

METROPOLITAN TRANSPORTATION AUTHORITY (MTA)

NOTICE OF PUBLIC HEARING AND DESCRIPTION OF PROJECTS

Tuesday, September 12, 2017

4:30 P.M.

2 Broadway

Twentieth Floor Board Room

New York, NY 10004

Request for Federal Financial Assistance

Under the Federal Transportation Authorization

For

Federal Fiscal Year 2018

Capital Improvement Projects

For

NEW YORK CITY TRANSIT AUTHORITY (NYCTA)

MANHATTAN AND BRONX SURFACE TRANSIT OPERATING AUTHORITY

(MaBSTOA)

THE LONG ISLAND RAIL ROAD COMPANY (LIRR)

METRO-NORTH COMMUTER RAILROAD COMPANY (MNR)

MTA BUS COMPANY (MTA BUS)

MTA CAPITAL CONSTRUCTION COMPANY (MTA CC)

The purpose of the hearing is to receive public comment on the Metropolitan Transportation Authority's (MTA) requests for financial assistance from the Federal Transit Administration (FTA) of the U.S. Department of Transportation pursuant to the United States Code Title 49 sections 5307, 5309, 5324, 5337, 5339, 5340 and/or funds available for transit use under Title I of the Federal transportation authorization for the capital projects of New York City Transit Authority (NYCTA), Manhattan and Bronx Surface Transit Operating Authority (MaBSTOA), Long Island Rail Road (LIRR), Metro-North Railroad (MNR), MTA Capital Construction Company (MTA CC) and MTA Bus Company (MTA Bus). The MTA particularly solicits and encourages the participation of private transportation providers and invites their comments and feedback. The Governor of the State of New York, local officials and publicly-owned operators of mass transportation services have designated MTA to receive the federal grants made in connection with this request.

It is anticipated that the difference between the cost of the projects and federal grants will be met through funds made available by any one or any combination of State, local or affiliated agency (such as MTA Bridges and Tunnels or MTA) sources, credits for non-federal project share generated from toll revenues as provided for in Section 23 USC 120 (i), sales of property, or program income.

The capital improvements to be made from this Program of Projects generally take place within the MTA New York City Transit System (subways and buses), the MTA Commuter Railroad System (LIRR and MNR), or city and State-owned property. Any property acquisition or relocation that may be required for NYCTA, MaBSTOA, LIRR, MNR, MTA CC or MTA Bus projects will be carried out in accordance with the appropriate provisions of law and regulatory requirements. The projects are not anticipated to have any significant adverse environmental impact. If MTA prepares a formal statement on the environmental impact of any of the projects, the availability of that statement will be made known by public notice.

The projects will conform to comprehensive land use and transportation planning for the New York metropolitan area. The projects have been or will be endorsed by the Metropolitan Planning Organization for the New York metropolitan region, as the product of continuing, cooperative and comprehensive planning for all modes of transportation, and conform with the State Implementation Plan (SIP) as required by Clean Air Act Amendments of 1990.

The projects included in this hearing are either already part of the approved 2010-2014 Capital Program, or the approved MTA Capital Program for 2015-2019.

The NYCTA, MaBSTOA, LIRR, MNR, and MTA Bus provide half-fare for the elderly and disabled as required by the Code, and all legal requirements relating to the elderly and disabled will be met.

Federal funds must generally be matched by a local share contribution for capital assistance of 20% for funding categories.

PROPOSALS

I. Section 5307 Requests

In Federal fiscal year 2017, MTA is tentatively projected to be eligible to receive \$ 647.3 million of Section 5307 funds. Of that amount, MTA expects to elect to use \$ 618.6 million for NYCTA, MaBSTOA, LIRR and MNR capital projects, and MTA is expected to elect to use \$28.7 million for MTA Bus projects. Full year apportionments for Federal Fiscal Year 2018 are not yet available.

MTA proposes to:

- A) Submit capital projects to request some or all of the Section 5307 funds for Federal Fiscal Years 2017 and 2018 that will be available.

- B) Submit some capital projects to request Section 5307 funds remaining from prior fiscal period allocations and for adjustments to the Section 5307 program.

II. Requests for Funds under Sections 5324, 5337 and 5339 of the Code, and Title I of FAST Act

- A) In Federal Fiscal Year 2017, MTA is tentatively projected to be eligible to receive \$699.3 million of Section 5337 State of Good Repair and \$22.9 million of Section 5339 Bus and Bus Facilities funds. Projects will also be submitted for federal funds under Title I funds categories of FAST Act, as appropriate, in an effort to assure receipt of the maximum amount of federal assistance. The apportionment for Federal Fiscal Year 2018 is not yet known.
- B) Additional projects may be submitted in amounts sufficient to request federal fund balances from prior fiscal year allocations and grants within each of these fund categories, including fund categories under the Title I of MAP-21 or FAST Act, as appropriate, and for adjustments to these programs.

HEARING DATE, TIME AND LOCATION

Date: Tuesday, September 12, 2017
Time: 4:30 p.m.
Location: Metropolitan Transportation Authority
2 Broadway
Twentieth Floor Board Room
New York, New York 10004

REGISTRATION AND WRITTEN COMMENTS

Those wishing to be heard must register in advance, either by telephone or on the MTA website or in person at the hearing. It is advisable to pre-register before the hearing because those people will be heard first. Registration in person will be permitted at the hearing until 6:00 p.m. Oral presentations will be limited to three minutes. A record will be made of the comments received.

Written comments for incorporation in the record of the hearing will be accepted provided they are submitted before the hearing is closed. Registrations, written comments, and questions about the hearing, as well as the locations where copies of the document are available for review should be addressed to:

Metropolitan Transportation Authority
Government Affairs
2 Broadway
New York, New York 10004

or you may call (212) 878-7127 between the hours of 9:00 a.m. and 5:00 p.m.

ACCESSIBILITY AND INTERPRETER SERVICES

The hearing has been scheduled at a location that is accessible to people with mobility impairment. An interpreter for hearing impaired people will be available upon request.

COPIES OF APPLICATIONS AND QUESTIONS ABOUT THE FINAL PROGRAM OF PROJECTS

Requests for copies of the applications and final program of projects to be submitted to FTA, or questions regarding these documents should be addressed to:

Metropolitan Transportation Authority
Capital Program Funding & Grant Management
2 Broadway
New York, New York 10004

or you may call (212) 878-7127 between the hours of 9:00 a.m. and 5:00 p.m.

The MTA will make the final program of projects available on its website (www.mta.info) for Section 5307 funded projects when the FTA awards the Federal Fiscal Year 2017 grant and the Federal Fiscal Year 2018 grant.

A Note on Legal Names:

Although the MTA operating agencies adopted new popular names in 1993, the legal names remain unchanged and continue to be used in contracts, financial statements, legislation, and bond documents.

Legal Names:

New York City Transit Authority
Manhattan and Bronx Surface Transit Operating Authority
The Long Island Rail Road Company
Metro-North Commuter Railroad Company
Metropolitan Transportation Authority Bus Company
MTA Capital Construction Company

Popular Name:

MTA New York City Transit
MaBSTOA
MTA Long Island Rail Road
MTA Metro-North Railroad
MTA Bus
MTA CC

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**Proposed Program of Projects
Federal Fiscal Year 2018**

ACEP ID/ Agency PIN	Program/Project Description	Estimated Federal Request(\$M)	Page
NEW YORK CITY TRANSIT			
Bus Replacement			
T7030206	Purchase 50 Express Buses	\$36.56	1
		Subtotal	
		\$36.56	
Stations			
T5041419	Intermodal: Rockaway Parkway / Canarsie	\$8.35	2
T7040701	Replace 11 Hydraulic Elevators / Various	41.40	3
T7040702	Replace 12 Traction Elevators / Broadway-7th Avenue	44.70	4
T7040703	Replace 8 Traction Elevators / Various	27.87	5
T7040704	Replace 6 Traction Elevators / 8 Avenue	24.30	6
T7040706	Replace 2 Escalators: Grand Central-42 Street / Lexington	13.26	7
T7041302	ADA: Astoria Boulevard / Astoria	30.65	8
T7041308	ADA: Chambers Street / Nassau Loop	29.12	9
T7041309	ADA: Greenpoint Avenue / Crosstown	21.79	10
T7041310	ADA: 59 Street / 4th Avenue	44.91	11
T7041311	ADA: Rockaway Parkway / Canarsie	6.09	12
		Subtotal	
		\$292.44	
Track			
T7050204	Mainline Track Replacement - 2018	\$176.96	13
T7050210	Continuous Welded Rail - 2018	35.85	14
T7050304	Mainline Switches - 2018	54.05	15
		Subtotal	
		\$266.86	
Line Equipment			
ET060312	Sandy Mitigation: Purchase of 4 Backup Generators for Pump Room	\$0.68	16
ET060317	Sandy Resiliency: Conversion of 2 Pump Trains	16.57	17
ET060319	Sandy Mitigation: Department of Buses Mobile Pumps and Generators	1.66	18
T7060506	Rehabilitate Forsyth St. Fan Plant	93.79	19
T7060508	Critical Pump Room Rehabilitation	22.02	20
		Subtotal	
		\$134.72	
Line Structures			
ET070309	Sandy Mitigation: Long-Term Flood Protection: Hammels Wye	\$2.57	21
T6070316	Priority Repairs: 4th Avenue (2010-2014)	29.34	22
T7070301	Elevated Structural Rehab: White Plains Road Line	19.52	23
T7070312	Overcoat: Portal to 164 Street / Jerome	10.32	24
T7070315	Overcoat: East New York Yard & Shop Leads And Loops	26.78	25
T7070316	Overcoat: Myrtle Line	37.90	26
T7070317	Overcoat: Flushing Line	27.45	27
T7070319	Line Structure Repair:(EPK, Culver, Brighton, BXC, BW)	240.58	28
T7070320	Structural Repair of Ventilators Between Stations/Concourse Line	10.00	29
T7070321	Priority Repairs: 4th Avenue (2015-2019)	40.00	30
		Subtotal	
		\$444.46	

