

DATE: 04/10/2026

CONTRACT SOLICITATION NOTICE/PROJECT OVERVIEW

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

SSE EVENT: 0000546220

OPENING/DUE DATE: 05/15/2026

TYPE OF SOLICITATION: RFP

DOCUMENT AVAILABILITY DATE: 04/10/2026

SOLICITATION TITLE: Design-Build Services for Track Intrusion Detection Systems (TIDS) at Two Stations

DESCRIPTION: The Metropolitan Transportation Authority (“MTA”), by and through the MTA Construction and Development Company (“MTA C&D”), will be issuing a two-step Request for Proposals (“RFP”), in order to identify and engage a qualified Design-Builder to provide design-build services to design, furnish, demonstrate and test a Track Intrusion Detection System (TIDS) prototype at two (2) NYCT stations. Respondents that are selected in the first step of the solicitation, the Request for Qualification (“RFQ”) process, will be eligible to participate in the upcoming second step, the Request for Proposal (“RFP”) process.

It is anticipated that the Contract will **not** be Federally funded.

Funding: 100% MTA Goals: TBD

Est \$ Range: \$10M - 50M Contract Term: 730 Calendar Days

(x) PRE-BID CONFERENCE LOCATION:

DATE: 4/23/2026

TIME: 10:00 AM

Virtual via Microsoft Teams- Please contact the assigned procurement representative at lisa.rigatti@mtacd.org to register. Please email your list of attendees to lisa.rigatti@mtacd.org and a meeting request will be forwarded.

() SITE TOUR LOCATION:

DATE:

TIME:

FOR MORE INFORMATION, PLEASE CONTACT:

PROCUREMENT REPRESENTATIVE: Lisa Rigatti

EMAIL: lisa.rigatti@mtacd.org

REQUIREMENTS TO PARTICIPATE

SYSTEM FOR AWARD MANAGEMENT (SAM): VENDORS ARE 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/VENDOR, TO REGISTER AS A BIDDER*******

**Contract No. E32521
Project Overview**

1. Introduction to the Project

Metropolitan Transportation Authority (MTA) is seeking a Design-Builder to design, furnish, demonstrate and test a Track Intrusion Detection System (TIDS) prototype that will serve as a technology development platform to advance the TIDS toward a system capable of deployment across the MTA subway system. The purpose of the project is to demonstrate the feasibility, performance, and reliability of an artificial intelligence–supported approach to right-of-way intrusion detection and awareness.

2. Description of the Work

- a. The Design-Builder will be required to design, furnish, and demonstrate the TIDS performance in a lab environment, and then install and test the TIDS in a live environment.
- b. The TIDS shall be capable of the following:
 - i. detecting when a person, object, or animal enters or is about to enter the subway right-of-way (“ROW”), and recognizing conditions of such entry, including accidental falls, intentional track entry, dropped objects, and unusual crowd movements near the platform edge;
 - ii. detecting pre-intrusion behaviors under low and high passenger density on the station platforms, such as persons leaning into the ROW and erratic movements, overcrowding or sudden displacement of people on the platform;
 - iii. generating a timely and appropriate response to the intrusion and pre-intrusion events based on classifications of events, including issuing to the specified user groups alerts with contextual information, providing verifications and acknowledgements of alerts, and escalating, downgrading and/or clearing the alerts;
 - iv. generating still images and video of detected intrusions and pre-intrusion events, and alerts for train operators, station staff, and control center personnel;
 - v. being monitored and controlled remotely from workstations with a Graphical User Interface;
 - vi. self-assessing its performance, and learning and improving its performance based on the user inputs provided in response to prior detected events;
 - vii. maintaining detection, alert, and recording functionalities at the station level in the event that the TIDS equipment at the station becomes disconnected from the system’s headend, or the headend operation is otherwise interrupted;
 - viii. being able to operate reliably in a range of environmental conditions including heat, humidity, dust, wind, vibration, water, electromagnetic interference and variable lighting; and
 - ix. interfacing with specific data sources, including MTA’s real-time train positioning information.
- c. The Design-Builder shall develop and initially demonstrate the TIDS in a controlled laboratory environment to validate system architecture, detection capabilities, and response functionality.
- d. Following successful laboratory demonstration, the TIDS shall be installed at two stations within the MTA subway system - an underground station and an elevated platform station - and subjected to controlled field testing to evaluate performance under real-world conditions.
- e. At the conclusion of the Project, the Design-Builder shall remove the TIDS equipment installed within the right-of-way and provide MTA with the following: (i) Project-specific deliverables associated with the design, development, testing, and operation of the TIDS prototype; and (ii) general technical documentation and specifications suitable for reuse by the MTA in future third-party solicitations for expansion of TIDS within the MTA system.

3. Procurement Process

The procurement process for the Contract consists of two steps: (i) the Request for Qualifications and (ii) the Request for Proposals, as described in further detail below:

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- a. This Step 1, the RFQ, invites interested teams (each, a “Respondent”) to submit SOQs that detail, among other things, their qualifications, capability, capacity, and experience to perform the Work.
- b. MTA C&D will evaluate all SOQs received in accordance with the criteria set out in this RFQ. Based on its evaluation, MTA C&D will select up to four (4) 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”).
- c. 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, design, technical approach, and other qualitative factors will also be considered. Schedule will be a major determinative element in awarding the Contract.
- d. The RFP will provide specific instructions on the submission requirements and the evaluation factors for the Proposals.
- e. 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.
- f. 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 Contract.

All SOQs shall be submitted electronically to MTA C&D by the SOQ Due Date set forth in Section 1.5 of the RFQ in accordance with the instructions for electronic submittals set forth in Section 10.3.D of the RFQ.

