MTA C&D’s Interoperability Interface Specification to replace the current fixed-block signaling system on NYCT’s Fulton and Liberty Lines. .

2. Contracting Methodology

The Design-Build Contract will be awarded as a lump sum price design-build contract to the Shortlisted Respondent, in its capacity as a Proposer under the RFP, that submits the Proposal that MTA C&D determines, in its sole discretion, to offer the best value based on an qualitative factors, including cost, schedule for completing the TCS, and long term maintenance costs. Contracting on a design-build basis is intended to encourage development of innovative technological solutions, designs, planning, and logistics while also optimizing the sharing of risk related to the Work.

3. Background information and Project Scope/Description

MTA Construction & Development (MTA C&D) plans to secure the services of a Design-Builder to replace the existing fixed-block relay-based signal system on New York City Transit’s Fulton and Liberty lines with a TCS based on Communication Based Train Control technology that is compliant with MTA’s Interoperability Interface Specification.

The Fulton Line includes tracks A3 and A4 on the 8th Avenue A/C/E line from immediately north of the High Street Station to south of Euclid Avenue interlocking and tracks B1 and B2 on the 6th Avenue “F” line and Crosstown “G” line, from north of the York Street interlocking to north of the Bergen Street interlockings on the upper and lower levels. The Liberty Line includes tracks A3 and A4 on the 8th Ave A/C/E lines from south of the Euclid Avenue interlocking to, and inclusive of, Ozone Park-Lefferts Boulevard Station.

a) Key elements of the Work for the Project Line include:

- i) Providing a wayside CBTC-based train control system that replaces all existing signaling functions and equipment and is fully interoperable with CBTC-equipped trains that operate on the Project Line and on the existing Automatic Train Supervision system deployed on NYCT’s “B” Division (NYCT’s lines operating with lettered service, A, B, C etc.).
- ii) Providing a 5G-based wayside Data Communication System network.
- iii) Expanding the existing Automatic Train Supervision system for the “B” Division, at NYCT’s Rail Control Center in Manhattan and Backup Rail Control Center in Brooklyn, to include the Project Line.
- iv) Providing software based, local control panels connected directly to the train control system equipment for an independent redundant control of the train control system.
- v) Providing a maintainer local control panel in each train control room that allows the maintainer to control the train control system field equipment, locally perform fault finding diagnostic test, and train control system administration, including document control.
- vi) Performing track switch layout modifications, switch machine replacement and other Work related to the replacement of existing switches on the Project Line.

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- vii) Providing new or updating existing rooms and enclosures in the stations on the Project Line to contain the train control system equipment provided by the Design-Builder.
- viii) Providing a complete axle counter system.
- ix) Providing all supporting systems required for operation of the train control system, including but not limited to, utilities, mechanical and civil work, power supply, cabling, raceways and associated signaling equipment.
- x) Removing and disposing of the decommissioned fixed-block, relay-based and mechanical signal system equipment.
- xi) Installing cabling and associated equipment for the deployment of a 5G wireless underground cell network to be completed by Boldyn Networks.

4. Procurement Process

- a) The procurement process for Contract S48019R consists of two steps: (i) the Request for Qualifications and (ii) the Request for Proposals, as described in further detail below:
 - i) This Step 1, the RFQ, invites interested teams (each, a “Respondent”) to submit SOQs that detail, among other things, preparedness to formally submit a proposal (“Proposal”) for the Design-Build Contract and qualifications to perform the Work.
 - ii) MTA C&D will evaluate all SOQs received in accordance with the criteria set out in this RFQ. Based on its evaluation, MTA C&D will select Respondents (the “Shortlisted Respondents”) that it has deemed, in its sole discretion, to possess the capability, capacity, and experience necessary to undertake and successfully complete the Work. Only the Shortlisted Respondents will be eligible to participate in the second step of the procurement process, the Request for Proposals (“RFP”).
 - iii) In Step 2, MTA C&D will issue the RFP to invite the Shortlisted Respondents as proposers (“Proposers”) to submit Proposals. MTA C&D will evaluate each Proposal received in accordance with the RFP requirements and select the Proposal that, in MTA C&D’s sole discretion, represents the best value to MTA C&D. While price will be a factor in the evaluation, design, technical innovation and approach, schedule and other qualitative factors will also be considered.
 - iv) The RFP will provide specific instructions on the submission requirements, the evaluation factors, and rating guidelines .
 - v) Prior to issuing the RFP, MTA C&D may, in its discretion, issue a draft of the RFP to the Shortlisted Respondents to solicit feedback. MTA C&D reserves the right to conduct one-on-one discussions with each Shortlisted Respondent to obtain such feedback.
 - vi) During Step 2, MTA C&D will offer a stipend to Shortlisted Respondents that submit Proposals that are responsive to the RFP requirements but are not awarded the Contract.
- b) All SOQs shall be submitted electronically to MTA C&D by the SOQ Due Date set forth in the RFQ in accordance with the instructions for electronic submittals set forth in the RFQ.
- c) A Respondent that was previously selected by MTA C&D for the “short list” of respondents for Contract S48019 shall be deemed qualified, without submitting an SOQ, to submit a proposal in response to the