ACEP ID/ Agency PIN	Program/Project Description	Estimated Federal Request(\$M)	Page
<i>Signals and Communications</i>			
ET080207	Sandy Repairs: Signals 200 St - 207 St / 8th Avenue	\$43.24	31
T7080324	Code Cable Replacement / BW7	6.91	32
T7080325	Signal Room Fire Suppression, Phase 2	14.12	33
T7080333	Avenue X Interlocking: CBTC Culver	139.72	34
T7080334	Cable Messenger Brackets Replacement BRT	10.00	35
	Subtotal	\$213.99	
<i>Power</i>			
T7090201	Burnside Ave Substation Renewal - BXC	\$26.80	36
T7090202	Avenue Z Substation Renewal / CUL	34.60	37
T7090204	Rehabilitation of Substation Roof & Enclosure: Washington Heights / 8th	8.10	38
T7090206	Replace High Tension Switchgear at 10 Substations	50.04	39
T7090211	Two New Substations: Maspeth-Humboldt St and Harrison Pl / Canarsie	65.50	40
T7090401	Rehabilitation of Circuit Breaker House #586 / Culver Line	14.40	41
T7090407	Rehabilitation of Circuit Breaker House # 5 - 53rd Street	13.69	42
T7090411	Duct Reconstruction: Stanton Street Substation / 6th Avenue	12.75	43
T7090415	Reconstruction of Circuit Breaker House # 392 - Flushing River Bridge	7.65	44
	Subtotal	\$233.53	
<i>Shops</i>			
ET100307	Sandy Mitigation: Long Term Perimeter Protection- Coney Island Yard	\$516.00	45
ET100309	Sandy Mitigation: Long-Term Perimeter Protection, 148 St Yard	103.91	46
ET100310	Sandy Mitigation: Long-Term Perimeter Protection, 207 St Yard	174.08	47
ET100311	Sandy Mitigation: 148th Street Yard Portal	6.77	48
ET100312	Sandy Mitigation: 207th Street Yard Portal	23.11	49
T7100402	207 St Maintenance and Overhaul Shop Roof & Component Repair	60.00	50
T7100413	Yard Track Rehabilitation - 2018	2.27	51
T7100419	Yard Switches - 2018	3.70	52
T7100428	Rehabilitate Car Cleaning Facilities	1.48	53
	Subtotal	\$891.32	
<i>Depots</i>			
T5120312	Replace Roof at East New York Bus Depot	\$7.76	54
T7120307	Roof, Office: Fresh Pond Depot	25.00	55
T7120308	Paving: Manhattanville Depot [SBDP Tier2]	4.68	56
T7120311	Office Upgrade: Zerega Consolidated Maintenance Facility [SBDP2]	3.52	57
T7120408	Elevator Upgrades: Various Depots	13.99	58
T7120411	Oil-Water Separator: Casey Stengel Depot	6.62	59
	Subtotal	\$61.57	
<i>Staten Island Railway</i>			
ES070303	Sandy Mitigation: St. George	\$73.25	60
S7070110	Rehabilitation of Amboy Road Bridge - Staten Island Railway	5.14	61
	Subtotal	\$78.39	
New York City Transit Total		\$2,653.84	

ACEP ID/ Agency PIN	Program/Project Description	Estimated Federal Request(\$M)	Page
LONG ISLAND RAILROAD			
Stations			
L70204UN	Nostrand Avenue Station Rehabilitation	\$7.10	62
L70204UU	Mentor Allowance - Stations	22.00	63
L70205V1	Parking Rehabilitation	5.00	64
	Subtotal	\$34.10	
Track			
L70301WC	2017 Annual Track Program	\$15.00	65
L70301WD	2018 Annual Track Program	64.00	66
L70301WF	Right of Way Fencing	2.88	67
L70301WG	Construction Equipment - Phase I	2.60	68
L70301WH	Retaining Walls/Right of Way Projects	6.00	69
	Subtotal	\$90.48	
Line Structures			
L70401BQ	Buckram Road Bridge Replacement	\$4.90	70
L70401BR	Post Avenue Bridge Replacement	8.00	71
L70401BS	Bridge Waterproofing	7.50	72
L70401BU	Mentor Allowance - Line Structures	10.00	73
L70401C3	Lynbrook and Rockville Centre Renewals	9.00	74
	Subtotal	\$39.40	
Communications and Signals			
L70501SE	Communication Pole Line	\$6.30	75
L70502LN	Babylon to Patchogue	21.00	76
	Subtotal	\$27.30	
Shops and Yards			
L70604YJ	Mentor Allowance - Shops & Yards	\$23.00	77
L70604YW	Rehabilitation of Employee Facilities	4.00	78
	Subtotal	\$27.00	
Power			
L70701XA	Substation Replacements	\$38.80	79
L70701XC	Third Rail 2000 Million Cubic Meter (MCM) Cable	2.20	80
L70701XK	Signal Power Motor Generator Replacement	2.20	81
L70701XL	Direct Current (DC) Relay Controls Replacement	1.20	82
L70701XM	Signal Power Line Replacement	1.50	83
L70701XN	Power Pole Replacement	1.38	84
L70701XP	Atlantic Avenue Tunnel Lighting	7.50	85
L70701XS	Substation Renewals	27.35	86
	Subtotal	\$82.13	
Miscellaneous			
TRANTECH	Transit Technical Assistance	\$0.30	87
	Subtotal	\$0.30	
Long Island Rail Road Total		\$300.71	

ACEP ID/ Agency PIN	Program/Project Description	Estimated Federal Request(\$M)	Page
METRO-NORTH RAILROAD			
Stations			
M702-01-01	GCT Trainshed/Tunnel Structure	\$25.70	88
M702-01-02	Park Avenue Tunnel Fire and Life Safety Improvements	1.00	89
M702-01-08	Mentoring -Grand Central Terminal (GCT)	5.00	90
M702-02-02	Lower Harlem Line Station Improvements	30.50	91
M702-02-03	Upper Hudson Station Improvements	16.40	92
M702-02-04	Upper Harlem Station Improvements	20.50	93
M702-02-09	Mentoring Program - Stations	13.40	94
M702-03-01	Strategic Facilities -Upper Harlem Parking Improvements at Croton Falls	9.00	95
M702-03-02	Mentoring Program – Strategic Facilities	3.00	96
	Subtotal	\$124.50	
Track and Structures			
M703-01-04	Turnouts: Mainline/High Speed	\$14.00	97
M703-01-05	GCT Turnouts/Switch Renewal	4.70	98
M703-01-07	Rebuild Retaining Walls	5.40	99
M703-01-09	Purchase of M of W Equipment	5.50	100
M703-01-11	2018 Cyclical Track Program	24.70	101
M703-02-01	Overhead Bridge Program - East of Hudson	10.08	102
M703-02-03	Undergrade Bridge Rehab. - East of Hudson	36.70	103
M703-02-09	Harlem River Lift Bridge	8.60	104
M703-02-13	DC Substation/Signal House Roof Replacement	1.20	105
M703-02-15	Mentoring Program - Structures	3.00	106
M703-03-03	West of Hudson Undergrade Bridge Rehabilitation	8.10	107
M703-03-04	Moodna/Woodbury Viaduct (including timbers/walkways)	14.00	108
	Subtotal	\$135.98	
Communication and Signals			
M704-01-01	Network Infrastructure Replacement	\$4.60	109
M704-01-03	Positive Train Control - East of Hudson	37.30	110
	Subtotal	\$41.90	
Power			
M705-01-01	Replace Motor Alternators in Signal Substations	\$12.10	111
M705-01-02	Transformer Rehabilitation	4.20	112
M705-01-03	Replace AC Circuit Breaker/Switchgear	3.90	113
M705-01-04	Harlem and Hudson Power Rehabilitation	15.00	114
M705-01-05	Harlem and Hudson Power Improvements	9.50	115
M705-01-07	Third Rail Component Replacement	10.00	116
M705-01-08	Replace Third Rail Sectionalizing Switches	0.43	117
M705-01-10	Park Avenue Tunnel Alarm	12.00	118
M705-01-12	Mentoring Program - Power	3.00	119
	Subtotal	\$70.13	
Shops and Yards			
M706-01-05	Mentoring Program – Shops and Yards	\$10.00	120
	Subtotal	\$10.00	

