

**DATE: 10/15//2021**

## **CONTRACT SOLICITATION NOTICE/PROJECT OVERVIEW**

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

**SSE EVENT#:** 0000366951

**OPENING/DUE DATE:** 11/18/21

**TYPE OF SOLICITATION:** RFP

**DOCUMENT AVAILABILITY DATE:** 10/15/21

**SOLICITATION TITLE:** 160458: General Engineering Consultant Services for the Replacement of Motor-Alternator Set & Associated Switchgears in Signal Substation S-34 at Croton-Harmon.

### DESCRIPTION

MTA Construction & Development (MTA C&D) is seeking to retain the services of a General Engineering Consultant (the "Consultant" or "GEC") to provide biddable design documents to MTA C&D for the replacement of the existing motor-alternator ("MA") set located in the Metro-North Railroad Signal Substation (S-34) at the Croton-Harmon location.. Based on Metro-North design guidelines, the GEC shall develop a complete set of designs and specifications for the replacement of the electric MA set, including control circuitry, transformers, and associated electric switchgear. Services to be provided shall include but are not limited to: project management, existing conditions survey, geotechnical survey, cost estimating, preparing design documents, answering Request for Information (RFI), reviewing contractor value engineering proposals and "as-built" submittals. The GEC services shall be performed under the general direction of the MTA C&D Project Chief Executive Officer.

**FOR ADDITIONAL INFORMATION, PLEASE SEE ATTACHMENTS.**

Funding: 100% FTA      DBE Goals: 22.5%      Est. \$ Range: \$1M – 5M      Contract Term: 51 Months

**(X) PRE-BID CONFERENCE LOCATION:**  
Virtual – Microsoft Teams

**DATE:** 10/27/21

**TIME:** 10:00AM

**( ) SITE TOUR LOCATION(s):**

**DATE:**

**TIME:**

**FOR MORE INFORMATION, PLEASE CONTACT:**

**PROCUREMENT REPRESENTATIVE:** Erick Ramos

**EMAIL:** [erick.ramos@mtacd.org](mailto:erick.ramos@mtacd.org)

### 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.MYDNN.COM](http://WWW.MYDNN.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\*\*\*\*\*

## MTA Construction & Development

### Notice

**160458  
SSE # 0000366951**

### **General Engineering Consultant Services for the Replacement of Motor-Alternator Set & Associated Switchgears in Signal Substation S-34 at Croton-Harmon**

MTA Construction & Development (MTA C&D) is seeking to retain the services of a General Engineering Consultant (the “Consultant” or “GEC”) to provide biddable design documents to MTA C&D for the replacement of the existing motor-alternator (“MA”) set located in the Metro-North Railroad Signal Substation (S-34) at the Croton-Harmon location.. Based on Metro-North design guidelines, the GEC shall develop a complete set of designs and specifications for the replacement of the electric MA set, including control circuitry, transformers, and associated electric switchgear. Services to be provided shall include but are not limited to: project management, existing conditions survey, geotechnical survey, cost estimating, preparing design documents, answering Request for Information (RFI), reviewing contractor value engineering proposals and “as-built” submittals. The GEC services shall be performed under the general direction of the MTA C&D Project Chief Executive Officer

The Contract duration is 51 months (15 months for design activities and 36 for Construction Support Services).

The DBE goal for this Contract has been established at 22.5%.

The RFP document will aid you in preparing the written Technical and Cost Proposals. Proposals shall be evaluated by MTA C&D personnel in accordance with the specific evaluation criteria set forth in the RFP. The Selection Committee will select the most qualified, experienced and financially stable firms.

A Pre-Proposal Conference is scheduled for Wednesday, October 27, 2021 at 10:00 AM via Microsoft Teams. List of attendees to be emailed to the Contracting Officer by Monday, October 25, 2021.

Consultants must respond by submitting separate Technical and Cost Proposals as detailed above, referencing **SSE # 0000366951 / 160458 – General Engineering Consultant Services for the Replacement of Motor-Alternator Set & Associated Switchgears in Signal Substation S-34**, and shall be submitted by **2:00PM on Monday, November 18, 2021**.

