Welcome to the latest MTA "Eye on the Future," in which we present currently funded capital projects that are planned to be advertised from March 2019 through February 2020.

The "Eye" is hosted along with other information and resources about the MTA Capital Program in one convenient location. It is part of our commitment to improve business practices and we hope that it is useful to you.

The MTA Capital Program is very important for the safety and reliability of the MTA transportation system and is vital for the regional economy.

As described in this issue of the "Eye," the MTA is preparing to undertake 112 projects valued at approximately $1.581 billion in capital work. This work spans many areas, including civil, structural, and electrical, as well as new technologies.

These projects are crucial for the reliability, growth and resiliency of the system and contribute to the regional economy. This amount of investment is projected to generate approximately $2.78 billion in economic activity for the New York region.

We want to make sure you’re aware of our web-portal: MyMTA.info. This portal was relaunched in 2018 and it enables MTA suppliers and bidders to search procurement opportunities and information across all MTA agencies, respond to sourcing events online, select categories for the goods and services you sell and more.

Contractors and suppliers have a critical stake in the success of the Capital Program. We appreciate your interest in and support of the projects included in this issue of the "Eye," and we look forward to your participation.

Yours truly,

Veronique Hakim
Managing Director
Information About Contracts that Will Be Advertised for Professional Services, Construction, and Equipment Procurement

March 2019 – February 2020

Letter from the Managing Director

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Forecast of Contracts and Proposals

Brief Descriptions of Work to be Advertised

MTA New York City Transit
MTA Long Island Rail Road
MTA Metro-North Railroad
MTA Bridges & Tunnels
MTA Capital Construction: None at this time
MTA Bus Company
MTA Police Department: None at this time

Overview

This edition of An Eye on the Future contains information for prospective contractors, engineers, architects and vendors about contracts that are expected to be advertised for bids between March 2019 – February 2020 by the Metropolitan Transportation Authority's operating agencies.

In 1993 the MTA board approved a new service identity program for the MTA family of agencies. The identity program provides for the use of the above popular names to make clear to our customers that the various MTA affiliates and subsidiaries constitute an integrated regional transportation network.
However, for all procurement documents and official transactions, the agencies retain their legal names: New York City Transit Authority, Staten Island Rapid Transit Operating Authority, the Long Island Rail Road Company, Metro-North Commuter Railroad Company, Triborough Bridge and Tunnel Authority, Capital Construction and Bus Company.

With respect to the contract descriptions and other data included in this volume, readers should note that they are for general information only and are not to be construed as final. The exact description of the work and other pertinent information concerning an individual contract will be found in the contract specifications and drawings or solicitation documents which may be obtained by prospective bidders when solicitation begins. Most contracts for construction, procurement of capital equipment and professional services are awarded after a competitive process, including sealed bids for construction and procurements and competitive requests for proposals for professional services.

Some aspects of contracting are common to all the MTA agencies.

1. MTA agencies are not subject to the Wicks Law for their construction projects.

2. MTA agencies seek the best contractors, suppliers, and professional services firms in the business, including firms owned by women and minorities for which special efforts are made to ensure appropriate participation. We pledge to do our part to make all projects successful for the agencies and contractors alike.

3. Projects already funded by Federal grants are noted in the solicitation schedule with an asterisk. Some of the other projects may become eligible for Federal funding in future grant applications.

Public notices of solicitations are normally published in advance of the availability of contract documents or requests for proposals in the New York State Contract Reporter and in one or more of the following publications.

New York Post
El Diario
The Daily Challenge
Amsterdam News
Minority Commerce Weekly
Engineering News Record

Contacts

For further information about contracts advertised here can be obtained by contacting respective agency representatives. For current procurements, please visit the link provided below.


**MTA NEW YORK CITY TRANSIT / MTA STATEN ISLAND RAILWAY / MTA BUS COMPANY**

Security & Consulting Service
*(New York City Transit ONLY)*

Hosie Fason
Assistant Chief Procurement Officer
Materiel Division
MTA New York City Transit
2 Broadway, NY 10004
Telephone: (646) 252-6253
E-mail: hosie.fason@nyct.com

For all other contracts

Patricia Johnson
Senior Director
Materiel Division
2 Broadway, NY 10004
Telephone: (646) 252-6246
E-mail: patricia.johnson@nyct.com

**MTA METRO-NORTH RAILROAD**

Mr. Charles F. Hansen
Deputy Director - Capital Procurement
MTA Metro-North Railroad
420 Lexington Ave, 12th Floor
New York, NY 10170
Telephone: (212) 340-3262
Fax: (212) 340-4034
E-mail: hansen@mnr.org
Selected Provisions of Capital Program Contracts

This is a summary of several provisions which are generally applicable to MTA agency projects. Complete requirements for a given contract can only be obtained from the documents for that contract. Naturally, all construction is performed under the laws and regulations of New York State. This is not intended to be a full summary of General Provisions.

1. MTA New York City Transit, the two commuter railroads, and MTA Capital Construction base progress payments on the contractor's monthly submissions of cost-loaded schedules. The use of CPM network diagrams is required for complex projects while simpler bar charts are required for less complex projects.

2. All the agencies' contract documents contain a value engineering change proposal clause. Contractors are encouraged to submit cost saving proposals during construction, and upon acceptance of the proposal, would be able to share in the actual cost savings.

3. Another effort to improve the management of capital projects is the use of contractor evaluation files that are kept on all ongoing work. All the MTA agencies use identical criteria to evaluate contractors and share the information with the other MTA agencies.

4. The period between advertisement for bids and bid opening will vary from approximately four to eight weeks, depending on size of the contract.

5. Unless specifically noted in the bid document, the transit facilities will be in continuous operation during the performance of the work for the majority of contracts. The contracting agency will provide the necessary maintainers, flagmen, diversions of service and work trains.

6. Bidders will be required to submit, prior to the award of the contract, a program of affirmative action to provide for equal employment opportunity. Submittals will be described in the contract documents. Goals for the participation of minority-owned and women-owned firms may be specified for each contract. Minority business enterprises and women business enterprises will be afforded full opportunity to submit bids and/or proposals and will not be subjected to discrimination on the basis of race, religion, color, sex, or national origin in consideration for awarding contracts.

7. A bid bond or a certified check in the amount of five to ten percent is normally required at the time of delivery of the bid. The contractor must furnish
a performance bond and payment bond in amounts equal to 100 percent of the contract price.

8. In addition to other requirements specifically provided in the contract, each bidder must be prepared to prove to the satisfaction of the contracting agency that he has the qualifications, including but not limited to skill and experience, and the necessary facilities and financial resources to complete the work in a satisfactory manner within the time specified.

9. Contracts generally require a guarantee of all apparatuses, devices, workmanship and materials for at least one year. A security in the form of a bond in the sum of a predetermined percentage of the amount of the contract may be required prior to the final payment. Contracts may have additional requirements which must be reviewed.

10. The contractor shall also maintain, at a minimum, Workers Compensation, Commercial General Liability and Commercial Automobile Insurance. Additional coverage may be required and will be indicated in the contract. The MTA and the contracting agency shall be named as an additional insured on the policy. In general, coverage requirements range from $1,000,000 to $5,000,000 combined single limit for injuries to persons (including death) and for damage to property. The limits of liability will vary depending on the size and type of projects. In addition, the contractor will be required to hold the governmental agencies and contracting agency harmless. Evidence of the required insurance shall be delivered to the contracting agency on an MTA approved Certificate of Insurance prior to execution of the contract. Each insurance policy, or Certificate of Insurance, shall contain an agreement by the insurance company issuing the policy that the policy will not be canceled, terminated or modified without 30 days prior notice to the contracting agency. At least two weeks prior to the expiration of each policy, the contractor shall endeavor to provide an updated Certificate of Insurance evidencing renewal coverage to the contracting agency. The MTA has in place Owner Controlled Insurance Programs (OCIP) for the East Side Access (ESA) project, the Second Avenue Subway and selected projects in the Capital Plan. Under traditional OCIPs, the MTA covers the construction phase of work and provides general liability, excess liability, workers’ compensation, railroad protective, and builder’s risk coverage to all participating contractors. The ESA OCIP adds environmental liability coverage for related engineering and environmental work.
Forecast of Contracts to be Advertised and Proposals to be Solicited

Letter from the Interim Executive Director

Information About Contracts

Forecast of Contracts and Proposals

Brief Descriptions of Work to be Advertised

- MTA New York City Transit
- MTA Long Island Rail Road
- MTA Metro-North Railroad
- MTA Bridges & Tunnels
- MTA Capital Construction: None at this time
- MTA Bus Company
- MTA Police Department: None at this time