ACEP ID/ Agency PIN	Program/Project Description	Estimated Federal Request(\$M)	Page
Miscellaneous			
M708-01-10	Systemwide Security Initiatives	\$11.30	121
	Subtotal	\$11.30	
Ferries			
882218	Haverstraw-Ossining Ferry	\$1.90	122
882315	Newburg-Beacon Ferry	1.40	123
	Subtotal	\$3.30	
Metro-North Rail Road Total		\$397.11	
MTA BUS			
Facilities			
U7030218	JFK Windows and Office Improvements	\$2.40	124
	Subtotal	\$2.40	
MTA Bus Total		\$2.40	
CAPITAL CONSTRUCTION COMPANY			
Miscellaneous			
G7100104	Second Avenue Subway Phase 2 - Construction Management	\$50.00	125
G7100105	Second Avenue Subway Phase 2-Project Support	20.00	126
G7100107	Second Avenue Subway Phase 2 – Preliminary Construction Utilities	260.00	127
G7110103	Penn Station Access -Construction Management	16.10	128
G7110104	Penn Station Access –Track and Structures	237.60	129
G7110105	Penn Station Access-Communication and Signals	56.30	130
G7110106	Penn Station Access –Power	106.20	131
	Subtotal	\$746.20	
MTA Capital Construction Company		\$746.20	
MTA GRAND TOTAL		\$4,100.26	

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7030206
Project Name Purchase 50 Express Buses	Planning Number / PIN SF02-2453
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to replace deficient express buses.

Units/Locations/Limits

50 buses, for use on express bus routes systemwide.

Summary

This project will purchase 50 express over-the-road buses. These buses will replace over-age and end-of-life buses, and meet modest forecast ridership growth for the period 2015-2020.

The budget for this project is \$36.56 million. This request is for \$36.56 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T5041419
Project Name Intermodal: Rockaway Parkway / Canarsie	Planning Number / PIN ST09-6022
County/Borough: Brooklyn	Zip Code 11236

Object/Purpose of Project
The purpose of this project is to improve the intermodal transfer between bus and subway services at the Rockaway Parkway Station in Brooklyn.

Units/Locations/Limits
Rockaway Parkway Bus Terminal, Canarsie Line, Brooklyn.

Summary
This project will provide improvements at the Rockaway Parkway Bus Terminal, adjacent to the Rockaway Parkway subway station on the Canarsie Line in Brooklyn. Scope will involve the construction of a bus boarding island that meets Americans with Disabilities (ADA) curb height standards, along with additional modifications to improve customer safety and efficiency of operations.

The budget for this project is \$8.35 million. This request is for \$8.35 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7040701
Project Name Replace 11 Hydraulic Elevators / Various	Planning Number / PIN MW48-1503
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to replace deficient elevators to improve reliability and accessibility.

Units/Locations/Limits

11 elevators to be replaced at the following stations: 207 Street on the 8th Avenue Line, and 34th Street on the 6th Avenue and 8th Avenue Lines in Manhattan; Flatbush Avenue and Church Avenue on the Nostrand Line in Brooklyn; and Sutphin Boulevard and Jamaica Center-Parson/Archer on the Archer Ave. Line in Queens.

Summary

This project will replace Americans with Disabilities (ADA) compliant elevators at the following seven stations to support improved safety, accessibility and reliability: 207 St on the 8th Avenue Line (Manhattan), 34th St on the 6th Avenue Line (Manhattan), 34 St on the Broadway Line (Manhattan), Church Avenue on the Nostrand Avenue Line (Brooklyn), Flatbush Avenue on the Nostrand Avenue Line (Brooklyn), Jamaica Center-Parsons/Archer on the Archer Avenue Line (Queens), and Sutphin Boulevard on the Archer Avenue Line (Queens). Work will include replacement of existing elevator cars with operating panels, electrical panels, communications system, smoke and fire detection system, and related equipment.

The budget for this project is \$41.40 million. This request is for \$41.40 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7040702
Project Name Replace 12 Traction Elevators / Broadway-7th Avenue	Planning Number / PIN MW48-1505
County/Borough: Manhattan	Zip Code 10040

Object/Purpose of Project

The purpose of this project is to replace deficient elevators to improve reliability and accessibility.

Units/Locations/Limits

12 elevators to be replaced across the following locations: 168 St, 181 St, and 191 St Stations, Broadway-7th Line, Manhattan.

Summary

This project will replace 12 Americans with Disabilities (ADA) compliant traction elevators at 168th St, 181st St, and 191st St stations on the Broadway-7th Ave line at three locations in Manhattan to support improved safety, accessibility and reliability. Work will include replacement of existing elevator cars with operating panels, electrical panels, communications system, smoke and fire detection system, and related equipment.

The budget for this project is \$44.70 million. This request is for \$44.70 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7040703
Project Name Replace 8 Traction Elevators / Various	Planning Number / PIN MW48-1506
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to replace deficient elevators to improve reliability and accessibility.

Units/Locations/Limits

8 elevators to be replaced across the following locations: Court Square Station on the Broadway Line and Clark Street Station on the Clark Street Line in Brooklyn; and Lexington Avenue-63rd Street, Roosevelt Island Stations on the East 63rd Street

Summary

This project will replace 8 Americans with Disabilities (ADA) traction elevators at the following locations to support improved safety, accessibility and reliability: Lexington Avenue-63rd St on the East 63rd Street Line (Manhattan), Roosevelt Island on the East 63rd Street Line (Manhattan), Court St on the Broadway Line (Brooklyn), and Clark St on the Clark Street Line (Brooklyn). Work will include replacement of existing elevator cars with operating panels, electrical panels, communications system, smoke and fire detection system, and related equipment.

The budget for this project is \$27.87 million. This request is for \$27.87 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7040704
Project Name Replace 6 Traction Elevators / 8 Avenue	Planning Number / PIN MW48-1507
County/Borough: Manhattan	Zip Code

Object/Purpose of Project

The purpose of this project is to replace deficient elevators to improve reliability and accessibility.

Units/Locations/Limits

6 Elevators to be replaced at the following locations: 181st Street and 190th Street Stations, 8th Avenue Line, Manhattan.

Summary

This project will replace 6 Americans with Disabilities (ADA) compliant elevators at two locations in Manhattan to support improved safety, accessibility and reliability. Work will include replacement of existing elevator cars with operating panels, electrical panels, communications system, smoke and fire detection system, and related equipment. Project will also provide Ethernet connection between status monitor and elevator and escalator control desk.

The budget for this project is \$24.30 million. This request is for \$24.30 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7040706
Project Name Replace 2 Escalators: Grand Central-42 Street / Lexington	Planning Number / PIN MW03-0095
County/Borough: Manhattan	Zip Code 10017

Object/Purpose of Project
The purpose of this project is to replace deficient escalators and stairs at 42nd Street-Grand Central Station.

Units/Locations/Limits
42nd Street-Grand Central Station, Lexington Line (IRT), Borough of Manhattan

Summary
This project will replace 2 existing escalators and adjacent stairs at Grand Central-42 Street Station on the Lexington Avenue Line in Manhattan to maintain a state of good repair. Replacement of escalators will include replacement of escalator controllers, status monitoring system, electrical panels, communications systems, Closed Circuit TV System (CCTV), smoke and fire system and related components. Project will also establish an ethernet connection between status monitors and the elevator and escalator control desk.

The budget for this project is \$13.26 million. This request is for \$13.26 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7041302
Project Name ADA: Astoria Boulevard / Astoria	Planning Number / PIN ST04-0824
County/Borough: Queens	Zip Code 11102

Object/Purpose of Project
The purpose of this project is provide Americans with Disabilities Act (ADA) accessibility at Astoria Boulevard Station on the Astoria Line in Queens.

Units/Locations/Limits
Astoria Boulevard Station, Astoria Line, Queens.

Summary
This project will provide full ADA (Americans with Disabilities Act) accessibility at the Astoria Boulevard Station on the BMT Astoria Line in the Borough of Queens. Work will include installation of 4 ADA elevators, and modification of existing platforms, stairs and fare array. This station has been identified as an ADA Key Station.

The budget for this project is \$30.65 million. This request is for \$30.65 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7041308
Project Name ADA: Chambers Street / Nassau Loop	Planning Number / PIN ST04-6476
County/Borough: Manhattan	Zip Code 10007

Object/Purpose of Project
The purpose of this project is provide Americans with Disabilities Act (ADA) accessibility at Chambers Street on the Nassau Loop in Manhattan.

Units/Locations/Limits
Chambers Street Station, Nassau Loop, Manhattan.

