

**DATE: 05/27/2021**

**CONTRACT SOLICITATION NOTICE/PROJECT OVERVIEW**

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

**SSE EVENT#:** 0000354487

**OPENING/DUE DATE:** 07/09/2021

**TYPE OF SOLICITATION:** RFP

**DOCUMENT AVAILABILITY DATE:** 05/27/2021

**SOLICITATION TITLE:** C34866 Design-Build Services for the SCADA Systems Upgrades Project

**DESCRIPTION:** MTA seeks to retain the services of a qualified design-build team (the “Design-Builder”) for design-build services to upgrade the Supervisory Control and Data Acquisition (“SCADA”) system which connects to the existing power control center (the “PCC”) and to create a new back-up power control center. MTA C&D intends to award the design-build contract (the “Design-Build Contract”) at the conclusion of the RFP process.

Funding: 100% FTA      Goals: 22.5% DBE      Est \$ Range:\$10M - \$50M

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

**(X) PRE-BID CONFERENCE LOCATION:**

**DATE:** 06/08/2021

**TIME:** 10:00AM

Virtual via Microsoft Teams

**(X) SITE TOUR LOCATION:**

**DATE:**

**TIME:**

**FOR MORE INFORMATION, PLEASE CONTACT:**

**PROCUREMENT REPRESENTATIVE:** Christina Nickolas

**EMAIL:** christina.nickolas@nyct.com

**REQUIREMENTS TO PARTICIPATE**

**DATA UNIVERSAL NUMBERING SYSTEM (DUNS) NUMBER:** ALL VENDORS MUST HAVE A DUN & BRADSTREET DUNS NUMBER IF THEY WISHTO PARTICIPATE IN THIS PROCUREMENT. VENDORS WHO DO NOT HAVE A DUNS NUMBER CAN REGISTER ONLINE AT [WWW.MYDNB.COM](http://WWW.MYDNB.COM). TO OBTAIN ONE FREE OF CHARGE. YOU MUST STATE THAT THE NUMBER IS REQUIRED FOR SAM (SYSTEM FOR AWARD MANAGEMENT)

**SYSTEM FOR AWARD MANAGEMENT (SAM):** VENDORS ARE ALSO 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](http://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](http://WWW.MYMTA.INFO), TO REGISTER AS A BIDDER\*\*\*\*\***

## **C34866 – Design-Build Services for the SCADA Systems Upgrades Project Project Overview**

### **1. Introduction to the SCADA Systems Upgrades Project**

MTA seeks to retain the services of a qualified design-build team (the “Design-Builder”) for design-build services to upgrade the Supervisory Control and Data Acquisition (“SCADA”) system which connects to the existing power control center (the “PCC”) and to create a new back-up power control center. MTA C&D intends to award the design-build contract (the “Design-Build Contract”) at the conclusion of the RFP process.

### **2. Contracting Methodology**

The Design-Build Contract will be awarded as a fixed 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 evaluation of qualitative factors, including cost and schedule, following the two-step solicitation process. This method of procurement is intended to encourage development of innovative designs, planning and logistics while also optimizing schedule and the sharing of risks related to the Work.

### **3. Background Information**

The SCADA system allows for the remote management of the electrical traction power supply for the NYCT subway system. The SCADA system is managed from the Power Control Center, located in the Borough of Manhattan, from which NYCT can monitor, remove, and restore the traction power as needed. The Work of this Contract is to create a back-up power control center in the Borough of Brooklyn to be used in the event that an emergency renders the PCC non-operational or inaccessible.

In addition, the SCADA system at the PCC uses a new DYNAC ES system for three of the sixteen control zones within the BMT division. The remaining thirteen control zones communicate to the PCC via a combination of copper and fiber optic cabling that cannot support the Ethernet protocol required by the new DYNAC ES system.

### **4. Project Scope/Description**

The Work for this Contract is to upgrade the remaining thirteen BMT control zones to interface to the DYNAC ES SCADA system and integrate these control zones with the three control zones that were previously upgraded. The Work will include the installation of new PLC gateway cabinets, data cabinets, and other associated equipment in the control zones. New fiber optic cable will be installed as the primary connection from each control zone to a communications room, which will then be connected to the PCC to support the Ethernet protocol for the new DYNAC ES system. In addition, the Work includes connecting each control zone to a secondary communications room through new or existing fiber optic cables.

At the PCC, the Work includes the installation of a new LCD video wall display and other associated equipment for the BMT control zones to replace the existing master terminal units, and the installation of new workstations for unified operation of all sixteen BMT control zones.

In addition, the Work includes the creation of a new back-up power control center in Brooklyn, which shall be capable of seamlessly operating all sixteen (16) BMT zones and will have the necessary infrastructure to connect to the IRT and IND divisions in the future.

