

DATE: 07/09//2021

CONTRACT SOLICITATION NOTICE/PROJECT OVERVIEW

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

SSE EVENT#: 00000359178

OPENING/DUE DATE: 08/02/2021

TYPE OF SOLICITATION: RFP

DOCUMENT AVAILABILITY DATE: 07/09/2021

SOLICITATION TITLE: 131618 Design Build Services for Moodna Viaduct Timber Bridge Ties Replacement

DESCRIPTION: The Metropolitan Transportation Authority ("MTA"), by and through its agent the MTA Construction & Development Company ("MTA C&D"), both of which are public benefit corporations existing by virtue of Article 5, Title 11 of the Public Authorities Law, will be issuing a Request for Quote ("RFQ") seeking entities interested in the design and replacement of timber ties on the Moodna Viaduct. Design and Replacement of the timber bridge ties atop the Moodna Viaduct (JS 55.03) on Metro-North's Port Jervis Line in Orange County, New York. The Moodna Viaduct is a 3,201 feet long steel railroad trestle viaduct located in Salisbury Mills and Cornwall NY. It is anticipated that this contract will be funded in whole or in part by Federal grants.

Funding: 100% Capital. Goals: 22.5% DBE Est \$ Range: \$5M-\$10M

FOR ADDITIONAL INFORMATION, PLEASE SEE ATTACHMENTS

() PRE-BID CONFERENCE LOCATION:

DATE:

TIME:

(X) SITE TOUR LOCATION(s):

DATE: 07/14/2021

TIME: 9:00AM

1600 State Highway 94, Salisbury Mills, NY 12553

FOR MORE INFORMATION, PLEASE CONTACT:

PROCUREMENT REPRESENTATIVE: Jayesh Mehta

EMAIL: jmehta@mnr.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.MYDNC.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 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*****

PROJECT OVERVIEW

The purpose for this project, “Moodna Viaduct Timber Bridge Ties Replacement” is to replace the timber bridge ties atop the Moodna Viaduct (JS 55.03) on Metro-North’s Port Jervis Line in Orange County, New York. The Moodna Viaduct is a 3,201 feet long steel railroad trestle viaduct located in Salisbury Mills and Cornwall NY. This will be a Design-Build project with a duration of 24 months.

The Design Builder shall perform the following tasks including, but not limited to:

- Perform site survey to obtain all data necessary to produce detailed tie dapping plans.
- Develop timber dapping plans
- Develop and implement MPT plans for roadways crossing underneath the viaduct
- Procure and replace timber bridge ties according to MNR specifications
- Cut and set aside existing rail
- Remove existing timber ties and dispose according to MNR Specifications
- Install replacement timber ties, block spacers, steel strips, hook bolts or tie anchorages, rail fasteners, rail, and any other accessories required to restore the railroad back into service
- Maintain rail neutral temperature in Continuous Welded Rail across the viaduct as per MNR manual MW4
- Protect areas under the viaduct from falling hazards and from trespassers and brush fires

**GENERAL REQUIREMENTS - SECTION 01 10 00
SUMMARY OF WORK**

PART 1. GENERAL

1.01. SUMMARY

- A. The purpose for this project, “Moodna Viaduct Timber Bridge Ties Replacement” is to replace the timber bridge ties at Moodna Viaduct (JS 55.03) on the Port Jervis Line.
- B. This will be a Design-Build project with a duration of 24 months. The third-party contractor will be responsible for final design, survey, fabrication and installation.
- C. The details and locations of the Work are indicated more particularly on the Conceptual Design Documents and the Project Design Criteria. Refer to Section 01 14 00 (Work Restrictions) for the requirements and restrictions regarding the Design-Builder’s access to work sites, material storage and staging areas.