Summary
This project will provide full ADA (Americans with Disabilities Act) accessibility at the Chambers Street Station on the BMT Nassau Loop in the Borough of Manhattan. This station has been identified as an ADA Key Station. Work will include installation of 3 elevators, and modification of existing mezzanine, walkways and boarding areas.

The budget for this project is \$29.12 million. This request is for \$29.12 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7041309
Project Name ADA: Greenpoint Avenue / Crosstown	Planning Number / PIN ST04-0807
County/Borough: Brooklyn	Zip Code 11222

Object/Purpose of Project
The purpose of this project is to provide Americans with Disabilities Act (ADA) accessibility at Greenpoint Avenue Station on the Crosstown Line in Brooklyn.

Units/Locations/Limits
Greenpoint Avenue Station, Crosstown Line, Brooklyn.

Summary
This project will provide full ADA accessibility at Greenpoint Avenue Station on the Crosstown Line in Brooklyn. Work will include installation of 3 ADA elevators and modification to existing mezzanine, platform boarding areas and fare array. This station has been identified as an ADA Key Station.

The budget for this project is \$21.79 million. This request is for \$21.79 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7041310
Project Name ADA: 59 Street / 4th Avenue	Planning Number / PIN ST04-6958
County/Borough: Brooklyn	Zip Code 11220

Object/Purpose of Project
The purpose of this project is to provide Americans with Disabilities Act (ADA) accessibility at 59 Street Station on the 4th Avenue Line in Brooklyn.

Units/Locations/Limits
59th Street Station, 4th Avenue Line, Brooklyn.

Summary
This project will provide full ADA accessibility at 59th Street Station on the 4th Avenue Line in Brooklyn. Work will include installation of 3 ADA elevators and modification of existing mezzanine, stairs, and boarding areas. This station has been identified as an ADA Key Station.

The budget for this project is \$44.91 million. This request is for \$44.91 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7041311
Project Name ADA: Rockaway Parkway / Canarsie	Planning Number / PIN ST04-6960
County/Borough: Brooklyn	Zip Code 11236

Object/Purpose of Project
The purpose of this project is to provide Americans with Disabilities Act (ADA) accessibility at Rockaway Parkway Station on the Canarsie Line.

Units/Locations/Limits
Rockaway Parkway Station, Canarsie Line, Brooklyn.

Summary
This project will provide the final elements of ADA accessibility at the Rockaway Parkway Station. Project includes relocation of agent booths, construction of various station rooms, retrofit of platforms to extend boarding areas and include warning strips and rubbing boards, and installation of a new ADA compliant ramp and handrails.

The budget for this project is \$6.09 million. This request is for \$6.09 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7050204
Project Name Mainline Track Replacement - 2018	Planning Number / PIN MW26-6159
County/Borough: Multiple	Zip Code

Object/Purpose of Project
The purpose of this project is reconstruct segments of mainline track that have reached the end of their useful life.

Units/Locations/Limits
System-wide

Summary
This project will replace mainline track throughout the subway system. Locations will be determined by asset condition rating. Work will include the replacement of track and associated equipment and materials such as signals, contact rails, running rails, and ballast.

The budget for this project is \$176.96 million. This request is for \$176.96 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7050210
Project Name Continuous Welded Rail - 2018	Planning Number / PIN MW44-6166
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to reduce the number of broken rails in subway tracks and improve the condition of track plates and ties in subway tunnels by replacing jointed rail with welded rail.

Units/Locations/Limits

System-wide

Summary

This project consists of the removal of existing jointed rail resting on old, obsolete plates in poor condition and the installation of Continuous Welded Rail (CWR) on resilient rail fasteners in subway tracks. The work includes:

- Removal of the existing old obsolete plates and spikes in poor condition.
- Removal of existing jointed rail.
- Surface preparation of the existing ties or tie blocks, including plugging of the existing spike holes.
- Installation of new Resilient Rail Fasteners (RRF) or rolled steel plates with spring clips.
- Installation of new welded rail.
- Provision of all cable connections, track rail bonding, negative connections and feeder cables as required.
- Provision of all associated signal and equipment work.

The budget for this project is \$35.85 million. This request is for \$35.85 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7050304
Project Name Mainline Switches - 2018	Planning Number / PIN MW28-6163
County/Borough: Multiple	Zip Code

Object/Purpose of Project
The purpose of this project is to maintain a state of good repair by installing mainline track switches.

Units/Locations/Limits
System-wide

Summary
This project will replace track switches throughout the subway system. Locations will be determined by asset condition rating. Work will include replacement of existing turnouts, track switches, switch valves, connecting rails, contact rails, ties, ballast, signal cable including positive and negative connections, and any associated signal and equipment work.

The budget for this project is \$54.05 million. This request is for \$54.05 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET060312
Project Name Sandy Mitigation: Purchase of 4 Backup Generators for Pump Room	Planning Number / PIN MW19-0930
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to minimize service outages and damage from emergency events through the deployment of mobile backup generators for use in pump rooms.

Units/Locations/Limits

Diesel generators to be utilized in pump rooms systemwide.

Summary

This project will procure 4 portable backup electrical generators that will be deployed in advance of a significant flood event to provide electrical power. These generators will serve to minimize service disruptions and asset damage.

The budget for this project is \$0.68 million. This request is for \$0.68 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET060317
Project Name Sandy Resiliency: Conversion of 2 Pump Trains	Planning Number / PIN MW10-0939
County/Borough: Multiple	Zip Code

Object/Purpose of Project
The purpose of this project is to convert R110A test train passenger cars into pump trains to address the shortage of pump trains.

Units/Locations/Limits
Service vehicles will be deployable system-wide.

Summary
This project will convert R110A test train passenger cars to 2 pump trains, in order to add additional capacity for recovery after a storm surge or other flood event. During Superstorm Sandy, service fleet included only three pump trains, which was insufficient to address tunnel pumping needs system-wide. These pump trains will be utilized to pump water out of tunnels system-wide.

The budget for this project is \$16.57 million. This request is for \$16.57 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET060319
Project Name Sandy Mitigation: Department of Buses Mobile Pumps and Generators	Planning Number / PIN SF01-0960
County/Borough: Multiple	Zip Code

Object/Purpose of Project
The purpose of this project is to minimize service outages and damage from emergency events through the deployment of mobile generators and pumps.

Units/Locations/Limits
Diesel generators and pumps to be utilized systemwide.

Summary
The purpose of this project is to purchase new portable emergency diesel generators and pumps for all future emergency weather events. The generator shall be used to supply power to the local essential electrical panels, while there is a power outage or water surge to the main electrical distribution room and depot permanent generators.

The budget for this project is \$1.66 million. This request is for \$1.66 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7060506
Project Name Rehabilitate Forsyth St. Fan Plant	Planning Number / PIN MW24-2438
County/Borough: Manhattan	Zip Code 10002

Object/Purpose of Project

The purpose of this project is to bring the Forsyth St. fan plant to a state of good repair.

Units/Locations/Limits

Forsyth and Delancey Streets, Manhattan.

Summary

This project will reconstruct the ventilation facility at Forsyth and Delancey Streets in Manhattan to support safety of operations. Work will include installation of fans and related components, as well as construction of supporting infrastructure.

The budget for this project is \$93.79 million. This request is for \$93.79 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7060508
Project Name Critical Pump Room Rehabilitation	Planning Number / PIN MW19-6556
County/Borough: Multiple	Zip Code

Object/Purpose of Project
The purpose of this project is to bring critical pump rooms to a state of good repair.

Units/Locations/Limits
Critical Pump Room Repairs, Manhattan and/or Queens.

Summary
This project involves pump room rehabilitation at select locations in Manhattan and/or Queens. Work may include replacement of pump room equipment, installation of emergency backup power, and other related work. Locations to be determined based on asset condition.

The budget for this project is \$22.02 million. This request is for \$22.02 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET070309
Project Name Sandy Mitigation: Long-Term Flood Protection: Hammels Wye	Planning Number / PIN MW01-1511
County/Borough: Queens	Zip Code 11693

Object/Purpose of Project
The purpose of this project is to mitigate flood damage to Hammels Wye facility from storm surge events.

Units/Locations/Limits
Hammels Wye, Far Rockaway and Rockaway Park Lines, Queens.

Summary
This project will include various improvements at Hammels Wye facility on the Far Rockaway and Rockaway Park Lines in Queens. Work will include, but is not limited to, installation of perimeter protection to prevent flooding from storm surges and installation of protection below perimeter walls.

The budget for this project is \$2.57 million. This request is for \$2.57 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T6070316
Project Name Priority Repairs: 4th Avenue (2010-2014)	Planning Number / PIN MW50-6593
County/Borough: Brooklyn	Zip Code 11220

Object/Purpose of Project
The purpose of this project is to address critical structural component repairs on the 4th Avenue Line in Brooklyn.

Units/Locations/Limits
Between 36th Street and 59th Street Station, 4th Avenue Line, Brooklyn.