4. RFQ Availability

The RFQ documents will be made available to all prospective Respondents on or about April 10, 2026. In order to obtain the RFQ documents, **prospective Respondents need to complete and submit the Contract Document Order Form to SolicitationDocs@mtacd.org**. After the order form is processed, prospective Respondents will be notified and instructed to log in the MTA Vendor Portal, www.mymta.info/vendor and download the RFQ documents.

IMPORTANT:

1. **Vendors’ contact information must be updated in the Supplier Portal in order to receive notifications regarding this solicitation.**
2. **New Vendors must first complete the registration process in order to obtain the RFQ documents. To register log in the MTA Vendor Portal at www.mymta.info/vendor, select Vendor Sign-in & Registration, select New Bidder Registration, and then follow the on-screen instructions.**

5. Evaluation of SOQs

As described in more detail in the RFQ, SOQs will be evaluated to establish a shortlist of qualified Respondents.

- a. **Threshold Evaluation Criteria**
MTA C&D will evaluate each SOQ based on the following pass/fail criteria:
 - i. **Completeness:** The SOQ conforms to the RFQ requirements and includes all materials required by the RFQ.
 - ii. **Timeliness:** The SOQ was submitted on or before the SOQ Due Date and time.

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- iii. **Capacity:** The Respondent has presented evidence that its organization has the legal capacity to enter into and perform the Contract, to design and build the Contract and to comply with New York licensing requirements.
- iv. **Responsibility:** Neither the Respondent nor any Major Participant is currently disqualified, removed, debarred, or suspended from performing or bidding on work for the United States government, any state or territory of the United States, or any New York local government; and demonstrates responsibility based on any publicly available reports and filings, reference checks as applicable, and company or court records or other internal MTA documents that are available to MTA C&D.
- v. **Financial Capability:** Respondent has demonstrated financial strength sufficient to complete the Contract and has provided a letter from an eligible Surety to satisfy the financial requirements set forth in Section 10.9 of the RFQ.

b. Substantive Evaluation Criteria.

Each SOQ passing the Threshold Evaluation will undergo a Substantive Evaluation. The Substantive Evaluation will be conducted using the evaluation criteria listed below in descending order of importance.

- i. **Team, Personnel and Organization:** The demonstrated qualifications and experience of the proposed Personnel, the experience of the proposed management team, including the ability to manage all aspects of the Contract and successfully integrate the various Major Participants; and organizational capacity to ensure sufficient staffing to perform the design and construction work. Additionally, the Respondent will be evaluated on the benefits of any value-added positions and the strength of the individuals proposed for those positions.
- ii. **Project Approach:** The extent to which a Respondent demonstrates an understanding of, and approach to, the development, design, and construction of the Contract including unique issues, specific risks, and any AI/ML challenges associated with the Contract.
- iii. **Prior Design-Build Experience:** The extent and depth of each Major Participant's experience with comparable projects involving systems integration, AI/ML development and deployment, and complex operational environments.
- iv. **Past Performance:** Demonstrated record of performance of all Major Participants including: quality of work product; good standing and adequate progression of work; claims history including number of claims submitted that were ultimately disallowed or significantly reduced, number of disputes submitted to formal dispute resolution and disposition of such actions, claims brought against the firm under the False Claims Act; record of terminations for cause and defaults; disciplinary action, including suspension; safety record; client references; and awards, citations and commendations.

6. Experience and Performance of Respondent Teams

a. Objectives:

- i. To identify the best responsible Respondent team, comprised of design and construction firms, available with demonstrated experience, expertise, capacity, and record of producing quality work on projects similar in nature to the Project.
- ii. To identify Respondents that include a Lead Contractor and Designer with:
 - 1. project experience involving system integration of Artificial Intelligence/Machine Learning (AI/ML) analytics and surveillance in a multimodal environment with a preference for transit systems or comparably complex operational environments;
 - 2. technical experience in intrusion detection systems, predictive analysis of human behaviors, advanced video surveillance platforms, real-time data processing, and/or integrated sensor networks;

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3. experience, individually and collectively, in successfully managing, designing and delivering projects of the size, type, and/or complexity as reflected in the scope of Work and anticipated for the Project;
4. technical and management experience and expertise to plan, organize and execute the design and construction and assure the quality and safety of the Work;
5. organizational capacity to perform the Work; and
6. qualified Personnel identified in accordance with Section 10.10 of the RFQ.

7. General Limitations on Respondent Team Membership

- a. Subject to Section 9 herein, and in addition to any other restriction or qualification on Respondent team membership and on the inclusion of Major Participants and Personnel:
 - iii. no Major Participant, including its affiliates, may participate on more than one (1) Respondent;
 - iv. non-Major Participant Subcontractors and their Affiliates may participate on more than one (1) respondent team, subject to compliance with Section 5.3 of the RFQ, this Section 8, and Section 10 herein;
 - v. no firm that employs one or more of the individuals named as Personnel on one Respondent team may serve any role on another Respondent team; and
 - vi. no individuals serving a 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 6.2 from participation 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.

8. Proposed Engagements with Duplicate Major Participants

Each Respondent shall identify and propose a single entity for each Major Participant in its SOQ, for which purposes a Joint Venture will be considered to be a single entity.

9. Limitations on Exclusivity

- a. A. Non-Major Participants, Subcontractors, and other Persons which are not prohibited from participating on more than one (1) Respondent team under Section 8 herein, 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:
 - i. Respondents may not team with or engage an entity if such teaming is conditioned on that entity or its Affiliates being on a Respondent's team on an exclusive basis.
 - ii. Any otherwise permitted engagement of a Person 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 Contract between or among Respondent teams.
- b. 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 in accordance with Paragraph 9.2 of the RFQ. 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 the Contract; 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



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or the equivalent terms of the RFP. In addition, Shortlisted Respondents and Proposers will be entitled, 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.