March 2019 – February 2020

<table>
<thead>
<tr>
<th>Type of Contract</th>
<th>Solicitation Month</th>
<th>Reference Number</th>
<th>Contract Description</th>
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<td>Construction</td>
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<td>JUL</td>
<td>C48704 / C48714</td>
<td>Line Structure Component Repair Program: The Bronx (BXC) &amp; E 161 St - E 192 St / Concourse Vents</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>P36705 / P36706</td>
<td>Central Substation Renewal and Six Negative Manholes / 6AV</td>
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<td>Life Cycle Replacement of Code Systems - Phase 1**</td>
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<td>Overcoat: 17 Bridges &amp; East 180 Street Flyover / Dyre Av</td>
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<td>Construction</td>
<td>JUL</td>
<td>A37692</td>
<td>Sandy Mitigation: Internal Station Hardening -148 St Comm Rm**</td>
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<td>Construction</td>
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<td>C43752</td>
<td>RTO Fac: Chambers St / Nassau Loop</td>
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<td>Construction</td>
<td>AUG</td>
<td>C34915</td>
<td>Overcoating: Portal - King's Hwy / Culver</td>
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<td>Construction</td>
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<td>A37302</td>
<td>Station Lighting: 3 Locations / 8AV, WPR (2019) (SBFP)**</td>
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<td>Construction</td>
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<td>Life Cycle Replacement of Speed Enforcement Systems**</td>
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<td>Purchase</td>
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<td>10 Hot Water Pressure HVAC Condenser Washers / Various Fac</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>Replace 5 Escalators / Various (Brooklyn &amp; Manhattan)**</td>
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<td>Construction</td>
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<td>ADA: 68 St-Hunter College / Lexington**</td>
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<td>Construction</td>
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<td>Replace 3 Escalators and Fire Alarm System: Flushing- Main Street / Flushing</td>
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<td>Construction</td>
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<td>A46026/ A46027/ A46028/ A46029/ A46031</td>
<td>Station Renewal: 5 Stations- Flushing Line</td>
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<td>MORE THAN $100M</td>
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<td>Platform Components: 4 Locations / Queens Boulevard, Archer</td>
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<td>Sandy Resiliency: Site Improvements at 2 Locations (SBFP)**</td>
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<td>Construction</td>
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<td>A37314</td>
<td>Mezzanine Columns: Atlantic Avenue / Canarsie [SBMP Tier2]</td>
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<td>Construction</td>
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<td>Rehab Fan Plant Damper System - Various Locations</td>
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<td>Paint Booth: Yukon Depot (SBMP)</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>ADA: Court Square / Crosstown (Elevator Phase)</td>
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<td>Purchase</td>
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<td>Oil-Water Separators at Two DCE Facilities</td>
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<td>Construction</td>
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<td>Construction</td>
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<td>Sandy Mitigation: Montague-Furman Substation / BWY**</td>
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### Long Island Rail Road

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<th>Penn Station Platform Stairs (Platform 11)</th>
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<td>L11409</td>
<td>Wreck Lead Bridge Rehabilitation</td>
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<td>Design</td>
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<td>LIRR &amp; NYCT: AirTrain Portal Improvements at Jamaica Station</td>
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### Metro-North Railroad

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<th>Repairs for localized deficiencies in GCT Train Shed and East Spine Vestibule</th>
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<td>Construction</td>
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<td>Pre-Wired Houses**</td>
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<td>Purchase</td>
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<td>Air Compressor (tow behind)</td>
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<td>Purchase</td>
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<td>M11509</td>
<td>Ballast Regulator</td>
<td>MNR</td>
<td>$1M-$5M</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11510</td>
<td>Speed Swing</td>
<td>MNR</td>
<td>$800K-$1.5M</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11513</td>
<td>Rough Terrain Articulating Boom Lift</td>
<td>MNR</td>
<td>$100K-$300K</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11514</td>
<td>Hydraulic Metal Shear (NWP Shop)</td>
<td>MNR</td>
<td>$50K-$100K</td>
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<td>Purchase</td>
<td>MAY</td>
<td>M11515</td>
<td>Hydraulic Metal Brake (NWP Shop)</td>
<td>MNR</td>
<td>$50K-$100K</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11516</td>
<td>Programmable Metal Cutting Table (NWP Shop)</td>
<td>MNR</td>
<td>$50K-$100K</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11507</td>
<td>Rail Lifter</td>
<td>MNR</td>
<td>$200K-$500K</td>
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<td>Purchase</td>
<td>MAY</td>
<td>M11506</td>
<td>Dynamic Track Stabilizer</td>
<td>MNR</td>
<td>$1M-$3M</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11518</td>
<td>Wheel Loader</td>
<td>MNR</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11517</td>
<td>Rail Heater</td>
<td>MNR</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11512</td>
<td>Utility Task Vehicle (UTV) (4WD w/plow and sander)</td>
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<td>Purchase</td>
<td>MAY</td>
<td>M11505</td>
<td>Motor Cars with Tool Circuits</td>
<td>MNR</td>
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<tr>
<td>Purchase</td>
<td>MAY</td>
<td>M11511</td>
<td>All Terrain Hi-Reach Forklift</td>
<td>MNR</td>
<td>$100K-$500K</td>
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<td>Construction</td>
<td>MAY</td>
<td>M11575</td>
<td>Security Store Room Upgrade</td>
<td>MNR</td>
<td>$1M-$5M</td>
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<tr>
<td>Construction</td>
<td>MAY</td>
<td>M10991</td>
<td>Construction of Node House Roofs</td>
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<td>$500K - $1M</td>
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<tr>
<td>Construction</td>
<td>MAY</td>
<td>M10849</td>
<td>Construction T35 &amp; Waldorf Elevators</td>
<td>MNR</td>
<td>$5M - $10M</td>
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<tr>
<td>Construction</td>
<td>JUN</td>
<td>M11561</td>
<td>Installation-Port Jervis Line</td>
<td>MNR</td>
<td>$5M - $10M</td>
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<tr>
<td>Construction</td>
<td>JUL</td>
<td>M11427</td>
<td>Design-Build Beacon/Southeast</td>
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<td>$10M - $50M</td>
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<tr>
<td>Construction</td>
<td>JUL</td>
<td>M11482</td>
<td>Construction Port Jervis Station</td>
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<td>$1M - $5M</td>
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<tr>
<td>Construction</td>
<td>JUL</td>
<td>M10472</td>
<td>Construction-Mott Haven - Motor Alternators**</td>
<td>MNR</td>
<td>$5M - $10M</td>
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<tr>
<td>Construction</td>
<td>SEP</td>
<td>M11363</td>
<td>Design-Build Moodna Viaduct</td>
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<td>$5M-$10M</td>
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<tr>
<td>Construction</td>
<td>OCT</td>
<td>M10964/M110433/M11539</td>
<td>Bridge NH25.74/Retaining Wall NH25 Port Chester NY/HIGHLAND Ave**</td>
<td>MNR</td>
<td>$10M - $50M</td>
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<tr>
<td>Construction</td>
<td>DEC</td>
<td>M11183/M11184</td>
<td>Grand Central Terminal- Trash Facility</td>
<td>MNR</td>
<td>$20M-$30M</td>
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<tr>
<td>Construction</td>
<td>FEB</td>
<td>M11467</td>
<td>Construct Fencing &amp; Access Control</td>
<td>MNR</td>
<td>$1M - $5M</td>
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<tr>
<td>Construction</td>
<td>FEB</td>
<td>M11574</td>
<td>Security Command Ctr Reloc and Expansion</td>
<td>MNR</td>
<td>$5M - $10M</td>
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<tr>
<td>Construction</td>
<td>FEB</td>
<td>M11573</td>
<td>GCT Security System SGR and Expansion</td>
<td>MNR</td>
<td>$5M-$10M</td>
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</table>