## **5. Procurement Process**

The procurement process will consist of two steps: (i) the Request for Qualifications; and (ii) the Request for Proposals as described in further detail below.

This Step 1, the RFQ, invites interested teams (each, a “Respondent”) to submit statements of qualifications (“SOQs”) that detail, among other things, preparedness to formally submit a proposal (“Proposal”) for the Contracts and qualifications to perform the Work.

MTA C&D will evaluate all SOQs received in accordance with the criteria set out in the 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”).

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, other qualitative factors such as design and technical approach will also be considered. Additionally, schedule will be a major determinative element in awarding the Design-Build Contract.

The RFP will provide specific instructions on the submission requirements, the evaluation factors, and rating guidelines.

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. 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 Contracts.

## **6. RFQ Availability**

The RFQ documents will be made available to all prospective Respondents on or about May 27, 2021. In order to obtain the RFQ documents, prospective Respondents will need to complete and submit the order form available on the MTA’s website by clicking the “Document Order Form” link.

## **7. Evaluation of SOQs**

As described in more detail in the RFQ, SOQs will be evaluated to establish a shortlist of qualified Respondents. MTA C&D anticipates using a pass/fail process that incorporates qualitative assessments to evaluate the SOQs. Each Respondent’s SOQ will be evaluated on a pass/fail basis for compliance with the SOQ submittal requirements, including:

- completeness and responsiveness of the SOQ;
- experience;
- past performance with regard to:
  - quality of work
  - schedule compliance
  - meeting DBE goal requirement
- organization, capacity, and proposed key personnel;
- project understanding and approach;
- responsibility; and
- financial strength.

Evaluations will include qualitative assessments where a Respondent may be deemed to fail (and not be shortlisted), even if the Respondent was responsive to the terms of the RFQ.

## **8. Experience and Performance of Respondent Teams**

During the RFQ process, MTA C&D will identify Respondents, that include a Lead Contractor, Lead Designer, and SCADA Systems Integrator, with:

- experience in successfully managing, designing, and constructing projects of size, type and complexity as reflected in the scope of work;
- a record of completing contracts on time and within budget;
- 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
- qualified key personnel with experience managing and performing work in active rail and transit station environment, including without limitation, to project managers, construction managers, design consultants, safety managers, quality managers, and schedulers.

The background and experience for the Lead Contractor and Lead Designer shall be demonstrated on at least two (2), but no more than four (4), Reference Projects of similar size, type, and complexity in excess of \$10 million with:

- project delivery using design-build contracting; and
- experience with SCADA systems or other complex data communications systems; and
- experience in railroad and transit infrastructure construction; or
- project delivery in a major metropolitan area within North America.

The background and experience for the SCADA Systems Integrator shall be demonstrated on at least two (2), but no more than four (4), Reference Projects of similar size, type, and complexity in excess of \$5 million with:

- relevant experience of successfully performing as a prime contractor or subcontractor on SCADA projects of a similar size, type, and complexity; and
- sufficient organizational structure, management resources, equipment and labor to assured MTA C&D that the Work will be completed on schedule.

## **9. General Limitations on Respondent Team Membership**

- A. Subject to Section 10 below, and in addition to any other restriction or qualification on Respondent team membership and on the inclusion of Major Participants and Key Personnel:
- i. with the exception of the Designer and the SCADA Systems Integrator:
    - no Major Participant shall participate on more than one (1) Respondent team;

- no Affiliate of any Major Participant shall participate on another Respondent's team;
- Affiliated entities shall not participate on separate Respondent teams;
- 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
- 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 this Section 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.

## **10. Limitations on Exclusivity**

SCADA Systems Integrators, Designers, or their Affiliates, which are not prohibited from participating on more than one (1) Respondent team under Section 9, 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:

- Respondents may not team with or engage a SCADA Systems Integrator if such teaming is conditioned on that entity or its Affiliates being on the Respondent's team on an exclusive basis;
- The engagement of a SCADA Systems Integrator, Designer, 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 (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.
- If a Respondent elects to non-exclusively engage two (2) Designers for its SOQ, MTA C&D will treat such Designers as a Joint Venture. However, if MTA C&D determines that such arrangement does not represent a true Joint Venture and is not in the best interests of the RFQ and/or performance of the Work, MTA C&D may, in its discretion, require the Respondent to: (i) demonstrate that such arrangement reflects a true Joint Venture arrangement appropriate for Contract A46030; and/or (ii) finalize the engagement of one (1) but not both Designers with the revised engagement documented as an Organizational Change either under the terms of this RFQ or the equivalent terms of the RFP. In addition, Shortlisted Respondents and Proposers will be permitted, at their own initiative, to finalize the engagement of one (1) Designer, but not both Designers with the revised engagement documented as an Organizational Change either under the terms of this RFQ or the equivalent terms of the RFP.