Summary
This project will rehabilitate the 1.1 mile segment of subway tunnel between 36th Street and 59th Street on the 4th Avenue Line, including replacement of columns, concrete center wall, ventilator gratings and drip pans, repair of other steel and concrete defects, and related tunnel lighting and cable work.

The budget for this project is \$29.34 million. This request is for \$29.34 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070301
Project Name Elevated Structural Rehab: White Plains Road Line	Planning Number / PIN MW64-1991
County/Borough: Bronx	Zip Code 10460

Object/Purpose of Project
The purpose of this project is to address critical structural component repairs on the White Plains Road Line in the Bronx.

Units/Locations/Limits
Elevated structure, White Plains Road Line, Bronx.

Summary
This project will rehabilitate select elevated structural components on the White Plains Road Line in the Bronx. Work may include repair/replacement of abutment, cap beams, structural steel members of elevated structure, and column bases. Locations will be determined by asset condition rating.

The budget for this project is \$19.52 million. This request is for \$19.52 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070312
Project Name Overcoat: Portal to 164 Street / Jerome	Planning Number / PIN MW62-1149
County/Borough: Bronx	Zip Code 10452

Object/Purpose of Project

The purpose of this project is to provide select structural component repairs and painting on the Jerome Line from the 157th Street Portal to 164th Street in the Bronx.

Units/Locations/Limits

Between the Portal abutment at 157th Street to 164th Street on the Jerome Line, the Bronx.

Summary

This project will repair select structural components and paint structural steel to protect against deterioration. Work may include the following: repair or replacement of priority steel components such as track girders, columns, gusset plates, or related components and overcoat painting of all structural steel components to prevent corrosion.

The budget for this project is \$10.32 million. This request is for \$10.32 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070315
Project Name Overcoat: East New York Yard & Shop Leads And Loops	Planning Number / PIN MW62-7005
County/Borough: Brooklyn	Zip Code

Object/Purpose of Project

The purpose of this project is to provide select structural component repairs and painting on the mainline and yard tracks on the Jamaica and Canarsie Lines in the vicinity of East New York Yard.

Units/Locations/Limits

Elevated structure, East New York Leads and Loops, Jamaica and Canarsie Lines, Brooklyn.

Summary

This project will repair select structural components and paint structural steel to protect against deterioration. Work may include the following: repair or replacement of priority steel components such as track girders, columns, gusset plates, or related components and overcoat painting of all structural steel components to prevent corrosion.

The budget for this project is \$26.78 million. This request is for \$26.78 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070316
Project Name Overcoat: Myrtle Line	Planning Number / PIN MW62-7006
County/Borough: Multiple	Zip Code

Object/Purpose of Project
The purpose of this project is to provide select structural component repairs and painting on the Myrtle Avenue Line in Brooklyn and Queens.

Units/Locations/Limits
Elevated structure, Myrtle Avenue Line, Brooklyn.

Summary
This project will repair select structural components and paint structural steel to protect against deterioration. Work may include the following: repair or replacement of priority steel components such as track girders, columns, gusset plates, or related components and overcoat painting of all structural steel components to prevent corrosion.

The budget for this project is \$37.90 million. This request is for \$37.90 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070317
Project Name Overcoat: Flushing Line	Planning Number / PIN MW62-1152
County/Borough: Queens	Zip Code

Object/Purpose of Project
The purpose of this project is to repair select structural component repairs and painting on the Flushing Line in Queens.

Units/Locations/Limits
Flushing Line, Queens.

Summary
This project will repair select structural components and paint structural steel to protect against deterioration. Work may include the following: repair or replacement of priority steel components such as track girders, columns, gusset plates, or related components and overcoat painting of all structural steel components to prevent corrosion.

The budget for this project is \$27.45 million. This request is for \$27.45 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070319
Project Name Line Structure Repair:(EPK, Culver, Brighton, BXC, BW)	Planning Number / PIN MW64-0845
County/Borough: Brooklyn	Zip Code

Object/Purpose of Project

The purpose of this project is to bring line structures to a state of good repair.

Units/Locations/Limits

Select structural repairs on the Concourse Line in the Bronx, on the Broadway-7th and 8th Avenue Lines in Manhattan, and on the Eastern Parkway, Culver and Brighton Lines in Brooklyn.

Summary

This project will address priority steel and concrete repairs within select areas on the Eastern Parkway, Culver and Brighton Lines in Brooklyn; on the Concourse Line in the Bronx; and on the Broadway-7th and 8th Avenue Lines in Manhattan, as part of the Line Structure Component Repair Program (LSCR), to support customer safety and service reliability. Work may include the following: repair of steel, replacement of beams and columns, and repair of cracks and leaks on the ceiling and walls with minimum disruption to passenger travel. This project is part of the 2015-2019 Line Structure Component Repair Program which will address structural defects in priority locations system-wide. (T7070323, T7070325, T7070331, T7070333)

The budget for this project is \$240.58 million. This request is for \$240.58 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070320
Project Name Structural Repair of Ventilators Between Stations / Concourse Line	Planning Number / PIN MW64-3781
County/Borough: Bronx	Zip Code 10453

Object/Purpose of Project

The purpose of this project is to bring ventilators to a state of good repair.

Units/Locations/Limits

Ventilators between 161st Street and Bedford Park Boulevard Stations, Concourse Line, Bronx.

Summary

This project will repair select vents located between 161st Street and Bedford Park Boulevard Stations on the Concourse Line in the Bronx. Work may include, but is not limited to the following: replacement of vent gratings and associated steel framing; repair of steel or concrete support beams; repair of concrete drip pans; replacement of drains and drain pipes; partial replacement of sidewalk slabs adjacent to vent bays; repair of cracked and spalled concrete; and repair/replacement of vent dampers in the vent chambers, as required.

The budget for this project is \$10 million. This request is for \$10 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7070321
Project Name Priority Repairs: 4th Avenue (2015-2019)	Planning Number / PIN MW50-6593
County/Borough: Brooklyn	Zip Code 11220

Object/Purpose of Project
The purpose of this project is to address critical structural component repairs on the 4th Avenue Line in Brooklyn.

Units/Locations/Limits
Between 36th Street and 59th Street Station, 4th Avenue Line, Brooklyn.

Summary
This project will rehabilitate the 1.1 mile segment of subway tunnel between 36th Street and 59th Street on the 4th Avenue Line, including replacement of columns, concrete center wall, ventilator gratings and drip pans, repair of other steel and concrete defects, and related tunnel lighting and cable work.

The budget for this project is \$40.00 million. This request is for \$40.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET080207
Project Name Sandy Repairs: Signals 200 St - 207 St / 8th Avenue	Planning Number / PIN MW38-0985
County/Borough: Manhattan	Zip Code 10034

Object/Purpose of Project
The purpose of this project is to replace signal components on the 8th Avenue Line between 200 and 207 Streets that were damaged in Superstorm Sandy.

Units/Locations/Limits
From 200-Dyckman Street to 207 Street Yard Portal, 8th Avenue Line, Manhattan.

Summary
This project will replace signal equipment and field cables damaged in Superstorm Sandy along 8th Avenue Line in Manhattan, between 200-Dyckman Street and 207 Street Stations to improve reliability of operations.

The budget for this project is \$43.24 million. This request is for \$43.24 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7080324
Project Name Code Cable Replacement / BW7	Planning Number / PIN MW38-1959
County/Borough: Manhattan	Zip Code

Object/Purpose of Project

The purpose of this project is to bring signal components to a state of good repair.

Units/Locations/Limits

Signal cables, 7th Avenue Line, Manhattan.

Summary

This project will replace deficient signal code cables to improve reliability and efficiency of operations.

The budget for this project is \$6.91 million. This request is for \$6.91 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7080325
Project Name Signal Room Fire Suppression, Phase 2	Planning Number / PIN SS04-2533
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to protect critical signal rooms from fire damage.

Units/Locations/Limits

Signal relay rooms in Queens, Brooklyn, and the Bronx: Van Wyck Boulevard (Queens Boulevard Line), Nostrand Avenue (Crosstown), Court Street Museum with Tower (Fulton), and 239th Street Yard (White Plains Road).

Summary

This project will furnish and install fire suppression systems in signal relay rooms at four locations, with one associated tower, and adjoining signal support rooms as applicable.

The budget for this project is \$14.12 million. This request is for \$14.12 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7080333
Project Name Avenue X Interlocking: CBTC Culver	Planning Number / PIN MW38-6185
County/Borough: Brooklyn	Zip Code 11223

Object/Purpose of Project
The purpose of this project is to upgrade the Avenue X Interlocking to achieve a state of good repair and as part of preparation for Communication Based Train Control (CBTC) overlay work on the Culver Line.

Units/Locations/Limits
Avenue X Interlocking on the Culver Line in Brooklyn.

Summary
The Avenue X Interlocking on the Culver Line will be modernized to achieve a state of good repair and to support implementation of Communication Based Train Control (CBTC). The existing interlocking will be replaced with a processor-based (solid state) signal system. Project will be coordinated with Communication Based Train Control (CBTC) Overlay on the Culver Line.

