MTA Procurement

**DATE: 07/02/2024**

# NON-CONSTRUCTION CONTRACT SOLICITATION NOTICE

**MTA- HQ IS NOW ADVERTISING FOR THE FOLLOWING:**

| | |
|---|---|
| **SSE #: 0000477773** | **OPENING/DUE DATE: 07/12/2024** |
| **TYPE OF SOLICITATION: IFB** | **DOCUMENT AVAILABILITY DATE: 07/02/2024** |

**SOLICITATION TITLE: Provide Work Labor and Material for Removal, Repair, Replacement and Installation of Metal Works in the 5 Boroughs and Yonkers**

**DESCRIPTION:** The work to be performed under this contract will be to provide work labor and materials for removal, repair, replacement and installation of metal works like stainless steel, structural steel and aluminum work. This SOW will provide fireproofing for steel structures as required by codes. This scope of work will provide fireproofing to existing structure as directed by the engineer. Under this scope of work contractor is responsible to remove the lead paint material from the existing structures. Contractor will also provide all special inspection required by codes. The Work includes, but not limited to repair, replacement and installation of structural steel works, staircase, handrails, guard rails, structural steel framings, guard rails, Bird screen, bearing plates, metal deck, grating, equipment platform, lintel, shoring, and bracing, steel bar joists, steel truss, dunnage structure for equipment supports, and any other related work.

Funding: 100% Operating Goals:15% MBE; 15% WBE; 6% SDVOB Est $ Range: $1M - $5M
Contract Term: 5 Years

******PLEASE SEE THE ATTACHED SOW FOR ADDITIONAL INFORMATION******

| | | |
|---|---|---|
| **( ) PRE-BID CONFERENCE:** | **DATE:** | **TIME:** |
| **( ) SITE TOUR** | **DATE:** | **TIME:** |
| **PLACE:** | | |

**FOR MORE INFORMATION, PLEASE CONTACT:**

**PROCUREMENT REPRESENTATIVE: Zumrad Rashidova** **EMAIL: zumrad.rashidova@mtahq.org**

**STATEMENT OF WORK – General Technical Specifications**
**Scope of Work (SOW)**

## Section 1 GENERAL REQUIREMENT

The work to be performed under this SOW will be to provide work labor and materials for removal, repair, replacement and installation of metal works like stainless steel, structural steel and aluminum work. This SOW will provide fireproofing for steel structures as required by codes. This scope of work will provide fireproofing to existing structure as directed by the engineer. Under this scope of work contractor is responsible to remove the lead paint material from the existing structures. Contractor will also provide all special inspection required by codes.

## Section 2 DESCRIPTION OF THE WORK:

The Work includes, but not limited to repair, replacement and installation of structural steel works, stair case, handrails, guard rails, structural steel framings, guard rails, Bird screen, bearing plates, metal deck, grating, equipment platform, lintel, shoring, and bracing, steel bar joists, steel truss, dunnage structure for equipment supports, and any other related work, as described below:

A. New install of structural steel beams, columns, steel bar joists, steel truss, shoring bracing, foundation bolts, galvanized metal deck roofing, galvanized metal deck for floor slab, steel stairs, steel supports for equipment and systems, guard rails, hand rails, Galvanized metal deck wall, wrought iron fence & gates, Guard rails, Handrails, bird cages, steel lintels and structural steel crane, metal fabrication for mechanical and electrical systems, supper structure for building system, and substructure for building systems.
B. Repair and replace structural steel beams, columns, steel bar joists, steel truss, shoring bracing, foundation bolts, galvanized metal deck roofing, galvanized metal deck for floor slab, steel stairs, steel supports for equipment and systems, guard rails, hand rails, Galvanized metal deck wall, wrought iron fence & gates, bird cages, steel lintels and structural steel crane, metal fabrication for mechanical and electrical systems, supper structure for building system, and substructure for building systems.
C. Provide and install temporary shoring and bracing for the new and existing structural steel framing building system. Provide and install temporary sidewalk shedding and/or protective system structure.
D. Remove all types of structural steel beams, columns, steel weld & bolt connections, angles, metal decks, stairs, stringers, equipment frames, lintels, guard rails, handrails, crane, rails, bar joists, struts, trusses, gates and fences.

E. Install of concrete foundation required performing structural steel installation, concrete metal deck floor slab, and concrete filled steel pan for staircase. Provide CMU block wall, and/or brick masonry for the support of structural steel works, lintel masonry creating door openings, cementitious fire proofing work for fire protection, wood carpenter for covering the steel work, and gypsum board (sheet rock) coverage for fire protection to the steel systems etc.

