MTA Construction & Development

DATE: 06/03/2022

CONTRACT SOLICITATION NOTICE/PROJECT OVERVIEW

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

SSE EVENT#: 0000398451	**OPENING/DUE DATE: 07/08/2022**
TYPE OF SOLICITATION: RFP	**DOCUMENT AVAILABILITY DATE: 06/03/2022**

SOLICITATION TITLE: C52146 Design-Build Services for LIDS Installation for Under River Tubes Phase 3

DESCRIPTION: The Metropolitan Transportation Authority ("MTA"), by and through the MTA Construction & Development Company ("MTA C&D"), seeks to identify and engage a qualified Design-Builder to perform the design and construction Work under the terms of Contract C-52146, which includes three (3) main elements; A) Installation of LIDS and removal and replacement of CCTV; B) upgrade and partial relocation of Access Control Panels and Fiber Distribution Panels, and integration and commissioning of all equipment into the physical security information management system (PSIM).

Funding: 100% MTA Goals: 13% MBE; 13% WBE Est $ Range: $50M -$100M Contract Term: 56 Months

*****PLEASE SEE THE ATTACHED PROJECT OVERVIEW FOR ADDITIONAL INFORMATION*****

(X) PRE-BID CONFERENCE LOCATION:	**DATE:** 06/17/2022	**TIME:** 10:00AM
Virtual Via Microsoft Teams-Please contact the Procurement Representative at ryan.kelly@mtacd.org to register		
( ) SITE TOUR LOCATION:	**DATE:**	**TIME:**

FOR MORE INFORMATION, PLEASE CONTACT:

PROCUREMENT REPRESENTATIVE: Ryan Kelly **EMAIL:** ryan.kellyi@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, TO REGISTER AS A BIDDER*******

PROJECT OF OVERVIEW

1. Background Information

The purpose of this Project is to expand laser intrusion detection system (LIDS) coverage within the NYCT System, replacing existing sensors with an improved security and detection system as well as an upgrade in visual monitoring capacity within Project locations. The Project will also address security and accessibility issues with existing access control panels and fiber distribution panels to allow MTA to access, maintain, and monitor systems safely and with minimal impact to transit services.

2. Project Scope of Work

This Project has three (3) main elements; A) Installation of LIDS and removal and replacement of CCTV; B) upgrade and partial relocation of Access Control Panels and Fiber Distribution Panels, and C) integration and commissioning of all equipment into the physical security information management system (PSIM).

A. Installation of LIDS and removal/replacement of CCTV: Design Builder will install a laser intrusion detection system (LIDS) in thirteen (13) tubes – both at tube entrances and emergency exit shafts (see Table 1, below, for locations). In addition to meeting technical requirements, the preferred design of the LIDS will have low maintenance (both routine and corrective) and allow safe access by maintainers with minimal or no impact to transit service.

Table 1 – List of Under-river Tubes

#	Tube Name
1	60th Street Tube
2	Montague Street Tube
3	14th Street (Canarsie) Tube
4	Cranberry Street Tube
5	Harlem-Concourse Tube
6	Rutgers Street Tube
7	53rd Street Tube
8	Jackson Avenue
9	Clark Street Tube
10	Lexington Ave Tube
11	Joralemon Street Tube
12	149th Street Tube
13	Steinway Tube

Part of the LIDS scope of work will also include removal of existing sensors within the emergency access areas that presently serve as intrusion detection. Design-Builder will also be replacing approximately two hundred forty (240) analog cameras and mountings and replacing them with

approximately one hundred fifty (150) digital IP-based cameras. Installation of conduits and associated hardware for power and communications, fiber optic and ethernet cabling will also be required.

B. Upgrade and relocation of Access Control Panels and Fiber Distribution Panels : Access Control Panels house computer boards and subsystems that control card readers, LIDS, intercoms, and cameras. Fiber Distribution Panels house all fiber cabling to allow for a single point of contact for maintenance. Both types of panels are located within twenty-eight (28) stations (see Table 2 for list).

Table 2 – List of Stations

	Line	Station
1	BMT N,R,W	Lexington Avenue – 59th Street
2	BMT N,R,W	Whitehall
3	BMT N,R,W	Court Street
4	BMT N,R,W	Broad Street
5	BMT Canarsie L	14th Street – 1st Avenue
6	BMT Canarsie L	Bedford Avenue
7	IND-8th A,C	Fulton Street
8	IND-8th A,C	High Street
9	IND B,D	16th Street
10	IND B,D	155th Street
11	IND-6th F	East Broadway
12	IND-6th F	York Street
13	IND Queens Blvd E,M	23rd St- Ely Avenue
14	IND Queens Blvd E,M	Lexington Avenue – 53 Street
15	IND Crosstown, G	21 Street Van Alst Avenue
16	IND Crosstown, G	Greenpoint Avenue
17	IRT Bwy 2,3	Wall Street
18	IRT Bwy 2,3	Clark Street
19	IRT Lex 4,5	3rd Avenue – 138 Street
20	IRT Lex 4,5	138 Street Grand Concourse

21	IRT Lex 4,5	125th Street
22	IRT Lex 4,5	Bowling Green
23	IRT Lex 4,5	Borough Hall
24	IRT White Plains, 2	149 Street Grand Concourse
25	IRT White Plains, 2	145th Street
26	IRT White Plains, 2	135 Street
27	IRT Flushing 7	Vernon-Jackson
28	IRT Flushing 7	Grand Concourse

The existing Access Control Panels are considered difficult to maintain and lack sufficient security features. Design-Builder will redesign the Access Control Panels with tamper-resistant security functions and a preferred design will have low maintenance (both routine and corrective) requirements. Existing Fiber Distribution Panels will also be replaced with panels that have the same or upgraded capacity. Design-Builder may also propose a combined Access Control/Fiber Distribution Panel solution in place of two (2) separate panels.

This portion of the Work will also require Design-Builder to relocate some of the Access Control and Fiber Distribution Panels that are difficult to access due to their location along the right of way. The goal of relocation is to allow MTA employees safe access to these panels with minimal or no impact to transit services. Installation of conduits and associated hardware for power and communications, fiber optic and ethernet cabling will also be required.

C. Testing/integration/commissioning with Physical Security Information Management System: Design-Builder will be required to test, integrate, and commission all equipment under this Project into the physical security information management (PSIM) system at the security command center at 130 Livingston in Brooklyn. Design-Builder is advised that this work will be performed by a company authorized by Qognify, which is the manufacturer of the Situator software system that serves as MTA's PSIM.

4. Summary of Design-Builder Responsibilities

Subject to the requirements of the RFP, the Design-Builder will be required to provide all planning, design, engineering, and