

**DATE: 6/22/23**

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

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

**SSE EVENT#:** 0000438695

**OPENING/DUE DATE:** 8/3/23

**TYPE OF SOLICITATION:** RFP

**DOCUMENT AVAILABILITY DATE:** 6/29/23

### **SOLICITATION TITLE: 187450 Design Build Services for the Radio System Upgrades - Phase 1**

**DESCRIPTION:** The Metro-North Railroad (MNR) Dispatch Radio Console System Replacement project consists of designing, furnishing, installing, configuring, and testing a new redundant dispatch console system for existing analog phone lines, IP phone lines, and analog simplex radio communications at locations throughout MNR's territory over several carefully planned phased cutovers to maintain existing operations. In addition, the project includes mechanical and electrical room renovations at a communications room located at Grand Central Terminal to make the space more suitable for radio communications equipment. The purpose of the project is to upgrade the dispatch console system's hardware and software of the rail traffic controllers operating the radio system in two control center locations with over 100 console workstations combined and to connect analog field radios to IP network switches via IP gateways with minimal downtime. MNR's current system connects over 200 fixed analog phone lines, IP phone lines, and analog radio communication lines throughout its New York and Connecticut East-of-Hudson territory at approximately 80 locations (Manhattan, the Bronx, Westchester County, Putnam County, Dutchess County, Fairfield County, and New Haven County). The system also connects over 700 mobile train radios and 3,000 portable radios. This project will provide for improved reliability and maintainability using the existing equipment locations. Due to the nature of the communications, the system requires high availability and reliability.

Funding: 100% MTA      Goals: MBE 15%, WBE 15%, SDVOB: 6%      Est \$ Range: \$10M - \$50M      Contract Term: 36 Months

**\*\*\* PLEASE SEE THE ATTACHED SCOPE OF WORK FOR ADDITIONAL INFORMATION \*\*\***

**(X) PRE-BID CONFERENCE LOCATION:**  
Virtual Microsoft Teams  
[ Reservations should be made for the Pre-Proposal Conference by emailing [jayesh.mehta@mtacd.org](mailto:jayesh.mehta@mtacd.org)]

**DATE:** 7/17/23

**TIME:** 10:00AM

**( ) SITE TOUR LOCATION:**

**DATE:**

**TIME:**

**FOR MORE INFORMATION, PLEASE CONTACT:**

**PROCUREMENT REPRESENTATIVE:** Jayesh Mehta

**EMAIL:** [jayesh.mehta@mtacd.org](mailto:jayesh.mehta@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.MYDNC.COM](http://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](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\*\*\*\*\*

## **Project Scope**

The Metro-North Railroad (MNR) Dispatch Radio Console System Replacement project consists of designing, furnishing, installing, configuring, and testing a new redundant dispatch console system for existing analog phone lines, IP phone lines, and analog simplex radio communications at locations throughout MNR's territory over several carefully planned phased cutovers to maintain existing operations. In addition, the project includes mechanical and electrical room renovations at a communications room located at Grand Central Terminal to make the space more suitable for radio communications equipment.

The purpose of the project is to upgrade the dispatch console system's hardware and software of the rail traffic controllers operating the radio system in two control center locations with over 100 console workstations combined and to connect analog field radios to IP network switches via IP gateways with minimal downtime. MNR's current system connects over 200 fixed analog phone lines, IP phone lines, and analog radio communication lines throughout its New York and Connecticut East-of-Hudson territory at approximately 80 locations (Manhattan, the Bronx, Westchester County, Putnam County, Dutchess County, Fairfield County, and New Haven County). The system also connects over 700 mobile train radios and 3,000 portable radios. This project will provide for improved reliability and maintainability using the existing equipment locations. Due to the nature of the communications, the system requires high availability and reliability.

The installation work includes minor fiber optic cable and standardized twisted pair copper cable installation and termination, as well as network switch configuration to connect to MNR's existing DWDM backbone network, control center equipment rooms and control centers. The communications room renovation installation work includes replacement of HVAC equipment, addition of motorized dampers, removal of sprinkler piping, installation of a dry agent fire suppression system, installation of a purge system, replacement of electrical panels, lighting, and wiring, and replacement of a dropped ceiling with suspension system, grid, and acoustical ceiling tiles.

Bidders shall demonstrate experience with dispatch console system hardware and software; analog phone lines, IP phones, and analog radio communication lines; alternate current (AC) and direct current (DC) power systems, IP networks and network equipment, as well as installation experience. Bidders shall also demonstrate experience with mechanical and electrical improvements for communications rooms.

The successful bidder will need to coordinate closely with MNR and other entities on other ongoing projects, access to locations, and performance of the work.