Additional information pertaining to this advertisement, include the Scope of Work is available on MTA-C&D’s Procurement website at <https://new.mta.info/doing-business-with-us/procurement/construction-and-development>

## **Short Scope of Work**

MTA Construction & Development (MTA C&D) is seeking to retain the services of a General Engineering Consultant (the “Consultant” or “GEC”) to provide biddable design documents to MTA C&D for the replacement of the existing motor-alternator (“MA”) set located in the Metro-North Railroad Signal Substation (S-34) at the Croton-Harmon location. Based on Metro-North design guidelines, the GEC shall develop a complete set of designs and specifications for the replacement of the electric MA set, including control circuitry, transformers, and associated electric switchgear. The services required included, but are not limited to the following:

### **Task 1 – Information Gathering and Data Collection**

The Consultant shall perform a full site survey of the Croton-Harmon S-34 Signal Substation site including review of existing conditions.

### **Task 2 – Preparation of Preliminary Designs**

The Consultant shall then develop the Preliminary Design (30%) documents. The Preliminary Design submittal shall include drawings, specifications, and cost estimates for the replacement of both electric motor-alternators at Croton-Harmon, along with the medium & low voltage switchgear & transformers.

### **Task 3 – Performance of Detailed Designs**

Utilizing the information gathered in Task 2, the Consultant shall develop a complete set of contract documents including detailed drawings, construction specifications, and cost estimates.

### **Task 4 – Design Submittals**

Submittals required from the Consultant include, but are not limited to, the following:

- 30% design plans, specifications, & construction cost estimate
- 60% design plans, specifications & construction schedule
- 90% pre-final plans, specifications & construction schedule
- Final (100%) design plans, specifications, construction cost estimate & construction schedule to formulate biddable documents as described below

### **Task 5 – Construction Support Services**

This task shall consist of the performance of support services during the bidding and construction phases of the entire project.

### **Task 6 – Staging & Rigging**

**[Staging]:** While the existing MA set and associated switchgear are being replaced with a new MA Set, a Mobile Signal Substation (Portable MA Set), with associated controls and switchgear, shall be provided by Metro-North to maintain continuous 100 Hz power to the signal lines. The Mobile Signal Substation is comprised of two (2) 40ft x13ft trailers on wheels with walk-in enclosures. Once delivered,

each trailer will have a stair platform arrangement installed for access to each trailer (approximately 4 ft. in width). Based on a recent site survey, it was determined that there is limited space regarding the staging of this equipment. Therefore, the Consultant shall determine if the temporary relocation of existing equipment is necessary to make space to accommodate the two (2) 40ft.x13ft. Mobile Signal Substation trailers within Metro-North property based on the above-mentioned survey task. The Contractor shall have the responsibility of delivering the mobile signal substation trailers to the project site and maneuvering them into place to their intended configuration for electrical hook-up. At the end of the project, the Contractor shall also have the responsibility of removing the mobile signal substation trailers and transporting them to a pre-determined Metro-North location. The plan is for the mobile substation trailers to be transported/towed in a tractor-trailer configuration using local roads and Metro-North's access road to access the S-34 site. The same procedure shall be used for removing the mobile signal substation trailers and transporting them to another Metro-North location. The Consultant shall be responsible for surveying the local road route(s) to the site to determine if transporting the trailers over the road is feasible. If the local roads are determined to be too narrow for the shipment of the two trailers, an alternative option would be to transport them by rail (Flat Cars) to the site.

**[Rigging]:** Metro-North will provide the rigging pathway via Metro-North property by using the existing access road to the worksite based on confirmation that all dimensions are clear to facilitate the use of a lifting apparatus (boom truck, etc.). The Consultant shall be responsible for confirming that all dimensions are clear to facilitate the use of a lifting apparatus (boom truck, etc.) at the worksite.