F. Perform excavation, concrete installation, mechanical work, masonry works and any other cutting and patching required for new installation and/or repairs of structural steel system

G. Inspection of fire proofing condition, removal of fire proofing and installation of fireproofing.

Emergency work shall also generally consists of the items above stated.

**Section 3** **SCHEDULE:**

The Contractor shall submit, for approval by the MTA Project Manager (PM), a schedule of procedures showing a step by step method of performing all work for each specific assignment required under this Contract. No work shall be performed until directed by the Project Manager. The Contractor shall provide weekly progress reports on large jobs, as directed by the PM.

**Section 4** **REMOVAL, REPLACEMENT AND INSTALLATIONS OF STRUCTURAL STEEL WORKS:**

The Contractor shall remove all existing structural steel beams, columns, lintels, metal deck, guard rails, handrails, chain link fence and gates, metal decks, bar joists, gratings, equipment platforms consisting of foundations, bearing plates, steel sizes, bolts & nuts, web stiffeners, welding metal, connection plates, roll up supports, posts, fabric, rails, locking plates, rollers, and all other parts of structural steel framing, not to remain in service, as directed by the Project Manager, or as required. Where the structural steel framings are removed, proper shoring and bracing, proper patchwork and/or finishing shall be done, as directed by the Project Manager. The Contractor shall not dispose the scrape steel materials. The Contractor shall deposit and/or hand over the removed structural steel materiel and metal to MTA and dump into MTA's scrape metal container.

**Section 4A** **REMOVAL, REPLACEMENT, AND INSTALLATIONS OF FIREPROOFING:**

The Contractor shall inspect, remove, and replace the existing fireproofing from structural steel beams, columns, lintels, metal deck, bar joists or any other structures as approved by the Project Manager. Where there is not structural steel repair this item will allow us to remove and replace the fireproofing as needed.

**Section 4B.**

**REMOVAL, OF LEAD MATERIAL FROM THE EXISTING STRUCTURE**

The requirements of this SOW apply to any disturbances of materials which potentially contain lead including painted surfaces. Note that abrasive blasting of materials which potentially contain lead is strictly prohibited.

1. The contractor must submit the following information to the project manager at least 30 days prior to proposed commencement date of lead disturbance work for immediate transmittal to the Buses' departmental lead representative (DLR):
    a. Department and contract chain of command including cell phone numbers.
    b. The name of the hazardous waste.
    c. Lead disturbance procedures include a description of the materials which will be disturbed, methods (tools and equipment) resulting in the disturbance, containment, storage and disposal methods, cleanup methods for the work area and for the individuals performing the work.
    d. Worker protection plan which includes, worker qualifications, training, and all measures to protect MTA's employees outside the work area.
    e. Emergency response and notification plan.
    f. Detailed schedule of when work will be performed including a two-week contingency for any potential project delays.

    Upon review and approval of this information, NYCT's Office of System Safety (OSS) will issue a placard. The contractor must post this placard at the work site during all lead disturbance procedures.

2. The contractor is responsible to ensure employees conducting lead disturbance activities have all required training mandated for applicable regulatory agencies for this work. The contractor must provide copies of employee training records with 48-hours of the request.

3. The contractor must ensure that its employees utilize proper PPE and follows all internal and external safety protocols (see attached Lead Particulate Management Policy Instruction).

4. The contractor must clean the work area in accordance with applicable regulatory requirements prior to removing the containment. Tarps and containment sheeting must be HEPA vacuumed or wet wiped and wet swept and taken with the vendor for

reuse.

5. The contractor must provide MTA's designated on site representative with paint chips in a sandwich size zipper locked plastic bag (bag must be completely full) for transmittal to the location's General Superintendent, Safety & Environmental management (GSSEM) for analysis. The bag must be labeled as follows:
    - Site name
    - Sample ID number (use the internal drum tracking number discussed below)
    - Paint chips
    - Sample date
    - Sample time

    The remainder of this waste stream must be placed in heavy duty garbage bags, drummed and stored in the hazardous waste storage area (HWSA). The project manager must notify the GSSEM that the drum(s) will being moved to HWSA and obtain an internal tracking number from the GSSEM. Drums must be labeled as follows:
    - Potentially Hazardous Waste – Awaiting Analytical Results
    - The internal tracking number provided by the GSSEM
    - Paint Chips
    - Potentially toxic

6. The contractor must provide MTA's designated on site representative with a sample of clippings of non-reusable PPE, such as Tyvek suits and gloves, in a one-gallon size zipper locked plastic bag (bag must be completely full) for transmittal to the location's General Superintendent, Safety & Environmental management (GSSEM) for analysis. Respirator cartridges are not to be put in the sample bag. The bag must be labeled as follows:
    - Site name
    - Sample ID number (use the internal drum tracking number discussed below)
    - PPE
    - Sample date
    - Sample time