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RFP for this Contract S48019R, provided that such Respondent submits a statement signed by representatives of the qualified Respondent's Major Participants (defined below) that:

- (i) Respondent intends to submit a proposal in response to the RFP for this Contract;
 - (ii) There are no changes to Respondent's Major Participants and Key Personnel from those presented in Respondent's SOQ for Contract S48019; and
 - (iii) Respondent's Major Participants Schedule B and Financial Statement are current and have been uploaded to MTA C&D's Document Repository within the last 12 months.
- d) For the avoidance of doubt, a Respondent that was previously selected for a "short list" under Contract S48019, is required to submit a complete SOQ in accordance with the requirements of this RFQ if the Respondent is unable to confirm the requirements set forth in the subparagraphs above.

5. RFQ Availability

The RFQ documents will be made available to all prospective Respondents on or about December 31, 2024. In order to obtain the RFQ documents, prospective Respondents need to complete and submit the Contract Document Order Form to SolicitationDocs@mtacd.org. After the order form is processed, prospective Respondents will be notified and instructed to log in the MTA Vendor Portal, www.mymta.info, and download the RFQ documents.

IMPORTANT:

Vendors' contact information must be updated in the Supplier Portal in order to receive notifications regarding this solicitation.

New Vendors must first complete the registration process in order to obtain the RFQ documents. To register log in the MTA Vendor Portal, www.mymta.info, selecting Vendor Sign-in & Registration, select New Bidder Registration and then follow the on-screen instructions.

6. Evaluation of SOQs

As described in more detail in the RFQ, SOQs will be evaluated to establish a shortlist of qualified Respondents. Each Respondent's SOQ will be evaluated on a pass/fail basis for compliance with the SOQ submittal requirements, including:

- a) Threshold Evaluation Criteria
 - i) **Completeness:** The SOQ conforms to the RFQ requirements and includes all materials required by the RFQ .
 - ii) **Timeliness:** The SOQ was submitted on or before the SOQ Due Date and time.
 - iii) **Capacity:** The Respondent has presented evidence that its organization has the legal capacity to enter into and perform the Design-Build Contract and CBTC Maintenance Contract, and to perform the Work and comply with New York licensing requirements.
 - iv) **Responsibility:** Neither the Respondent nor any Major Participant is currently disqualified, removed, debarred, or suspended from performing or bidding on work for the United States government, any state or territory of the United States, or any New York local government; and demonstrates responsibility based on any publicly available reports and filings, reference checks as applicable, and company or court records or other internal MTA documents that are available to

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MTA C&D.

- v) **Financial Capability**: Respondent has demonstrated financial strength sufficient to complete the Project and has provided a letter from an eligible Surety to satisfy the requirements set forth in the RFQ.

b) Substantive Evaluation Criteria.

i) **Team, Key Personnel and Organization**

- (a) the demonstrated qualifications and experience of the proposed Key Personnel;
- (b) the demonstrated capability and experience of the proposed management team, including the ability to manage all aspects of the Design-Build Contract and successfully integrate the various Major Participants; and
- (c) organizational capacity to ensure sufficient staffing to perform the design and construction work.

- ii) **Understanding of and Preliminary Approach to the Work**: The extent to which a Respondent demonstrates an understanding of, and approach to, the Work, including unique issues, specific risks, and any challenges associated with the Work, and maintenance of the CBTC equipment.

