

**THE METROPOLITAN TRANSPORTATION AUTHORITY  
ACTING BY THE  
MTA CONSTRUCTION AND DEVELOPMENT**



**RFI-0000397121**

**Request for Information for**

**Modernization of Signaling Requirements**



## Construction & Development

May 20, 2022

Subject: RFI-0000397121 – Modernization of Signaling Requirements

Dear Interested Parties:

The MTA Construction and Development Company (“MTA C&D”) is issuing the enclosed Request for Information (“RFI”) for proposed solutions for modernizing New York City Transit Authority’s S733 Signal Standard Specification.

I am MTA C&D’s designated Point of Contact for this RFI. Please direct all communications related to this RFI, including all responses, to me by email at [fabrizio.raho@mtacd.org](mailto:fabrizio.raho@mtacd.org). Please submit all responses on or before June 13, 2022.

Thank you for your participation.

Sincerely,

Fabrizio Raho  
Contracts Supervisor  
(646) 252-6039

## 1 INTRODUCTION

The purpose of this RFI is to elicit proposed solutions for updating the existing New York City Transit S733 Signal Standard (Typical Signal Circuits) Specification (the "S733 Standard") for simplified application for Communication Based Train Control ("CBTC").

Currently, the S733 Standard treats CBTC as an overlay of the Auxiliary Wayside System ("AWS") which is required to interface with the existing wayside signaling equipment. As a result, the MTA must incorporate significant AWS work in its CBTC deployment contracts. Through this RFI, the MTA is seeking proposed solutions for updating the S733 Standard to provide for a more modern system design approach that will eliminate or significantly reduce AWS related work in future CBTC deployment contracts.

This RFI is issued exclusively to elicit information. It is not a Request for Proposal ("RFP") or any promise that an RFP will be issued to a Respondent in the future. This RFI does not commit MTA C&D to contract for any material or services and MTA C&D will not pay for any information or any costs incurred in responding to this RFI. MTA C&D shall have the right to use any information submitted in response to this RFI without obligation or compensation.

## 2 REQUESTS FOR INFORMATION

1. Please propose conceptual revisions to the S733 Standard that will provide for a more modern system design approach eliminating or significantly reducing AWS related work in future CBTC deployment contracts.

Along with the proposed conceptual revision, please provide:

- a) A statement as to whether Respondent has the capacity and resources to produce a new set of signaling requirements.
  - b) A description of the proposed process to develop and validate a new set of signaling requirements.
2. If the Respondent is unable to propose and/or implement the conceptual revisions requested in (1) above, please propose an alternative approach for simplifying the S733 Standard that includes:
    - 1) A set of functional requirements to be included in S733 to support CBTC operations both in nominal and degraded modes.
    - 2) Revisions to S733 that would enable any CBTC supplier to implement its requirements into its CBTC system design.

3 FURTHER INSTRUCTIONS TO RESPONDENTS

1. A copy of the S733 Standard is available upon request subject to execution of a non-disclosure agreement.
2. Questions related to this RFI should be submitted to the Contracts Representative.