1.02. CONTRACT DESCRIPTION

Moodna Viaduct (JS 55.03) Timber Bridge Ties Replacement

- A. The Moodna Viaduct is a 3,200 feet long steel railroad trestle viaduct located in Salisbury Mills and Cornwall NY. It spans over Moodna Creek, Orrs Mills Road, Otterkill Road, and the surrounding valley. The viaduct is 195’ tall at its highest point and consists of 53 open-deck alternating long and short spans that are 80 and 40 feet long, respectively. The viaduct carries a single track with open grating walkways on both sides.
- B. Bridge timber ties on the Moodna Viaduct have deteriorated over the years and are now in need of a full replacement. The base contract for this project will replace the timbers from Spans 8 through Span 53. The contractor shall assume "Work by Others" timber ties replacement from Metro-North and start the replacement at the eastern end of the Viaduct.

1.03. WORK COVERED BY CONTRACT DOCUMENTS

- A. The work to be performed is shown on the Contract Documents (Drawings, Technical Specifications, and RFP). The work to be performed shall not be limited to the exact extent mentioned or described but shall include all incidental work necessary or customarily done for its completion. The Contractor shall furnish labor, supervision, services, material, equipment, plant machinery, apparatus, appliances, tools, supplies, and other incidental items necessary to complete each item of work as specified in the Contract Drawings and Specifications.
- B. The contractor shall perform the following tasks including, but not limited to:
 - 1. Perform site survey to obtain all data necessary to produce detailed tie dapping plans.
 - 2. Develop timber dapping plans and MPT requirements

General Requirements - Section 01 1000 – Summary of Work

3. Procure and replace timber bridge ties according to MNR specifications
4. Cut and set aside existing rail
5. Remove existing timber ties and dispose according to MNR Specifications
6. Install timber ties, block spacers, steel strip, hook bolts or tie anchorages, rail fasteners, rail, and any other accessories required to bring the railroad back into service
7. Maintain neutral temperature in Continuous Welded Rail territory as per MNR MW4.
8. Protect areas under the viaduct from falling hazards, trespassers, and brush fires

1.04. WORK BY OTHERS

A. Metro-North will:

1. Provide protection personnel (conductor-flagmen and hi-rail pilot)
2. Provide bussing
3. Inspect the work before the track is returned to service

B. Sequence of Work:

1. Work shall be performed and completed in accordance with the “Contract Terms and Conditions”.

1.05. APPLICABLE CODES & STANDARDS

- A. Metro-North Railroad MW-4 CWR
- B. Metro-North Railroad MW-4: CWR Procedures and Track Buckling Prevention
- C. Metro-North Bridge Ties Technical Specification
- D. Metro-North Engineered Composite Crossties and Tie Blocks
- E. AREMA 2020
- F. Section 01 14 00 Work Affecting the Railroad

1.06. WORK RESTRICTIONS

- A. The duration for this contract will be 24 months.
- B. The contractor will have a maximum of 8 weekend track outages per year with a total of 16 track outages for the duration of the project

PART 2. PRODUCTS

2.01. GENERAL:

- A. Except as otherwise indicated materials, products, and equipment furnished or provided shall be new, of current design, and produced by a manufacturer regularly engaged in

the production of such materials, products, and equipment. Materials, products, and equipment of like description shall be products of the same manufacturer.

PART 3. EXECUTION

3.01. RAILROAD FURNISHED DRAWINGS AND DOCUMENTS:

- A. The following shall be furnished to the Contractor:
 - 1. One (1) set of Contract Documents.
 - 2. One (1) set of CAD contract drawings.
 - 3. One (1) copy of the Railroad's written Safety Rules.
- B. The Contractor shall report to the Engineer any deviation of the actual conditions from those depicted by the drawings. Should any deviation be found, MNR shall review the Contractor recommended corrective actions to be taken.
- C. Consideration shall be given to the Contractor for requests to change or modify any work shown on the plans in order to safely and economically erect the structure. Any changes or modifications shall be subject to the approval of the designer and the entire cost of these changes shall be borne solely by the Contractor.

PART 4. MEASUREMENT AND PAYMENT

4.01. MEASUREMENT

- A. No measurement will be made for this work.

4.02. PAYMENT

- A. No separate payment will be made for the work described in this specification. See Section 01 20 00 for bid items pertaining to this section.

END OF SECTION 01 11 00