- iii) **Prior Experience**: The extent and depth of each Major Participant's experience with projects of a similar size, type, and complexity, including the Reference Projects.

- iv) **Past Performance**: Demonstrated record of performance of all Major Participants including:

- (a) Completion of contracts on schedule;
- (b) Quality of work product; and
- (c) Completion within budget.

- v) **Diversity Compliance**: Respondent's record of successful MWBE, DBE, or SDVOB usage on past and current projects, and organizational commitment as demonstrated by policies, internal structures, and practices.

7. Experience and Performance of Respondent Teams

- a) During the RFQ process, MTA C&D will identify Respondent Teams comprised of the best design and construction firms available with demonstrated experience, expertise, capacity, and record of producing quality work on projects similar in nature to the Project.

- i) To identify Respondents that include a Designer and Construction Contractor with:

- (a) Experience in successfully managing, designing and constructing projects of the size, type and complexity as reflected in the Scope of Work Overview ;
- (b) a record of completing contracts on time and within budget;
- (c) technical and management experience and expertise to plan, organize and execute the design and construction and assure the quality and safety of the Work; and
- (d) qualified Key Personnel with experience managing and performing work in active rail and transit station environments, including without limitation, project managers, construction managers, design consultants, safety managers, quality managers and schedulers.

- ii) To identify Respondents that include a CBTC Supplier with:

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- (a) experience in successfully, designing, furnishing and maintaining a CBTC system and equipment, with such performance and technical specifications, for such purposes, and in environments similar to those reflected in the Scope of Work Overview.
- (b) a record of completing contracts (including, as applicable, as a prime or subcontractor) on time and within budget;
- (c) experience in and a record of providing long term warranties, maintenance and support to project owners;
- (d) technical and management experience and expertise to plan, organize and execute the relevant parts of the Work and assure quality and safety of the Work; and
- (e) qualified key personnel with experience managing and performing work in the environments similar to those reflected in the Scope of Work Overview.

8. General Limitations on Respondent Team Membership

- a) Subject to the RFQ, and in addition to any other restriction or qualification on Respondent team membership and on the inclusion of Major Participants and Key Personnel:
 - i) no Major Participant shall participate on more than one (1) Respondent team;
 - ii) no Affiliate of any Major Participant shall participate on another Respondent's team;
 - iii) notwithstanding the foregoing, while the CBTC Supplier may only participate as a Major Participant/CBTC Supplier on one (1) Respondent team, it may also participate as a non-Major Participant subcontractor for non-CBTC track and signaling work on additional Respondent teams;
 - iv) entities shall not participate on separate Respondent teams;
 - v) with the exception of the CBTC Supplier, no firm that employs one or more of the individuals named as Key Personnel on one (1) Respondent team may serve any role on another Respondent team; and
 - vi) no individuals serving a Key Personnel role on one (1) Respondent team may serve any role on another Respondent team.
- b) Respondents and Major Participants that are not selected as a Shortlisted Respondent are not restricted under the RFQ solely on the basis of having been a member of such unsuccessful Respondent team. Following the public announcement identifying the Shortlisted Respondents, members of each unsuccessful Respondent team (including Major Participants) may seek to join the team of a Shortlisted Respondents, subject to the restrictions set forth herein.

9. Limitations on Exclusivity

CBTC Suppliers participating as a non-Major Participant that are not prohibited from participating on more than one (1) Respondent team under the RFQ, may participate on more than one (1) Respondent team subject to compliance with the following requirements in order to protect the integrity of the procurement process:

- a) The engagement of a CBTC Supplier as a non-Major Participant or any of their Affiliates by two (2) or more Respondent teams shall be subject to:
 - i) the disclosure to all relevant Respondent teams that such entities and personnel are engaged by another Respondent team;
 - ii) the institution of Information Barriers acceptable to MTA C&D; and

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- iii) the prohibition of any such entity and their personnel sharing information (or being asked by a Respondent team to share information) regarding the procurement, and the Design-Build Contract
 - I. the disclosure to all relevant Respondent teams that such entities and personnel are engaged by another Respondent team;
 - II. the institution of Information Barriers acceptable to MTA C&D; and
 - III. the prohibition of any such entity and their personnel sharing information (or being asked by a Respondent team to share information) regarding the procurement, and the Design-Build Contract.