### Bridges and Tunnels

<p>| Construction | MAR | RK-20 | Construction: Main Cable Inspection and Rehabilitation at the Robert F. Kennedy Bridge | B&amp;T | $5M - $10M |
| Construction | MAR | VN-84 | Construction: Reconstruction of the Verrazano-Narrows Bridge Approach Ramps | B&amp;T | OVER $50M |
| Construction | MAR | HH-07A/HH-30 | Construction: Miscellaneous Structural Rehabilitation and Overcoat Painting at the Henry Hudson Bridge | B&amp;T | $10M - $50M |
| Construction Management | MAR | HH-07A/HH-30 | Construction Management: Miscellaneous Structural Rehabilitation and Overcoat Painting at the Henry Hudson Bridge | B&amp;T | $1M - $5M |
| Construction Management | MAR | TN-53 | Construction Management for Rehabilitation of the Approach Viaducts at the Throgs Neck Bridge | B&amp;T | $10M - $50M |
| Design | MAR | TN-87 | Special Services: Design for Tower Protection at the Throgs Neck Bridge | B&amp;T | $1M - $5M |</p>
<table>
<thead>
<tr>
<th>Design</th>
<th>APR</th>
<th>HC-80/QM-36</th>
<th>Special Services: Rehabilitation of Ventilation &amp; Service Buildings at the Hugh Carey and Queens Midtown Tunnels</th>
<th>B&amp;T</th>
<th>$1M - $5M</th>
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<tr>
<td>Design</td>
<td>APR</td>
<td>VN-80</td>
<td>Special Services: Design for the Rehabilitation of the Suspended Span Lower Level Deck at the Verrazano-Narrows Bridge</td>
<td>B&amp;T</td>
<td>$1M - $5M</td>
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<tr>
<td>Construction</td>
<td>APR</td>
<td>RK-19/RK-70 Phase 1A</td>
<td>Construction: Structural Rehabilitation at the Robert F. Kennedy Bridge</td>
<td>B&amp;T</td>
<td>OVER $50M</td>
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<tr>
<td>Construction</td>
<td>APR</td>
<td>TN-53</td>
<td>Construction: Rehabilitation of the Approach Viaducts at the Throgs Neck Bridge</td>
<td>B&amp;T</td>
<td>OVER $50M</td>
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<tr>
<td>Design</td>
<td>MAY</td>
<td>VN-86</td>
<td>Special Services: Design for the Widening of the Belt Parkway Ramps at the Verrazano-Narrows Bridge</td>
<td>B&amp;T</td>
<td>$1M - $5M</td>
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<tr>
<td>Construction</td>
<td>MAY</td>
<td>VN-11</td>
<td>Construction: Brooklyn/Gowanus Approach Reconstruction</td>
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<td>$10M - $50M</td>
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MTA Bus

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<tr>
<th>Purchase</th>
<th>APR</th>
<th>V-32450</th>
<th>Rubber Tire Service Vehicles**</th>
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<tr>
<td>Construction</td>
<td>APR</td>
<td>C-40247</td>
<td>CNG Upgrade-Spring Creek**</td>
<td>MTA BUS</td>
<td>$5M - $10M</td>
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<tr>
<td>Construction</td>
<td>APR</td>
<td>C-40246</td>
<td>CNG Upgrade-College Point Depot**</td>
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<tr>
<td>Construction</td>
<td>JUL</td>
<td>C-40276</td>
<td>Window Replacement-JFK Depot**</td>
<td>MTA BUS</td>
<td>$1M - $5M</td>
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<tr>
<td>Construction</td>
<td>AUG</td>
<td>C-40261</td>
<td>HVAC-Spring Creek**</td>
<td>MTA BUS</td>
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<tr>
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<td>HVAC-College Point**</td>
<td>MTA BUS</td>
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<tr>
<td>Construction</td>
<td>SEP</td>
<td>C-40275</td>
<td>Storage Room Expansion-LaGuardia**</td>
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<td>DEC</td>
<td>C-40274</td>
<td>Depot Rehab-College Point**</td>
<td>MTA BUS</td>
<td>$5M - $10M</td>
</tr>
</tbody>
</table>

** Partially Funded by Federal grant(s)
Brief Descriptions of Work to be Advertised

Letter from the Interim Executive Director
Information About Contracts
Forecast of Contracts and Proposals

Brief Descriptions of Work to be Advertised

MTA New York City Transit
MTA Long Island Rail Road
MTA Metro-North Railroad
MTA Bridges & Tunnels

MTA Capital Construction: No contract advertisements planned for this period.

MTA Bus Company

MTA Police Department: No contract advertisements planned for this period.

New York City Transit
Brief Description of Work
MAR 2019

E31685
SANDY MITIGATION: 14 FAN PLANTS, LT - 1 LOC, FP 7204**
$5M - $10M

This project will provide long term coastal storm flood protection for the 50th Avenue Fan Plant in Queens. Work will include:

- Construct a flood resistant new communications/police radio room.
- Remove existing louvers and appurtenances and replace with solid material as required by dimensions of the new room.
- Provide electrical distribution panel, lighting and receptacles.
- Provide ventilation to the new room.

Duration of Contract 18 Months

E34026
REPLACE 11 HYDRAULIC ELEVATORS / VARIOUS**
$10M - $50M

This project will replace 11 hydraulic elevators at various stations in Manhattan, Brooklyn and Queens. Work will include:
- Replace existing elevator cars with operating panels, electrical panels, communications system, smoke and fire detection system, hydraulic piston and cylinder, traveling cable, guide rail, sump pump and drainage system, and car safety devices.
- Provide Ethernet connection between status monitor and E&E Control Center.

**Duration of Contract 30 Months**

**P36703**
**SUBSTATION ROOF & ENCLOSURE: WASHINGTON HTS / 8 AV [SBMP2]**
**$1M - $5M**

This Small Business Mentoring project will rehabilitate the roof and enclosure at the Washington Heights Substation in Manhattan. Work will include:

- Furnish and install new power equipment, such as high tension switchgears, rectifiers and transformers.
- Provide all necessary controls, interlocks, wires and conduits for exhaust fans and dampers.
- Furnish and install fiber optic cable from FDB to FDB in addition to related communication equipment.

**Duration of Contract 20 Months**

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**New York City Transit**

**Brief Description of Work**

**APR 2019**

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**A37250**
**SIR STATION COMPONENT PROGRAM**
**$1M - $5M**

This project will repair select, identified structural and architectural defects within the station limits along Staten Island Railway. Work will include:

- Repair concrete spall.
- Install corbel.
- Repair/replace platform edge.
- Perform roof repairs.
- Electrical and communications work, as required.

**Duration of Contract 36 Months**

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**C33936**
**CLOSED-LOOP FILTRATION SYSTEMS AT TWO DCE FACILITIES**
**$500K - $1M**

This project involves the purchase, delivery and installation of two (2) closed-loop filtration systems for proper filtration of effluent at maintenance facilities.

**Duration of Contract 6 Months**

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**C34869**
**SANDY MITIGATION: SEWER 207TH STREET YARD**
OVER $50M

This project will provide flood mitigation by re-locating Department of Environmental Protection (DEP) owned sewers from 207th Street Yard. Work will include:

- Construction of sanitary pump station, force main, regulators, tide gates and branch interceptor for relocated DEP sewer.
- Removal of existing DEP regulator, diversion chamber, and tide gates.
- Reconfiguration of the internal sanitary service connections within the yard.
- Construction of ejector pump stations for redirected sanitary sewers.
- Installation of new manholes and sealing of existing manholes.

**Duration of Contract 36 Months**
C48701
ELEV STRUCTURAL REHAB: BOSTON RD-ABUTMENT N. OF 180TH ST-WPR
$10M - $50M

This project will rehabilitate the steel elevated structure of the White Plains Road Line between Boston Road and the East 180th Street abutment. Work will include:

- Repair abutment and cap beams.
- Remove existing temporary shoring at the abutment.
- Repair or replace structural steel members of the elevated structure.
- Repair column bases.

Duration of Contract 24 Months

P36483
RECONSTRUCTION OF CBH # 392 - FLUSHING RIVER BRIDGE
$1M - $5M

This project will reconstruct circuit breaker house #392 on the Flushing Line to boost needed voltage for better movement of trains. Work will include:

- Demolish existing structure and construct a new one story circuit breaker house.
- Furnish and install new equalizer breakers, cables, connectors to contact rails and circuit breaker.
- Install new battery and control cable to Lawrence St Substation and Corona Yard Substation.
- Provide environmental remediation work as required.
- Replace lighting.

Duration of Contract 24 Months

A37308
SUBWAY INTERIOR STAIRS: WEST 4TH STREET / 8AV [SBMP]
$500K - $1M

This Small Business Mentoring project will replace interior stairs at West 4th Street on the 8th Avenue Line in Manhattan. Work will include:

- Replace damaged and missing wall tiles, repair ceiling spalls, replace stair treads and risers, provide handrails.
- Environmental survey and abatement, as required.
- Painting, as required.

Duration of Contract 9 Months

C33941
ROOF REPLACEMENT: TIFFANY CENTRAL WAREHOUSE
$10M - $50M

This project will replace the existing single ply EPDM membrane roofing system at Tiffany Street Store Room. Work will include:

- Install new EPDM roofing system with new tapered insulation.
- Replace/Install all associated flashing, curbs, penetration flashing, expansion joints and roof drains.
- Install KeeGuard roof raling system.
- Refurbish parapet wall.

Duration of Contract 24 Months

C34846
DCE SHOP COMPONENTS - PHASE 3 / JEROME [SBMP TIER2]
$1M - $5M

This project will rehabilitate high-priority deficient components at the Jerome Maintenance Facility in the Bronx. Work will include:

- Repair structural issues in the facility.
- Provide repairs to the overhead HVAC units and piping.