The budget for this project is \$139.72 million. This request is for \$139.72 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7080334
Project Name Cable Messenger Brackets Replacement BRT	Planning Number / PIN MW01-6924
County/Borough: Brooklyn	Zip Code

Object/Purpose of Project
The purpose of this project is to provide proper support for the weight of the existing signal messenger cables.

Units/Locations/Limits
Cable messenger brackets, Brighton Line, Brooklyn.

Summary
This project will install new cable messenger brackets in tunnel areas on the Brighton Line in Brooklyn. Hot dipped galvanized brackets and clamps and stainless steel anchors will be utilized to minimize future corrosion. Nearby water leak remediation will also be performed.

The budget for this project is \$10.00 million. This request is for \$10.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090201
Project Name Burnside Ave Substation Renewal - BXC	Planning Number / PIN PW11-2292
County/Borough: Bronx	Zip Code 10457

Object/Purpose of Project
The purpose of this project is to bring substation components to a state of good repair.

Units/Locations/Limits
Burnside Avenue Substation, Concourse Line, Bronx.

Summary
This project will address select components of the underground power substation at Burnside Avenue on the Concourse Line in the Bronx to improve the reliability of train service. Work includes replacement of rectifier unit, high tension switchgear, transformers and related equipment, and enclosure repairs.

The budget for this project is \$26.80 million. This request is for \$26.80 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090202
Project Name Avenue Z Substation Renewal / CUL	Planning Number / PIN PW11-2543
County/Borough: Brooklyn	Zip Code 11223

Object/Purpose of Project
The purpose of this project is to bring substation components to a state of good repair.

Units/Locations/Limits
Avenue Z Substation, Culver Line, Brooklyn.

Summary
This project will address select components of the above ground power substation at Avenue Z on the Culver Line in Brooklyn to improve the reliability of train service. Work includes replacement of one rectifier unit, replacement of power, battery, and control cabling and associated equipment, and enclosure repairs.

The budget for this project is \$34.60 million. This request is for \$34.60 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090204
Project Name Rehab. of Substation Roof & Enclosure: Washington Heights / 8th Ave	Planning Number / PIN PW02-2545
County/Borough: Manhattan	Zip Code 10032

Object/Purpose of Project
The purpose of this project is to bring the Washington Heights substation roof and enclosure to a state of good repair.

Units/Locations/Limits
Washington Heights substation, Manhattan.

Summary
This project will rehabilitate the Washington Heights substation roof and enclosure to ensure proper ventilation of equipment and safety of the building. Work may include, but not limited to the following: replacement of power substation and related equipment, including power distribution components, update SCADA (Supervisory Control and Data Acquisition) monitoring system, and installation of fire alarm and telephone terminal box.

The budget for this project is \$8.10 million. This request is for \$8.10 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090206
Project Name Replace High Tension Switchgear at 10 Substations	Planning Number / PIN PW03-2405
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to bring power distribution components to a state of good repair.

Units/Locations/Limits

10 Substations in the Bronx, Brooklyn, and Queens.

Summary

This project will replace high tension switchgear at 10 substations in the Bronx, Brooklyn and Queens to modernize the switchgear and to provide an adequate level of reliability for the electrical power system.

The budget for this project is \$50.04 million. This request is for \$50.04 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090211
Project Name Two New Substations:Maspeth-Humboldt St and Harrison Pl/Canarsie	Planning Number / PIN PW08-2548
County/Borough: Brooklyn	Zip Code 11211

Object/Purpose of Project
This project will construct two new substations to improve reliability of train service.

Units/Locations/Limits
Maspeth Ave - Humboldt Street and Harrison Place, Canarsie Line, Brooklyn.

Summary
This project will construct two new underground substations, one at Maspeth Ave - Humboldt Street and one at Harrison Place, to augment power capacity in support of increased train services on the Canarsie Line. (T7090222 and T7090223)

The budget for this project is \$65.50 million. This request is for \$65.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090401
Project Name Rehabilitation of Circuit Breaker House #586 / Culver Line	Planning Number / PIN MW25-1490
County/Borough: Brooklyn	Zip Code 11218

Object/Purpose of Project
The purpose of this project is to bring the circuit breaker house to a state of good repair.

Units/Locations/Limits
Circuit Breaker House #586, 18th Avenue, Culver Line, Brooklyn.

Summary
This project consists of the rehabilitation of the existing circuit breaker house at 18th Avenue on the Culver Line in Brooklyn. Work includes reconstruction of the enclosure and replacement of deficient equipment, including circuit breakers, cables and related equipment.

The budget for this project is \$14.40 million. This request is for \$14.40 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090407
Project Name Rehabilitation of Circuit Breaker House # 5 - 53rd Street	Planning Number / PIN MW25-2441
County/Borough: Manhattan	Zip Code 10019

Object/Purpose of Project
The purpose of this project is to bring the circuit breaker house to a state of good repair.

Units/Locations/Limits
Circuit Breaker House #5, 53rd Street, Broadway Line, Manhattan.

Summary
This project consists of the rehabilitation of Circuit Breaker House #5 at 53rd Street on the Broadway Line in Manhattan. Work includes repair of enclosure and replacement of deficient equipment, including circuit breakers, cables and related equipment.

The budget for this project is \$13.69 million. This request is for \$13.69 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090411
Project Name Duct Reconstruction: Stanton Street Substation / 6th Avenue	Planning Number / PIN MW25-7090
County/Borough: Manhattan	Zip Code 10002

Object/Purpose of Project

The purpose of this project is to bring power distribution components to a state of good repair.

Units/Locations/Limits

Stanton Street, 6th Avenue Line, Manhattan.

Summary

This project will reconstruct the ducts and replace positive cables between the Stanton Street substation and Bowery circuit breaker house in Manhattan to ensure the operational integrity of the substation.

The budget for this project is \$12.75 million. This request is for \$12.75 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7090415
Project Name Reconstruction of Circuit Breaker House # 392 - Flushing River Bridge	Planning Number / PIN MW25-1480
County/Borough: Queens	Zip Code 11368

Object/Purpose of Project

The purpose of this project is to bring the circuit breaker house to a state of good repair.

Units/Locations/Limits

Circuit Breaker House #392, Flushing Line, Queens.

Summary

This project consists of the reconstruction of Circuit Breaker House #392 at Flushing River Bridge in Queens, including new enclosure, circuit breakers, cables, and related equipment.

The budget for this project is \$7.65 million. This request is for \$7.65 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET100307
Project Name Sandy Mitigation: Long Term Perimeter Protection- Coney Island Yard	Planning Number / PIN MW01-0949
County/Borough: Brooklyn	Zip Code 11223

Object/Purpose of Project
The purpose of this project is to mitigate flooding of the Coney Island Yard from storm surge events.

Units/Locations/Limits
Coney Island Yard, Culver Line, Brooklyn.

Summary
This project will provide long-term mitigation measures at Coney Island Yard in Brooklyn to prevent flooding due to storm surges. Work may include, but is not limited to, measures such as construction of flood walls along the perimeter of the yard and the installation of new drainage and water detention systems.

The budget for this project is \$516.00 million. This request is for \$516.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET100309
Project Name Sandy Mitigation: Long-Term Perimeter Protection, 148 St. Yard	Planning Number / PIN MW01-0987
County/Borough: Manhattan	Zip Code 10039

Object/Purpose of Project
The purpose of this project is to mitigate flooding of the 148 Street Yard from storm surge events.

Units/Locations/Limits
148 Street Yard, Lenox Line, Manhattan.

Summary
This project will provide long-term mitigation measures at 148 Street Yard in Manhattan to prevent flooding due to storm surges. Work will include, but is not limited to, measures such as seawalls, flood walls, and watertight gates.

The budget for this project is \$103.91 million. This request is for \$103.91 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET100310
Project Name Sandy Mitigation: Long-Term Perimeter Protection, 207 St Yard	Planning Number / PIN MW01-0988
County/Borough: Manhattan	Zip Code 10034

Object/Purpose of Project
The purpose of this project is to mitigate flooding of the 207 Street Yard from storm surge events.

Units/Locations/Limits
207 Street Yard, Manhattan.

Summary
This project will provide long-term mitigation measures at 207 Street Yard in Manhattan to prevent flooding due to storm surges. Work may include, but is not limited to, measures such as seawalls, floodwalls, pumping improvements and backwater valves.

The budget for this project is \$174.08 million. This request is for \$174.08 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET100311
Project Name Sandy Mitigation: 148 Street Yard Portal	Planning Number / PIN MW09-0987
County/Borough: Manhattan	Zip Code 10039

Object/Purpose of Project
The purpose of this project is to mitigate flooding of the 148 Street Yard Portal from storm surge events.

Units/Locations/Limits
148 Street Yard Portal, Lenox Line, Manhattan.