    The remainder of this waste stream must be placed in heavy duty garbage bags, drummed, and stored in the hazardous waste storage area (HWSA). The project manager must notify the GSSEM that the drum(s) will being moved to HWSA and obtain an internal tracking number from the GSSEM. Drums must be labeled as follows:
    a. Potentially Hazardous Waste – Awaiting Analytical Results
    b. The internal tracking number provided by the GSSEM
    c. PPE
    d. Potentially toxic
    e. Accumulation date (date drum was placed in the HWSA)

**Section 5** **COORDINATION:**

The Contractor shall contact Project Manager for all the assistance required for the repair, replacement and installation of structural steel frame work. The Contractor shall coordinate the entire job with PM.

**Section 6** **SURVEYS:**

The Contractor shall perform preliminary and secondary surveys, before repairs, replacement and installation of the structural steel frame work. The survey reports of survey activity shall be submitted to the Project Manager. The preliminary surveys shall be done for the approximate location of repairs, replacement and installation of structural steel frame works. The secondary surveys shall be performed to locate the exact and precise location of repair, replacement and installation of the structural steel frame works. The secondary surveys shall be performed by the licensed surveyor registered in the State of New York. No installation shall start without a secondary survey. It is the Contractor's responsibility to install the fence and gates at the exact location indicated by MTA.

**Section 7** **SHOP DRAWINGS:**

The Contractor shall provide shop drawing for repair, replacement and installation of structural steel frame works. The Contractor shall not start to fabricate the structural steel work in the shop without approval of submitted shop drawings. The structural shop drawings shall be prepared certified and signed by licensed professional engineer registered in the State of New York.

**Section 8** **QUALITY OF WORK:**

The construction, equipment, and material shall be of the highest class, and shall be applied in the best manner and according to the industry standards for the repair replacement and installation of structural steel works. Where no specific requirements are given, the work and the materials shall conform to the latest applicable standards of material and construction of nationally recognized associations.

At the discretion of the Project Manager, samples of gratings, column, beams, bolts &nuts, plates, metal deck, bar joists, joint fabrication, locking devices, and catalog cuts for the equipment's shall be submitted to the Project Manager for approval before the Contractor proceeds with the repairs, replacement and installation of structural steel works.

**Section 9** **QUALITY ASSURANCE:**

For the repair, replacement and installation of structural steel works (in addition to standards specified in individual work sections), the following standards are imposed, as applicable to the work in each instance:

- AISC- American Institute of steel construction
- ASTM, American Standards Testing Materials.
- New York City Building code.
- NEC, National Electrical Code.
- BOCA, National Building Code
- UL, Underwriters Laboratories
- AASHTO, Highway Code
- OSHA – Safety Standards
- New York State Code

**Section 9A** **ADDITIONAL SPECIFICATION:**

For the repair, replacement and installation of structural steel works, the fireproofing work the lead paint removal the following standards are imposed, as applicable to the work in each instance:

- 5A Structural Steel
- 5D Aluminum Work
- 9A Painting Steel Work
- 9L Sprayed Fireproofing
- 12L Lead Removal

**Section 10** **INSTALLATIONS:**

The Contractor shall not proceed with the installation any structural steel work, before (a) the approval of the shop drawings, (b) holding a preconstruction meeting with depot management and (c) work release order from the Project Manager is obtained. See sample of typical release order (exhibit #1). (c) Provide a work plan and safety procedure for all work performed.

**Section 11** **LABELING:**

All equipment, parts and material installed by the Contractor shall be labeled by the Contractor (in order) to clearly identify the proper instruction and/or application, as required by the Project Manager. Markings with pen and markers are not acceptable.

**Section 12** **DRAWINGS:**

Upon completion of each the work for Release Order, As-Built Drawings indicating the work performed shall be submitted by the Contractor to the Project Manager. The complexity of the drawings shall be determined by the size of job. In some cases, the MTA shall provide the Contractor, with drawings of the work to be performed. With the approval from the Project Manager, the Authority drawings given to the Contractor may be submitted as "As-Builts" after all the field additions and changes have been made to them. In general, 8-1/2" x11" Letter size "As-Built" sketches may be submitted to the Project Manager only when jobs cost $10,000 or more.

**Section 13** **SPECIAL INSPECTIONS:**

## General Requirement for Special Inspection

- The responsibilities of the Contractor related to the performance of Special Inspections and Tests that require special expertise to ensure compliance with the Contract Documents and the 2020 New York State Uniform Fire Prevention and Building Code NYS Uniform Code.