Duration of Contract 13 Months

REHAB EMERGENCY EXITS - VARIOUS LOCS (3RD PARTY)
$1M - $5M

This project will rehabilitate two emergency exits on the Lexington Line in Manhattan. Work will include:

- Repair/replacement of corroded structural steel members.
- Seal water infiltration/leaks.
- Repair spalled and cracked concrete.
- Rehabilitate stairs, doors and hatches.
- Upgrade lighting.

Duration of Contract 24 Months

ROOF: FRESH POND DEPOT
$1M - $5M

This project will provide for the replacement of the existing roof and roof decking area at the Fresh Pond Bus Depot. Work will include:

- Remove and replace existing damaged roofing system.
- Replace expansion joint.
- Remove and replace walkway pads.
- Re-seal pitch pockets as required.
- Replace covers.

Duration of Contract 21 Months

REPLACE 2 ESCALATORS / PELHAM PARKWAY/ WHITE PLAINS ROAD**
$5M - $10M

This project will replace two escalators at Pelham Parkway station on the White Plains Road Line in the Bronx. Work will include:

- Replace existing escalator controllers, status monitoring system, electrical panels, communications systems, CCTV system, smoke and fire detection system, etc.
- Provide ethernet connection between status monitor and E&E Control Center.

Duration of Contract 24 Months

REPLACE 6 ESCALATORS / VARIOUS**
$10M - $50M

This project will replace six escalators at three stations in the boroughs of Brooklyn, Manhattan and the Bronx. Work will include:

- Replace existing escalator controllers, status monitoring system, electrical panels, communications systems, CCTV system, smoke and fire detection system, etc.
- Provide ethernet connection between status monitor and E&E Control Center.

Duration of Contract 39 Months
S33933
CODE CABLE REPLACEMENT / BW7**
$5M - $10M

This project will replace the existing code cables on the 7th Avenue Line in Manhattan with new armored fiber optic cables on existing messenger system and provide the necessary equipment to enhance system reliability. Work will include:

- Installing fiber distribution panels and running fiber optic cable between signal rooms.
- Installing new, redundant PLCs and associated equipment.
- Environmental survey and abatement, as required.

Duration of Contract 35 Months

A37300
STATION LIGHTING: 5 LOCATIONS / VARIOUS (2015) [SBMP TIER2]
$1M - $5M

This Small Business Mentoring Project will upgrade station lighting at various locations in Brooklyn and Manhattan. Work will include:

- Replace incandescent and old fluorescent lighting fixtures with retrofit LED fixtures on the mezzanines, control areas, entrances and passageways.

Duration of Contract 12 Months

B62041
SANDY MITIGATION: ZEREGA CENTRAL MAINTENANCE FACILITY [SBFP]**
$5M - $10M

This project will provide flood protection to the Zerega Central Maintenance Facility in the Bronx. Work will include:

- Construct a perimeter flood wall of precast panels and H-piles system.
- Relocate the guardhouse.
- Provide deployable stop logs for all entrances/openings along the wall.

Duration of Contract 17 Months

E30436
REPLACE 7 ESCALATORS / VARIOUS (BRONX & MANHATTAN)**
$10M - $50M

This project will replace six escalators at three stations in the boroughs of Brooklyn, Manhattan and the Bronx. Work will include:

- Replace existing escalator controllers, status monitoring system, electrical panels, communications systems, CCTV system, smoke and fire detection system, etc.
- Provide ethernet connection between status monitor and E&E Control Center.

Duration of Contract 36 Months
STATION LIGHTING: 8 LOCATIONS / VARIOUS (2018)
$5M - $10M
This project will improve lighting levels and utilize state of the art fixtures at 8 locations. Work will include:
• Replace incandescent and old fluorescent lighting fixtures with retrofit LED fixtures on the mezzanines, control areas, entrances and passageways.
Duration of Contract 12 Months

A37311
MEZZANINE COMPONENTS: NEVINS STREET / EPK [SBMP TIER2]
$500K - $1M
This project will eliminate deficient conditions rated 3.5 or worse at Nevins Street station on the Eastern Parkway Line in Brooklyn, as rated by the "Station Condition Survey" and existing field conditions. Work will include:
• Replacement of the concrete sidewalk.
• Waterproofing of ceiling and station rooms.
• Environmental survey and abatement, as required.
• Painting.
Duration of Contract 9 Months

A37692
SANDY MITIGATION: INTERNAL STATION HARDENING -148 ST COMM RM**
$500K - $1M
This project will provide flood resiliency to the communication room at 148th Street station on the Lenox Line in Manhattan. Work will include:
• Construction of a perimeter cut-off wall around the building.
• Reinforcement of the existing CMU walls.
• Provision of deployable stop logs or watertight flood barriers for doors.
Duration of Contract 12 Months

C34919
OVERCOAT: 17 BRIDGES & EAST 180 STREET FLYOVER / DYRE AV
$10M - $50M
This project will paint the bridges and flyover on the Dyre Avenue Line in order to protect the steel structure from deterioration. Work will include:
• Removal of all loose lead-based paint, dirt, grease and grime from the structure.
• Repair select structural defects.
• Apply three-coat paint system to all steel surfaces within the project limits.
Duration of Contract 33 Months

C48704 / C48714
LINE STRUCTURE COMPONENT REPAIR PROGRAM: THE BRONX (BCX) & E 161 ST - E 192 ST / CONCOURSE VENTS
OVER $50M
This project will repair high-priority defects in structural steel, concrete and vents in several sections of the Concourse Line tunnel in the Bronx. Work will include:
• Steel repair or replacement of beams and columns.
• Concrete spall and crack repairs on the ceiling and walls, and leak repairs on the ceiling and walls.
• Repair of vent gratings, frames, supporting members, drip pans, and drainage work.
Duration of Contract 49 Months
C34915
OVERCOATING: PORTAL - KING'S HWY / CULVER
$10M - $50M
This project will paint a portion of the elevated steel structure of the Culver Line located from Church Avenue portal to Kings Highway in the Borough of Brooklyn. Work will include:

- Removal of all loose lead-based paint, dirt, grease and grime from the structure.
- Repair select structural defects.
- Apply three-coat paint system to all steel surfaces within the project limits.

Duration of Contract 38 Months

A37302
STATION LIGHTING: 3 LOCATIONS / 8AV, WPR (2019) (SBFP)**
$1M - $5M
This Small Business Mentoring project will improve lighting levels and utilize state of the art fixtures at 3 Stations on the White Plains Road and 8th Avenue Lines. Work will include:

- Replace incandescent and old fluorescent lighting fixtures with retrofit LED fixtures on the mezzanines, control areas, entrances and passageways.

Duration of Contract 12 Months

MTA - Eye on the Future

7 of 2

3/26/2019, 3:29 PM
RTO FAC: CHAMBERS ST / NASSAU LOOP
$1M - $5M

This project will rehabilitate NYC Transit's Rapid Transit Operations (RTO) Construction Flagging facility at Chambers Street station on the Nassau Loop in the borough of Manhattan. Work will include:

- Construct and furnish new offices, electrical rooms, communication rooms, and equipment rooms.
- HVAC work.
- Asbestos abatement.
- Lighting.

Duration of Contract 23 Months

S33931
LIFE CYCLE REPLACEMENT OF SPEED ENFORCEMENT SYSTEMS**
$10M - $50M

This project will install overspeed protection equipment at five (5) locations system-wide.

- All existing speed sensor heads shall be replaced.
- A time control aspect shall be installed on every signal of the Fallback Grade Time system, as required.
- Replace cables and related equipment, as required.
- Furnish speed control signs, as required.