Summary
This project will provide long-term mitigation measures at 148 Street Yard Portal to prevent flooding due to storm surges. Work may include, but is not limited to, the installation of a stoplog system and reconfiguration of trench drains.

The budget for this project is \$6.77 million. This request is for \$6.77 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ET100312
Project Name Sandy Mitigation: 207 Street Yard Portal	Planning Number / PIN MW09-0988
County/Borough: Manhattan	Zip Code 10034

Object/Purpose of Project
The purpose of this project is to mitigate flooding of yard portal from storm surge events.

Units/Locations/Limits
207 Street Yard Portal, Manhattan.

Summary
This project will provide long-term mitigation measures at the 207 St Yard Portal in Manhattan to prevent flooding due to storm surges. Work may include, but is not limited to, installation of a “fabric door” at the tunnel portals with a concrete grade crossing.

The budget for this project is \$23.11 million. This request is for \$23.11 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7100402
Project Name 207 St Maintenance and Overhaul Shop Roof & Component Repair	Planning Number / PIN MW41-2757
County/Borough: Manhattan	Zip Code 10034

Object/Purpose of Project
The purpose of this project is to repair roof and ancillary components at the 207 Street Overhaul and Maintenance Shop to achieve a state of good repair.

Units/Locations/Limits
Overhaul and Maintenance Shop at the 207 Street Yard in Manhattan.

Summary
This project consists of the replacement and repair of roof deficiencies over the maintenance facility, HVAC Shop 1, and part of the electric component shop at 207 Street Yard in Manhattan. Work will involve replacement of deficient roof components, which may include roofing, drainage, skylights, roof access hatches, gutters, parapet/exterior wall masonry, and windows. Incidental mechanical, façade, and drainage repairs are also included.

The budget for this project is \$60.00 million. This request is for \$60.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7100413
Project Name Yard Track Rehabilitation - 2018	Planning Number / PIN MW46-6169
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project will replace deteriorated yard and mainline non-revenue tracks that have reached the end of their useful life. Locations will be selected based on the latest yard track condition survey.

Units/Locations/Limits

Locations will be selected based on the most recent yard track condition survey.

Summary

The overall objective of this project is to eliminate safety hazards, maximize revenue train storage and maintenance, as well as throughput through the yards by eliminating out-of-service tracks due to their poor condition, and enhance the overall reliability of the rail rapid transit system. The work includes removal of existing ballast, ties, rails, plates, contact rail, all appurtenances, signal cables, positive/negative cable connections and associated signals and equipment and replace with new.

The budget for this project is \$2.27 million. This request is for \$2.27 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7100419
Project Name Yard Switches - 2018	Planning Number / PIN MW51-6172
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project will replace deteriorated yard switches that have reached the end of their useful life. Locations will be selected based on the latest yard switch condition survey.

Units/Locations/Limits

Locations will be selected based on the most recent yard switch condition survey.

Summary

The overall objective of this project is to eliminate safety hazards, maximize revenue train storage and maintenance, as well as throughput through the yards by eliminating out-of-service tracks due to their poor condition, and enhance the overall reliability of the rail rapid transit system.

The work includes removal of existing turnouts, switch points, crossings, ballast, ties and timbers, rails, plates, contact rail, all appurtenances, signal cables, positive/negative cable connections and associated signals and equipment including existing obsolete switch machines and replace with new,

The work will also reconnect signal cables, new switch wiring and air lines, provide all cable connections, track rail bonding, negative connections and feeder cables as required and will replace existing dipped contact rail with standard gaps where required.

The budget for this project is \$3.70 million. This request is for \$3.70 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7100428
Project Name Rehabilitate Car Cleaning Facilities	Planning Number / PIN CM14-2385
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to bring car cleaning facilities to a state of good repair.

Units/Locations/Limits

Car Cleaning Facilities, 8 Yards in Queens, Manhattan and the Bronx.

Summary

This project will rehabilitate car cleaning facilities and related components at various yards. Work may include, but not me limited to installation of new electrical distribution boards, panels, conduits and wiring, mechanical, HVAC and plumbing, replacement of water heaters, and rehabilitation/replacement of wall, floors, and doors.

The budget for this project is \$1.48 million. This request is for \$1.48 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T5120312
Project Name Replace Roof at East New York Bus Depot	Planning Number / PIN SF07-5821
County/Borough: Brooklyn	Zip Code 10473

Object/Purpose of Project
The purpose of this project is to bring the roof at East New York Bus Depot to a state of good repair.

Units/Locations/Limits
East New York Depot, Brooklyn.

Summary
This project will remove and replace the existing EPDM (ethylene propylene diene monomer) rubber roofing, insulation, flashing, scupper, pitch pockets, curbs, drains, ladders, coping and railing at East New York Bus Depot. Masonry, metal decking, carpentry, drainage, and painting will also be included.

The budget for this project is \$7.76 million. This request is for \$7.76 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7120307
Project Name Roof, Office: Fresh Pond Depot	Planning Number / PIN SF07-2463
County/Borough: Queens	Zip Code 11385

Object/Purpose of Project
The purpose of this project is to bring Fresh Pond Bus depot components to a state of good repair.

Units/Locations/Limits
Fresh Pond Bus Depot, Queens.

Summary
This project will replace the existing roof with new, white EPDM (ethylene propylene diene monomer) materials and the existing roof decking area with new metal decking at the Fresh Pond Bus Depot. In addition, rehabilitation of the existing office at the transportation building and replacement of 2 automatic fare collection machines will be included.

The budget for this project is \$25.00 million. This request is for \$25.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7120308
Project Name Paving: Manhattanville Depot [SBDP2]	Planning Number / PIN SF07-2464
County/Borough: Manhattan	Zip Code 10027

Object/Purpose of Project
The purpose of this project is to bring components at Manhattanville Depot to a state of good repair.

Units/Locations/Limits
Manhattanville Depot, Manhattan.

Summary
This project will involve re-paving of the existing parking deck area and concrete ramps, replacement of ramp sensors, related structural repairs, and replacement of compressed piping for the automatic fare collection machines. This project is part of the Small Business Development Program.

The budget for this project is \$4.68 million. This request is for \$4.68 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7120311
Project Name Office Upgrade: Zerega Consolidated Maintenance Facility [SBDP2]	Planning Number / PIN SF07-2458
County/Borough: Bronx	Zip Code 10473

Object/Purpose of Project
The purpose of this project is to keep offices at Zerega Central Maintenance Facility in a state of good repair.

Units/Locations/Limits
Zerega Central Maintenance Facility, Bronx.

Summary
This project will repair major components at Zerega Central Maintenance Facility (CMF) and Training Center and expansion of the existing mezzanine to include additional office space. This project is part of the Small Business Development Program.

The budget for this project is \$3.52 million. This request is for \$3.52 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7120408
Project Name Elevator Upgrades: Various Depots	Planning Number / PIN SF07-1641
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to bring elevators at bus depots to a state of good repair.

Units/Locations/Limits

Elevators are to be replaced at the following five bus depots: Jackie Gleason and East New York (Brooklyn), Manhattanville (Manhattan), Gun Hill (Bronx) and Casey Stengel (Queens).

Summary

This project will replace elevator cabs and related equipment in the existing elevator machine rooms at Jackie Gleason, Gun Hill, Manhattanville, Casey Stengel and East New York Bus Depots.

The budget for this project is \$13.99 million. This request is for \$13.99 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID T7120411
Project Name Oil-Water Separator: Casey Stengel Depot	Planning Number / PIN SF04-6195
County/Borough: Queens	Zip Code 11368

Object/Purpose of Project

The purpose of this project is to bring the oil-water separators to a state of good repair.

Units/Locations/Limits

Casey Stengel Bus Depot, Queens.

Summary

This project will replace existing oil-water separators at Casey Stengel Depot in Queens. Oil-water separators will be designed based on compliance with New York State regulations.

The budget for this project is \$6.62 million. This request is for \$6.62 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID ES070303
Project Name Sandy Mitigation: St. George	Planning Number / PIN SI02-1081
County/Borough: Staten Island	Zip Code 10301

Object/Purpose of Project
The purpose of this project is to mitigate damage to the St. George station terminal and employee facility from future storm surge events.

Units/Locations/Limits
St. George Terminal and Tower A Employee Facility, Staten Island Railway (SIR), Staten Island.

Summary
This project will provide long-term mitigation measures to protect from water incursion damage to existing facilities, equipment and yard operations critical to SIR service. Work may include, but not be limited to, the following: permanent flood walls, deployable barriers, improved yard drainage, pumping systems, watertight manholes, and backflow preventers.

The budget for this project is \$73.25 million. This request is for \$73.25 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency New York City Transit	ACEP ID S7070110
Project Name Rehabilitation of Amboy Road Bridge - Staten Island Railway	Planning Number / PIN SI08-2457
County/Borough: Staten Island	Zip Code 10309

Object/Purpose of Project

The purpose of this project is to bring the Amboy Road Bridge to a state of good repair.