- The Contractor will retain and employ qualified Special Inspectors and Testing Agencies for concrete testing and The Contractor shall utilize these Special Inspectors and Testing Agencies for all required Special Inspections and Tests. The Engineer from MTA Bus will perform inspection for steel reinforcement and concrete.

- The Contractor shall be responsible for coordinating, supervising, and directing all day-to-day activities of the Special Inspectors that are required by Chapter 17 of Building Code of New York State (BCNYS).

- The Contractor shall allow for and coordinate the presence of Special Inspectors and employees of the Testing Companies at the Work Site during the progress of the Work at times as required by Chapter 17 of BCNYS.

The contractor shall ensure that the Special Inspection Companies submits to MTA Bus and the Contractor at the same time the following:

- Preliminary list of special inspections.

- Identification of Third-Party testing laboratories.
- Final list of Special Inspections and Tests.
- Schedule of Special Inspections and Tests.
- Documentation of satisfactory completion of Special Inspections and Tests.
- Reports of nonconforming Special Inspections and Tests.
- Signed statement of Special Inspections to identify the Special Inspections or tests prior to issuance of a construction permit.
- Resubmittal of a signed statement of Special Inspections-Form IIA to identify the Special Inspections or tests added or removed after issuance of a construction permit.

Project Manager shall act as the Contractor's main coordinator/liaison for all Special Inspection and Test activities including the following:

- *Coordinate Special Inspection and Test activities with the Project Manager and the Engineer in charge.*
- *Ensure that Special Inspection and Test are performed in accordance with the Inspection and Scope of work, codes, and the schedule of Special Inspection and Tests.*
- *Monitor and control Special Inspection and Test activities.*
- The Contractor shall attend a kick-off meeting with the Special Inspection companies and the Project Manager to review the scope of the Special Inspections and Tests required for the Contract, including any unique or complex construction requirements.
- The Contractor shall provide safe access for the Special Inspectors and testing agencies to the Work, including, but not limited to, labor, facilities, equipment such as ladders and/or other mechanical or electrical lift equipment and scaffolding, required safety equipment to obtain, handle, and deliver samples to facilitate testing and inspection, and for storage and curing test samples.

- The Contractor shall provide access for the Special Inspectors and testing Companies to the most recent approved documents or drawings.

- The Special Inspectors and Testing companies shall bring any non-conformance to the immediate attention of the Project Manager and the Engineer in charge for correction and the Contractor shall promptly complete all required corrections of non-conformances, unresolved items, or any discrepancies in inspection coverage, such as missed inspections, periodic inspections when continuous inspection is required. If the non-conformances cannot be corrected within twenty-four (24) hours, the Contractor shall promptly bring them to the attention of the Project Manager prior to the completion of that phase of Work, or prior to being covered, shipped, energized, or placed into service.

- Special Inspectors and Testing companies shall keep records of inspections and directly furnish to MTA Bus within 48-hours after inspection or sooner if directed by the Project Manager. Reports shall indicate that Work inspected was completed in conformance with the Contract Documents.

## Documentation of Special Inspections and Tests

- The Contractor shall maintain and retain documentation of Special Inspections and Tests.

- Forms to be used for Special Inspection and testing may be provided to the Contractor at the Kickoff Meeting regarding Special Inspections.

## Special Inspections Nonconformance Reporting Procedure

The Contractor shall identify and process all nonconformances in accordance with the Scope of work, and furnish the following information to the Project Manager:

1. Documentation of satisfactory completion of required Special Inspection and tests.

2. Status report of nonconforming Special Inspections and tests including documentation of all nonconformances that have been satisfactorily resolved.

## Final Report

A. The Special Inspectors and Testing Companies shall submit a final report certified by its Professional Engineer and signed by the Contractor's Code Compliance Coordinator stating that all items requiring Special Inspections and/or tests were performed in accordance with the Contract Documents. Items not in conformance, unresolved items, or any discrepancies in inspection coverage (e.g., missed inspections, periodic inspection when continuous inspection was required, etc.) shall be specifically itemized in this report. The report shall be forwarded to the project Manager.

B. A final report with any items not in conformance or unresolved items shall be resolved prior to the issuance of a Code Compliance Certificate.

## Other Required Inspections

Other required inspections may include observation of any of the following elements that may be included in the Contract:

- *Foundation.*
- *Concrete Construction*
- *Steel Construction Welding and Bolting*
- *Soil Compaction.*

The Contractor shall provide access and personnel to permit these observations and/or inspections to be performed.