Duration of Contract 49 Months

New York City Transit
Brief Description of Work
SEP 2019

A36164
ADA: 68 ST-HUNTER COLLEGE / LEXINGTON**
OVER $50M

Duration of Contract 40 Months

A36949
AQUEDUCT-NORTH CONDUIT AV / RKY
$1M - $5M

Duration of Contract 10 Months

A36986
PLATFORM COMPONENTS: 4 LOCATIONS / QUEENS BOULEVARD, ARCHER
$10M - $50M

Duration of Contract 26 Months

A37671
SANDY MITIGATION: 138 ST - GR CONCOURSE/JER (VENT BATTERY A)**
$1M - $5M

Duration of Contract TBD Months

A46026/ A46027/ A46028/ A46029/ A46031

MTA - Eye on the Future
http://web.mta.info/mta/capital/eotf-descr.htm
STATION RENEWAL: 5 STATIONS- FLUSHING LINE
MORE THAN $100M
Duration of Contract 36 Months

C33935
10 HOT WATER PRESSURE HVAC CONDENSER WASHERS / VARIOUS FAC
$500K - $1M
Duration of Contract 4 Months

C40953 / E30526
REPLACE 3 ESCALATORS AND FIRE ALARM SYSTEM: FLUSHING- MAIN STREET / FLUSHING
$10M - $50M
Duration of Contract 34 Months

C48720
VENTS BETWEEN STATIONS / E 192 ST-E 198 ST /BXC [SBMP TIER2]
$1M - $5M
Duration of Contract TBD Months

E30525
REPLACE 5 ESCALATORS / VARIOUS (BROOKLYN & MANHATTAN)**
$10M - $50M
Duration of Contract 35 Months

P36341
SANDY RESILIENCY: SITE IMPROVEMENTS AT 2 LOCATIONS (SBFP)**
$1M - $5M
Duration of Contract 8 Months

New York City Transit
Brief Description of Work
OCT 2019

A37314
MEZZANINE COLUMNS: ATLANTIC AVENUE / CANARSIE [SBMP TIER2]
$1M - $5M
Duration of Contract 9 Months

E31713
REHAB FAN PLANT DAMPER SYSTEM - VARIOUS LOCATIONS
$10M - $50M
Duration of Contract 36 Months
B32804
PAINT BOOTH: YUKON DEPOT (SBMP)
$1M - $5M
Duration of Contract 18 Months

C34925
OVERCOAT: MYRTLE AVENUE - DESALES PLACE / JAMAICA
$10M - $50M
Duration of Contract 33 Months

C48703
LINE STRUCTURE COMPONENT REPAIR PROGRAM: BROOKLYN (EASTERN PARKWAY LINE)
$10M - $50M
Duration of Contract 26 Months

C48721
VENTS BETWEEN STATIONS: E 198 ST-E 205 ST / BXC [SBMP TIER2]
$1M - $5M
Duration of Contract TBD Months

A37217
PLATFORM COMPONENTS: 10 LOCATIONS / BROADWAY-7TH AVENUE
$10M - $50M
Duration of Contract 22 Months

C30401
DEEP WELLS: NOSTRAND PH 2: REHABILITATE
$1M - $5M
Duration of Contract TBD Months

C34857
SANDY REPAIRS: ROCKAWAY LINE WRAP-UP**
$10M - $50M
Duration of Contract 26 Months
<table>
<thead>
<tr>
<th>Contract ID</th>
<th>Description</th>
<th>Budget Range</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>C34874</td>
<td>Livingston Plz Elec and Mech Sys Improvements, Ph B</td>
<td>$10M - $50M</td>
<td>32 Months</td>
</tr>
<tr>
<td>C48511</td>
<td>RTO Facility: 3 Avenue-138 Street / Pelham</td>
<td>$1M - $5M</td>
<td>12 Months</td>
</tr>
<tr>
<td>A37121</td>
<td>ADA: Court Square / Crosstown (Elevator Phase)</td>
<td>$5M - $10M</td>
<td>40 Months</td>
</tr>
<tr>
<td>C33940</td>
<td>Oil-Water Separators at Two DCE Facilities</td>
<td>$100K - $250K</td>
<td>6 Months</td>
</tr>
<tr>
<td>A46030/C48729</td>
<td>Station Renewal &amp; Track Structure: 61 Street-Woodside</td>
<td>$10M - $50M</td>
<td>TBD Months</td>
</tr>
<tr>
<td>P36704</td>
<td>Sandy Mitigation: Montague-Furman Substation / BWY**</td>
<td>$1M - $5M</td>
<td>16 Months</td>
</tr>
<tr>
<td>L11942</td>
<td>Penn Station Platform Stairs (Platform 11)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
$10M - $50M

Total replacement of four stairs on Platform 11.

- Demolish existing stairs.
- Prepare platform surfaces for accepting new pre-fabricated stairs.
- Install new stairs.
- Complete the installation with cladding and handrails.

Duration of Contract 14 Months

Long Island Rail Road
Brief Description of Work
MAY 2019

L11118
N. MAIN AND ACCABONAC BRIDGE REPLACEMENT**
$1M - $5M

Removal & Installation of North Main & Accabonac Bridges.

- Removal and dispose of two existing (2 span) bridges at North Main & Accabonac Bridge locations.
- Install precast bridge seats and bearings and approach slabs.
- Installation of two (single span) bridges at North Main & Accabonac Bridge locations.

Duration of Contract 6 Months

L11409
WRECK LEAD BRIDGE REHABILITATION
$500K - $1M

Rehabilitation of the Wreck Lead Bridge including safety repairs and priority mechanical items that address bridge seating issues.

- Furnish and install new centering device.
- Replace fully seated limit switches.
- Rebalance bridge.
- Furnish and install new motor starters.
- Modify existing control wiring.

Duration of Contract 12 Months

Long Island Rail Road
Brief Description of Work
JUL 2019

L10350
PENN STATION SUBSTATION REPLACEMENT
$10M - $50M

Complete substation demolition and replacement in the existing location adjacent to Penn Station Track 21.

- Design-Build Contractor to demolish an existing substation and to build a new substation adjacent to Penn Station track 21.
- The contractor will finalize design and will furnish and install new substation including all necessary associated equipment.
- The contractor will also furnish and install new AC feeder cables from Con Ed property line, coordinate with Con Ed, engineer the overall Short Circuit and Relay Coordination Study, and perform testing and commissioning for Con Ed and LIRR.
- Design-Build Contractor to properly stage the replacement of all substation components as to maintain third rail power to all existing tracks.

Duration of Contract 28 Months
<table>
<thead>
<tr>
<th>Contract Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L11143</td>
<td><strong>SUBSTATION COMPONENTS</strong>&lt;br&gt;$5M - $10M&lt;br&gt;This contract is for replacing Motor Generators equipment at Hillside and Babylon Yard that are beyond its useful life and either deteriorated and/or in marginal operating condition in order to address current and future signal system requirements.</td>
</tr>
</tbody>
</table>
|               | • Carry 30% deign to 100% complete design.  
• Replacing Motor generator unit, MG switch gears and transformers.  
• Replacing circuit breakers, MG Controls including new battery system.  
• Furnish and install Programmable Logic Controller (PLC) system.  
• Design and build concrete foundation, stairs and platforms.  
• Testing and commissioning.  

**Duration of Contract 18 Months** |
| E04979        | **LONG ISLAND CITY YARD RESILIENCY**<br>$10M - $50M<br>Construction of a flood wall around the perimeter of the yard. |
|               | **Duration of Contract 24 Months** |
| L11925        | **LIRR & NYCT: AIRTRAIN PORTAL IMPROVEMENTS AT JAMAICA STATION**<br>$1M - $5M<br>Design Services for LIRR-to-AirTrain Wayfinding Improvements at Jamaica. Work by the selected 3rd Party Designer includes performance of wayfinding and passenger flow studies, creation of a Design-Brief report (inclusive of a 'Future Improvements Feasibility Analysis'), production of 50% Design package, production of 100% Design package, and production Final Bid-Package for use in procurement of a 3rd Party Contractor. As currently structured, future 3rd Party Construction of the final design will also be funded under this effort. This effort will further the MTA's previous development of a preliminary plan to improve the wayfinding and connection between the AirTrain, the LIRR, and New York City subway service. The preliminary plan, requiring further development under this Design contract, involves: enhancing static and digital signage, improving lighting, and implementing various customer amenities to make airport customer access to/from the JFK AirTrain far easier and more user-friendly than it is currently. |
|               | **Duration of Contract 21 Months** |
| M10469        | **PBX SOFTWARE/HARDWARE**<br>$1M - $5M<br>This contract will provide UPS (Uninterruptible Power Supply) and power distribution hardware associated with PBX (Private Branch Exchange) equipment at five (5) Metro-North Railroad locations (see below). Interface UPS to centralized reporting system. Provide software upgrade for PBX |
Signaling Server. Provide expansion hardware for additional users at the PBX to existing system. Locations: South East, North White Plains, Mott Haven, Croton Harmon and Poughkeepsie

- Furnish, deliver and install UPS.
- Furnish, deliver and install PDU (Power Distribution Unit).
- Configuration and implementation from vendor.
- Furnish, deliver and install expansion hardware.
- Provide cabling to demarcation within PBX.

Duration of Contract 18 Months

M10667/M10769
REPAIRS FOR LOCALIZED DEFICIENCIES IN GCT TRAIN SHED AND EAST SPINE VESTIBULE
$10M - $25M

This contract is part of the cyclical program to rehabilitate the Grand Central Terminal Train Shed. It will provide for priority repairs to steel, concrete and expansion joints to correct localized deficiencies. The contractor will work from street level (Park Avenue) to make repairs below grade and will also work from track level on overhead repairs during night and off peak hours. At 48th Street and Park Avenue the contractor will perform structural repairs and modifications to architectural finishes above the East Spine Vestibule, immediately east of Park Avenue.

- Relocation and re-support of existing utilities as required.
- Lead Abatement.
- Demolition and preparation to the existing framing for structural repairs.
- Construction of local structural repairs.
- Construction of architectural finishes.
- Reconnection and commissioning of the affected utilities.

Duration of Contract 24 Months

M10869
PRE-WIRED HOUSES**
$50M-$60M

The work under this contract shall include, but not be limited to, the design and furnishing of a new wayside signal system and grade crossing warning system to replace the existing vital relay based signal system, a non-vital system and communication links, and will provide the necessary upgraded block design.

- Work to take place at CP33 to CP53.
- Work to take place at CP53 to CP75 Option.

Duration of Contract 26 Months

M10849
CONSTRUCTION T35 & WALDORF ELEVATORS
$5M - $10M

This contract is to replace two freight elevators - the Waldorf Elevator and the T-35 Elevator, which have reached the end of their useful lives. The elevators will be replaced to meet current applicable codes and requirements, including the replacement of the controllers, drive units, car enclosures and doors as well as addition of automatic recall and emergency telephone and communications. Also, the T-35 shaft will be extended down to the upper level landing of the Oyster Bar ramp in Grand Central Terminal.
• Demolition Work.
• Construction of machine rooms, extension of T-35 elevator shaft.
• Mechanical, Elevator, Plumbing (MEP) and structural work.
• Installation of new elevator cars, machines, controllers, fire safety and security systems.

Duration of Contract 17 Months

M10991
CONSTRUCTION OF NODE HOUSE ROOFS
$500K - $1M

This contract is for the survey of 36 locations for a 10_x_20__ communication bungalow and furnishes, deliver and install new roofing system as needed. Metro North Railroad has 36 locations spread out on all three lines (Harlem, Hudson and New Haven) that have communication bungalows that require an assessment for the replacement of their roofs. The work includes survey and assessment of the current communication houses roof condition (includes water proofing membrane). Based on the determination of the findings the existing roofs must be replaced, as needed, with new roofing systems. The work must be performed in a matter that is non disruptive to railroad operations and free of damage to equipment within the space.

• Perform Survey of Node houses on the Hudson line and submit report.
• Perform Survey of Node houses on the New Haven line (NY locations) and submit a report.
• Perform Survey of Node Houses on the Harlem line and submit a report.
• Replace, as needed, the roofing system for all Node Houses.

Duration of Contract 13 Months

M11505
MOTOR CARS WITH TOOL CIRCUITS
$500K-$1M

This contract will provide for the purchase of four (4) Motor Cars with Tool Circuits for Metro-North Railroad's Maintenance of Way machine shop. Specifications and modifications include additional tool storage, perimeter lighting and tool circuits with retractable reels.

• Fabrication of four (4) Motor Cars with Tool Circuits.
• Procurement of additional tool storage.
• Procurement of additional perimeter lighting, tool circuits with retractable reels.
• Procurement of additional tool circuits with retractable reels.

Duration of Contract 9 Months

M11506
DYNAMIC TRACK STABILIZER
$1M-$3M

This contract will provide for the purchase of one (1) Dynamic Track Stabilizer for Metro-North Railroad's Maintenance of Way Track and Structures Department. Specifications and modifications include modified travel cab, hose holders, reflective tape and third rail clearance.

• Fabrication of one (1) Dynamic Track Stabilizer.
• Procurement of modified travel cab.
• Procurement of hose holders.
• Procurement of reflective tape.
• Procurement of third rail clearance.

Duration of Contract 15 Months

M11507
RAIL LIFTER
$200K-$500K

This contract will provide for the purchase of two (2) Rail Lifters for Metro-North Railroad's Maintenance of Way machine shop. Specifications and modifications include third rail clearance, LED Lighting and perimeter lighting.

• Fabrication of two (2) Rail Lifters.
- Procurement of third rail clearance, LED Lighting, perimeter lighting.
- Procurement of LED Lighting.
- Procurement of perimeter lighting.

**Duration of Contract 8 Months**

**M11508**
**AIR COMPRESSOR (TOW BEHIND)**
**$100K-$300K**

This contract will provide for the purchase of six (6) Air Compressors (tow behind) for Metro-North Railroad's Maintenance of Way machine shop.

- Fabrication of six (6) Air Compressors (tow behind).

**Duration of Contract 5 Months**

**M11509**
**BALLAST REGULATOR**
**$1M-$5M**

This contract will provide for the purchase of seven (7) Ballast Regulators for Metro-North Railroad's Maintenance of Way machine shop. Specifications and modifications include perimeter lighting, dust control system, third rail clearance, LED lighting and reflective tape.

- Fabrication of seven (7) Ballast Regulators.
- Procurement of perimeter lighting.
- Procurement of dust control system.
- Procurement of third rail clearance.
- Procurement of LED lighting.

**Duration of Contract 13 Months**

**M11510**
**SPEED SWING**
**$800K-$1.5M**

This contract will provide for the purchase of two (2) Speed Swings for Metro-North Railroad's Maintenance of Way machine shop. Specifications and modifications include third rail clearance, high rail equipment, train coupler and air system and reflective tape.

- Fabrication of two (2) Speed Swings.
- Procurement of third rail clearance.
- Procurement of high rail equipment.
- Procurement of train coupler and air system.
- Procurement of reflective tape.

**Duration of Contract 13 Months**

**M11511**
**ALL TERRAIN HI-REACH FORKLIFT**
**$100K-$500K**

This contract will provide for the purchase of one (1) All Terrain Hi-Reach Forklift for Metro-North Railroad's Maintenance of Way machine shop. Specifications and modifications include enclosed cab with HVAC equipment.

- Fabrication of one (1) All Terrain Hi-Reach Forklift.
- Procurement of enclosed cab with HVAC equipment.

**Duration of Contract 6 Months**

**M11512**
UTILITY TASK VEHICLE (UTV) (4WD w/plow and sander)
$50K-$100K
This contract will provide for the purchase of two (2) Utility Task Vehicle (UTV) (4WD w/plow and sander) for Metro-North Railroad's Maintenance of Way machine shop. Specifications and modifications include plow and sander, coated dump body, rust protection and HVAC equipment.

- Fabrication of two (2) Utility Task Vehicle (UTV) (4WD w/plow and sander).
- Procurement of plow and sander.

Duration of Contract 5 Months

ROUGH TERRAIN ARTICULATING BOOM LIFT
M11513
$100K-$300K
This contract will provide for the purchase of one (1) Rough Terrain Articulating Boom Lift for Metro-North Railroad's Maintenance of Way machine shop.

- Fabrication of one (1) Rough Terrain Articulating Boom Lift.

Duration of Contract 5 Months

HYDRAULIC METAL SHEAR (NWP SHOP)
M11514
$50K-$100K
This contract will provide for the purchase of one (1) Hydraulic Metal Shear for Metro-North Railroad's Maintenance of Way machine shop.

- Fabrication of one (1) Hydraulic Metal Shear.

Duration of Contract 5 Months

HYDRAULIC METAL BRAKE (NWP SHOP)
M11515
$50K-$100K
This contract will provide for the purchase of one (1) Hydraulic Metal Brake for Metro-North Railroad's Maintenance of Way machine shop.

- Fabrication of one (1) Hydraulic Metal Brake.

Duration of Contract 5 Months

PROGRAMMABLE METAL CUTTING TABLE (NWP SHOP)
M11516
$50K-$100K
This contract will provide for the purchase of one (1) Programmable Metal Cutting Table for Metro-North Railroad's Maintenance of Way machine shop.

- Fabrication of one (1) Programmable Metal Cutting Table.

Duration of Contract 7 Months

RAIL HEATER
M11517
$500K-$1M
This contract will provide for the purchase of one (1) Rail Heater for Metro-North Railroad's Maintenance of Way machine shop. Specifications and modifications include enclosed cab with HVAC equipment, perimeter lighting and reflective tape.

- Fabrication of one (1) Rail Heater.
- Procurement of enclosed cab with HVAC equipment.
- Procurement of perimeter lighting.
• Procurement of reflective tape.

Duration of Contract 11 Months

M11518
WHEEL LOADER
$100K-$500K

This contract will provide for the purchase of one (1) Wheel Loader for Metro-North Railroad’s Maintenance of Way machine shop. Specifications and modifications include 4 in one bucket, side dump, hydraulic quick connects for bucket change out, forks and snow pusher.

• Fabrication of one (1) Rail Heater.
• Procurement of enclosed cab with HVAC equipment.
• Procurement of perimeter lighting.
• Procurement of hydraulic quick connects for bucket change out.
• Procurement of forks.

Duration of Contract 6 Months

M11575
SECURITY STORE ROOM UPGRADE
$1M-$5M

This contract provides furnishing and installing of Video Surveillance for MNR Store Rooms.

• Existing Video Surveillance System Upgrades.
• Furnishing and Installing new surveillance in new storerooms.
• Configuration and Integration of Newly installed surveillance system into Genetec Security System.

Duration of Contract 27 Months

Metro-North Railroad
Brief Description of Work
JUN 2019

M11561
INSTALLATION-PORT JERVIS LINE
$5M - $10M

Install Fiber Optic Cable with Inner duct direct buried, in Trough, and in Cable Tray on the Port Jervis Line in four different sections totaling about 6 miles. This includes all work installing 24 fiber optic cable with inner duct direct buried, in trough, cable tray over underpass bridge, track crossings and cable vaults including hardware, attachments and brackets.

• 24 fiber optic cable with inner duct direct buried.
• Cable tray over underpass bridge.
• Track crossings and cable vaults including hardware.

Duration of Contract 18 Months

Metro-North Railroad
Brief Description of Work
JUL 2019

M10472
CONSTRUCTION-MOTT HAVEN - MOTOR ALTERNATORS**
$5M - $10M
This contract provides for the construction of the replacement of two motor alternator sets 100 Hz. are located in Mott Haven Yard. The signal substation motor alternator sets convert high voltage 60 Hz AC power to medium voltage AC power to serve as a primary feed for Metro-North North_s Signal systems. Mott Haven Yard is one of (6) locations serving the electrified territory of the Harlem and Hudson lines.

- Switchgear and controls to be replaced.
- Replace motor alternators with new motor alternators.
- Installation of new 600V Switchgear.
- Installation of new 5kv, 100 Hz switchgear.
- Installation of new 15kv, 60Hz Switchgear.
- Installation of 5 kv,15kv power and 600v control cable.

Duration of Contract 21 Months

M11427
DESIGN-BUILD BEACON/SOUTHEAST
$10M - $50M

At Beacon, the scope includes: • Rehabilitation of tunnel underpass, including improved lighting, new floor tiling, new wall cladding and waterproofing, and protection against flooding. • Improved tunnel approach access points on the east and west sides of the railroad, including improved lighting, signage and new entrance canopy. Also includes new ADA-compliant ramps between the entrance area and tunnel. • Repairs to the platforms and overpass, including spall repairs, and tread replacements for overpass stairs. • Temporary closure during construction anticipated for tunnel work at Beacon (approximately 4-5 months.) At Southeast, the scope includes: • Repairs to the platform, including spall repairs, tactile warning strip replacements. • New shelter and platform amenities and replace existing canopy roof and wood retrofits. • Installation of Customer Service Initiative elements, including PA/VIS, security and C&S improvements.

- Beacon Underpass tunnel rehabilitation.
- Repairs to the platforms and overpass, including spall repairs, and tread replacements for overpass stairs.
- Southeast repairs to the platform, including spall repairs, tactile warning strip replacements.
- New shelter and platform amenities and replace existing canopy roof and wood retrofits.
- Installation of Customer Service Initiative elements, including PA/VIS, security and C&S improvements.

Duration of Contract 21 Months

M11482
CONSTRUCTION PORT JERVIS STATION
$1M - $5M

Construction of the project is for Metro-North to construct a high-level side platform in the location of the existing grade-level platform with an ADA-compliant ramp for access to the platform. The new platform will include a single car-length canopy, shelter, and CSI elements. Design of the permanent capital improvement will be coordinated with Norfolk Southern as owner of the Port Jervis Line and New Jersey Transit as operators of Port Jervis Line service.

- Demolition of the existing low-level platform.
- Phased construction of the new high-level platform with an ADA compliant ramp with single car length canopy, shelter and CSI elements.

Duration of Contract 12 Months

Metro-North Railroad
Brief Description of Work
SEP 2019

M11363
DESIGN-BUILD MOODNA VIADUCT
$5M-$10M

This contract will be responsible for the timber ties replacement on the Moodna Viaduct located just east (south) of the Cornwall-Salisbury Mills Station in Salisbury, NY. The viaduct is a riveted built-up two girders system that is 3,200 feet long and 195 feet tall at its highest point. The viaduct is a single track with walkways on both sides.

- Perform Field Survey and Develop Timber Dapping Plans.
Procure/Fabricate Timbers.
Weekend Outages: Remove and Replace Existing Timbers.
Repeat Task 3 as Required Over 2 Years Period.

Duration of Contract 30 Months

Metro-North Railroad
Brief Description of Work
OCT 2019

M10964/M10433/M11539
BRIDGE NH25.74/RETAINING WALL NH25 PORT CHESTER NY/HIGHLAND AVE**
$10M - $50M

This contract provides for the replacement of the existing four (4) track steel railroad bridge over Willet Avenue on Metro-North Railroad's New Haven line at Milepost NH 25.74 in Port Chester, Westchester County, New York. The Contractor will rebuild one track at a time using Accelerated Construction Methods. Work will include a full steel superstructure replacement, soil anchors and partial concrete substructure rehabilitation. This contract will also include the replacement of the existing retaining wall in Port Chester adjacent to 149 South Main Street (NH Milepost 25.3)

- Conduct pre-construction activities for retaining wall including: survey of the existing conditions, providing support for Track 2 and relocate utilities.
- Install support of evaluation. Demolish existing steel superstructure on one track.
- Demolish existing top half of concrete abutments and wingwalls. Rebuild new concrete abutments and wingwalls.
- Install tie backs along face of abutments.
- Fabricate and install new steel structure (63 ft.).
- Repeat Tasks 2-5 for remaining three tracks, one track at a time.

Duration of Contract 24 Months

Metro-North Railroad
Brief Description of Work
DEC 2019

M11183/M11184
GRAND CENTRAL TERMINAL- TRASH FACILITY
$20M-$30M

The purpose of this contract is to construct a unified trash handling facility to be employed jointly by Metro-North and Long Island Railroads, in support of the future LIRR ESA Concourse. This trash handling facility will be constructed on the existing platform adjacent to track 115 located on the Lower Level of Grand Central Terminal, next to the proposed LIRR Concourse service corridor, where Metro-North will load trash for both railroads onto railcars for transport to BN Yard and disposal. This Track 115 Trash Transfer Facility provides safe, efficient rail service to the trash facility. Trackwork and related systems improvements, which reinstate a connection of "Ladder N" to Track 115 to facilitate train movements serving the facility are incorporated into the project. Wayside signal system and grade crossing warning system to replace the existing vital relay based signal system, a non-vital system and communication links, and will provide the necessary upgraded block design.

- Demolition.
- Structure.
- Track.
- Ventilation.
- Electrical.
- Plumbing and Fire Protection.

Duration of Contract 24 Months

Metro-North Railroad
Brief Description of Work
FEB 2020
M11467
CONSTRUCT FENCING & ACCESS CONTROL
$1M - $5M
This contract provides for the construction of fencing to deter and prevent unauthorized access while providing access control to MNR personnel.

- Removal of existing Chain Link Fence.
- Installation of TYPE 3 Industrial Fence, Pedestrian Gate, Vehicle Gate, TYPE 4 Industrial Fence under viaduct at NYCDOT Property.
- Installation of TYPE 1 and TYPE 2 Ornamental Fence, and Pedestrian Gate, at NYC Parks Property.
- Installation of TYPE 3 Industrial Fence, and Pedestrian Gate, at MNR Property.
- All components shall be integrated into existing Metro North Security System located at MNR Security Command Center.

Duration of Contract 13 Months

M11573
GCT SECURITY SYSTEM SGR AND EXPANSION
$5M-$10M
This contract provides design and construction of GCT Security System Expansion including a state of good repair of existing Security System.

- Existing GCT Security System State of Good Repair.
- Design of Security System Upgrade and Expansion.

Duration of Contract 32 Months

M11574
SECURITY COMMAND CTR RELOC AND EXPANSION
$5M - $10M
This contract provides design and construction for the relocation and expansion of MNR Security Command Centre.

- Relocation of existing Security Command Centre to the current Business Recovery Centre.
- Redesign of existing Security Command Centre for additional space for Security Department.
- Communications, HVAC, and Electronics/Electrical Systems Upgrade.

Duration of Contract 25 Months

Bridges and Tunnels
Brief Description of Work
MAR 2019

HH-07A/HH-30
CONSTRUCTION: MISCELLANEOUS STRUCTURAL REHABILITATION AND OVERCOAT PAINTING AT THE HENRY HUDSON BRIDGE
$10M - $50M
Under this Construction contract, the contractor will perform steel repairs and overcoat painting of the Henry Hudson Bridge. Additionally, full shielding for repair work and painting is required on the underside of the upper level roadway, lower level, and main arch.

Duration of Contract 31 Months

HH-07A/HH-30
CONSTRUCTION MANAGEMENT: MISCELLANEOUS STRUCTURAL REHABILITATION AND OVERCOAT PAINTING AT THE HENRY HUDSON BRIDGE
$1M - $5M
Under this Construction Management contract, the consultant will provide construction administration, inspection, testing, and associated services for steel repairs and overcoat painting under the HH-07A/HH-30 Construction project.

Duration of Contract 33 Months
RK-20
CONSTRUCTION: MAIN CABLE INSPECTION AND REHABILITATION AT THE ROBERT F. KENNEDY BRIDGE
$5M - $10M

Under this Construction contract, the contractor will unwrap and wedge open main cables at selected panels for in-depth inspection, perform cable wire sampling and repairs, re-compact and re-wrap the main cables, and painting of the wrapping wires, as well as associated main cable band bolts tension measurements and re-tensioning at the Robert F. Kennedy Bridge.

Duration of Contract 18 Months

TN-53
CONSTRUCTION MANAGEMENT FOR REHABILITATION OF THE APPROACH VIADUCTS AT THE THROGS NECK BRIDGE
$10M - $50M

Under this Construction Management contract, the consultant will provide construction administration, inspection, and testing associated with the structural rehabilitation of the approach viaducts at the Throgs Neck Bridge.

Duration of Contract 57 Months

TN-87
SPECIAL SERVICES: DESIGN FOR TOWER PROTECTION AT THE THROGS NECK BRIDGE
$1M - $5M

Under this Design contract, the consultant will produce a design for the upgrade/replacement of Tower protection at the Throgs Neck Bridge. In addition, the consultant will secure all necessary permits and perform all necessary coordination with the applicable permitting agencies that will need to approve this project.

Duration of Contract 48 Months

VN-84
CONSTRUCTION: RECONSTRUCTION OF THE VERRAZANO-NARROWS BRIDGE APPROACH RAMPS
OVER $50M

Under this Construction contract, the contractor will reconstruct a portion of the Verrazano-Narrows Bridge upper level approach ramps.

Duration of Contract 48 Months

Bridges and Tunnels
Brief Description of Work
APR 2019

HC-80/QM-36
SPECIAL SERVICES: REHABILITATION OF VENTILATION & SERVICE BUILDINGS AT THE HUGH CAREY AND QUEENS MIDTOWN TUNNELS
$1M - $5M

Under this Design Services contract, the designer will perform a feasibility study and develop a Master Plan for the Hugh L. Carey and Queens Midtown Tunnels Buildings (Ventilation, Service, Ancillary and Emergency Garage) and grounds, as well as design the selected recommendations.

Duration of Contract 30 Months

RK-19/RK-70 Phase 1A
CONSTRUCTION: STRUCTURAL REHABILITATION AT THE ROBERT F. KENNEDY BRIDGE
OVER $50M

Under this Construction contract, the contractor will perform structural rehabilitation and associated painting at the Queens Approach, Queens Viaduct, Wards Island Viaduct, Bronx Truss Span, Bronx Approach, and Harlem River Lift Span at the Robert F. Kennedy Bridge.
<table>
<thead>
<tr>
<th>Duration of Contract 30 Months</th>
</tr>
</thead>
</table>
| TN-53  
CONSTRUCTION: REHABILITATION OF THE APPROACH VIADUCTS AT THE THROGS NECK BRIDGE  
OVER $50M |
| Under this Construction contract, the contractor will perform structural repairs of the approach viaducts at the Throgs Neck Bridge. |

<table>
<thead>
<tr>
<th>Duration of Contract 48 Months</th>
</tr>
</thead>
</table>
| VN-80  
SPECIAL SERVICES: DESIGN FOR THE REHABILITATION OF THE SUSPENDED SPAN LOWER LEVEL DECK AT THE VERRAZANO-NARROWS BRIDGE  
$1M - $5M |
| Under this Design contract, the consultant will produce a design for the rehabilitation of the suspended span lower level deck to extend the life of the deck. |

<table>
<thead>
<tr>
<th>Duration of Contract 48 Months</th>
</tr>
</thead>
</table>
| VN-11  
CONSTRUCTION: BROOKLYN/GOWANUS APPROACH RECONSTRUCTION  
$10M - $50M |
| Under this Construction contract, the contractor will perform widening of the Gowanus Expressway from 92nd Street to Fort Hamilton Parkway. |

<table>
<thead>
<tr>
<th>Duration of Contract 30 Months</th>
</tr>
</thead>
</table>
| VN-86  
SPECIAL SERVICES: DESIGN FOR THE WIDENING OF THE BELT PARKWAY RAMPS AT THE VERRAZANO-NARROWS BRIDGE  
$1M - $5M |
| Under this Design contract, the consultant will produce a design for improvements at the merge of the Verrazano-Narrows Bridge off bound ramps to the Eastbound Belt Parkway, as well as for the widening of the Belt Parkway in the Eastbound direction from the Verrazano-Narrows Bridge ramps to the Bay Parkway Interchange. In addition, the consultant will secure all necessary permitting, studies, and coordination with the various agencies that will need to approve this project. |

<table>
<thead>
<tr>
<th>Duration of Contract 30 Months</th>
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</thead>
</table>
| C-40246  
CNG UPGRADE-COLLEGE POINT DEPOT**  
$5M - $10M |
| The purpose of this project is to replace CNG units and associated equipment that are beyond their useful life at College Point Depot. The work shall include the replacement of three compressor skids, CNG gas flow priority panel, PLC controls system, components for three dual hose dispensers, various CNG and compressed air piping, hoses, flexible connectors, and valves. Also included is a new three sided enclosure building with roof, overhead crane system, gas leak detection system, camera security system, and lighting. This project is FTA funded. Procurement will be done on |
C-40247
CNG UPGRADE-SPRING CREEK**
$5M - $10M
The purpose of this project is to replace CNG units and associated equipment that are beyond their useful life at Spring Creek Depot. The work shall include the replacement of a natural gas dryer, two compressor skids, CNG gas flow priority panel, PLC controls system, various CNG and compressed air piping, hoses, flexible connectors, and valves. Also included is a new three sided enclosure building with roof, overhead crane system, gas leak detection system, camera security system, and lighting. This project is FTA funded. Procurement will be done on behalf of MTA Bus by MTA New York City Transit.
Duration of Contract 20 Months

V-32450
RUBBER TIRE SERVICE VEHICLES**
$1M - $5M
The purpose of this project is to purchase various non-revenue vehicles used for maintenance, assigned at MTA Bus depots. Vehicle purchase includes:
- One 60-Ton Wrecker.
- One Sprinter Van.
- Eight Snow Fighters.
Duration of Contract 17 Months

C-40276
WINDOW REPLACEMENT-JFK DEPOT**
$1M - $5M
This project will replace windows, louvers, window guards, exterior doors and frames at JFK Depot. This project is FTA funded. Procurement will be done on behalf of MTA Bus by MTA New York City Transit.
Duration of Contract 12 Months

C-40260
HVAC-COLLEGE POINT**
$5M - $10M
The purpose of this project is to replace HVAC units and associated equipment that are beyond their useful life at College Point Depot. The existing HVAC equipment is inadequate and no longer complies with the New York State Energy code. The new HVAC will be designed and constructed with the latest energy efficiency and maintenance features, and will be in compliance with the current New York State Energy code. The heating system that serves the chassis wash areas will be modified, and a BMS system to monitor HVAC system will be installed. This project is FTA funded. Procurement will be done on behalf of MTA Bus by MTA New York City Transit.
Duration of Contract 24 Months
<table>
<thead>
<tr>
<th>Project Code</th>
<th>Project Description</th>
<th>Budget</th>
<th>Duration of Contract</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-40261</td>
<td>HVAC-SPRING CREEK**</td>
<td>$1M - $5M</td>
<td>19 Months</td>
<td>Procurement will be done on behalf of MTA Bus by MTA New York City Transit.</td>
</tr>
<tr>
<td>C-40275</td>
<td>STORAGE ROOM EXPANSION-LAGUARDIA**</td>
<td>$5M - $10M</td>
<td>12 Months</td>
<td>The purpose of this project is to rehabilitate and replace various facilities' components based on condition and funding at the LaGuardia Depot.</td>
</tr>
<tr>
<td>C-40274</td>
<td>DEPOT REHAB-COLLEGE POINT**</td>
<td>$5M - $10M</td>
<td>18 Months</td>
<td>** Partially Funded by Federal grant(s)</td>
</tr>
</tbody>
</table>

MTA Bus
Brief Description of Work
SEP 2019

MTA Bus
Brief Description of Work
DEC 2019