Units/Locations/Limits

Amboy Road Bridge, North of Pleasant Plains Station, Staten Island.

Summary

This project will rehabilitate Amboy Road (Pleasant Plains) Bridge. The project will correct moderate structural deficiencies and may include, but not be limited to: steel and concrete repairs; installation or restoration of proper drainage; waterproofing the structure; and removal and replacement of track, third rail and signal equipment.

The budget for this project is \$5.14 million. This request is for \$5.14 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70204UN
Project Name Nostrand Avenue Station Rehabilitation	Planning Number / PIN
County/Borough:	Zip Code 11216

Object/Purpose of Project

The purpose of this project is to rehabilitate the existing Nostrand Avenue Station and provide ADA (Americans with Disabilities Act)-compliant accessibility to the station platforms. This station is located in Brooklyn on the Atlantic Branch, and consists of two elevated side platforms. The station is located on a viaduct and is currently not wheelchair accessible.

Units/Locations/Limits

Nostrand Avenue Station (Atlantic Branch).

Summary

Work includes replacement of the station platforms and platform substructure, railings, stairs, canopy system, station lighting, electrical and communications system, and signage, along with the installation of two new elevators and general improvements to site accessibility.

The budget for this project is \$28.10 million. This request is for \$7.10 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70204UU
Project Name Mentor Allowance - Stations	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project provides for construction contracts through the MTA's Small Business/Mentor Program in support of various Stations projects in the LIRR's 2015-2019 Capital Program. The purpose of this project is to rehabilitate multiple components at various stations. These rehabilitations will address customer safety needs and prevent further deterioration.

Units/Locations/Limits

Various LIRR stations including, but not limited to, Locust Manor, Laurelton, Huntington Station, St Albans, and East New York.

Summary

This request is for work undertaken as part of the FTA's Small Business Program. Work includes, but is not limited to, rehabilitation of multiple station components including station canopies, pedestrian overpasses, platforms, walkways and fencing, handrails, shelter sheds, platforms and stationhouses.

The budget for this project is \$22.0 million. This request is for \$22.0 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70205V1
Project Name Parking Rehabilitation	Planning Number / PIN
County/Borough: Suffolk	Zip Code 11779

Object/Purpose of Project

This project will rehabilitate the existing Ronkonkoma Parking Garage located in Ronkonkoma on the Ronkonkoma Branch. The Ronkonkoma Parking Garage is a Long Island Rail Road (LIRR) - owned commuter parking facility that was built in 1997 and is located adjacent to Ronkonkoma Station. Ronkonkoma is the end point of electrification on the LIRR's Main Line and serves as a major commuter hub for central Suffolk County. The station has over 6,000 parking spaces, including 1,038 spaces located within the Ronkonkoma Parking Garage.

Units/Locations/Limits

Ronkonkoma in Suffolk County.

Summary

Work will include, but is not limited to, rehabilitation of eroded structural steel, concrete spall repair, waterproofing sealant application to top level, painting of interior and exterior steel, replacement of staircases, and updating two elevator cars and components.

The budget for this project is \$5.0 million. This request is for \$5.0 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70301WC
Project Name 2017 Annual Track Program	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

The purpose of this project is to continue the cyclical normal replacement track program, based upon age and condition. The annual replacement needs are designed to replace segments of track before defects occur and in this way ensure reliability of service by avoiding unscheduled and/or lengthy delays due to track failure. This serves to maximize work efficiency while also minimizing impacts to customers.

Units/Locations/Limits

Work locations will include Port Washington Branch, West Hempstead Branch, Main Line, Montauk Branch, and various locations system wide. The following scope of work has been identified for the 2017 Annual Track Program:

-Mechanized Ties (31,380), Concrete Tie Installation (25,000), Switch Installation (8), Grade Crossing Renewal (12), Field Welds-Thermite welding (800 ea), Track Surfacing (72 miles), Surface Interlocking and Main Track Switches (44), Continuous Welded Rail Replacement (26,780 LF),

Summary

Major component renewal and replacements include, but are not limited to, mechanized tie installation, Continuous Welded Rail (CWR), concrete ties, switch installation, grade crossing renewal, field welds, track and switch surfacing.

The budget for this project is \$75.00 million. This request is for \$15.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70301WD
Project Name 2018 Annual Track Program	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

The purpose of this project is to continue the cyclical normal replacement track program, based upon age and condition. The annual replacement needs are designed to replace segments of track before defects occur and in this way ensure reliability of service by avoiding unscheduled and/or /lengthy delays due to track failure. This serves to maximize work efficiency while also minimizing impacts to customers.

Units/Locations/Limits

Work locations will include Atlantic Branch, Port Jefferson Branch, Montauk Branch, and various locations system wide. The following scope and quantities for the 2018 Annual Track Program reflects the project planning, to date. This may get further refined as the project planning continues: Mechanized Ties (29,280), Switch Installation (15), Grade Crossing Renewal (15 ea.), Field Welds-Thermite welding (800 ea), Track Surfacing (70 miles), Surface Interlocking and Main Track Switches (40), Field Welds, Crossings, Track Surfacing, Surface Interlocking, System Wide Continuous Welded Rail Replacement (32,000 LF).

Summary

Major component renewal and replacements include but are not limited to mechanized tie installation, switch installation, grade crossing renewal, field welds, track and switch surfacing, continuous welded rail and track surfacing.

The budget for this project is \$64.00 million. This request is for \$64.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70301WF
Project Name Right of Way Fencing	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

This project will construct high security fencing along the Long Island Rail Road (LIRR) right-of-way to enhance safety and security in the communities which the LIRR serves. The project will replace existing deteriorated fencing and/or install fencing in locations where fencing currently does not exist.

Units/Locations/Limits

LIRR Systemwide.

Summary

This project will install up to three miles of high security fencing annually, at locations to be identified based upon a listing of priority sites.

The budget for this project is \$5.20 million. This request is for \$2.88 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70301WG
Project Name Construction Equipment - Phase I	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

The purpose of this project is to procure various, new construction equipment which will support the multitude of construction projects scheduled for the 2015-2019 Capital Program. In addition, the new equipment will support regular maintenance tasks and old, outdated equipment will be replaced

Units/Locations/Limits

Systemwide.

Summary

The equipment to be purchased under this program includes, but is not limited to, concrete tie job support equipment, surfacing equipment, cranes, loaders, mechanized tie and rail equipment, snow fighting equipment, brush cutting and other miscellaneous equipment. This project may also include a rehabilitation/rebuilding of the TC-82 track inspection vehicle.

The budget for this project is \$8.10 million. This request is for \$2.60 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70301WH
Project Name Retaining Walls/Right of Way Projects	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project
This project will provide retaining wall and right-of-way improvements at locations throughout the Long Island Rail Road network.

Units/Locations/Limits
Systemwide.

Summary
The work includes replacement or upgrading of retaining wall components, including renewing/replacing or extending existing retaining walls, replacing existing deteriorated wood railroad tie walls, backfilling the structures, surfacing existing track and replacement of track shoulders. It also includes rehabilitation of culverts, including de-watering, installation of new culverts and headwalls, as well as slope and overflow protection and right-of-way and track drainage improvements.

The budget for this project is \$12.00 million. This request is for \$6.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70401BQ
Project Name Buckram Road Bridge Replacement	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

The purpose of this project is to replace the Buckram Road Bridge with a single span bridge. This will increase vertical clearance under the bridge to reduce vehicular strikes, improve vehicle line of sight angles and increase the load rating to the current requirements.

Units/Locations/Limits

Locust Valley on the Oyster Bay Branch in Nassau County.

Summary

Work includes increasing vertical clearance to reduce vehicular strikes, improving vehicle line of sight angles, and increasing the load rating to the current requirements.

The budget for this project is \$23.70 million. This request is for \$4.90 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70401BR
Project Name Post Avenue Bridge Replacement	Planning Number / PIN
County/Borough: Nassau	Zip Code

Object/Purpose of Project

The purpose of this project is to replace the Post Avenue Bridge in Westbury, Nassau County. This bridge was built in 1914 and consists of a single span, two track, steel plate girder with solid concrete deck and reinforced concrete support structures. The total bridge length is 65 feet.

Units/Locations/Limits

Post Avenue in Westbury on the Main Line in Nassau County.

Summary

This project will install soil anchors to increase bearing capacity of the bridge, repair of concrete spalls and cracks in abutments and wing walls, replace bearings and bearing seats, install new walkways along bridge girders, install new deck waterproofing and drainage systems and replace adjacent concrete staircase to accommodate the new three bay bridge spans. The existing train platform will be raised to accommodate the new bridge height. The new replacement bridge will provide increased roadway clearance, which will reduce the risk of vehicular bridge strikes and thus improve safety and train service reliability. The deteriorated timber retaining walls on the northwest side of the bridge will be replaced with concrete lagging walls to retain structural support of the track embankment.

The budget for this project is \$20.00 million. This request is for \$8.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70401BS
Project Name Bridge Waterproofing	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

This project will provide for waterproofing of various bridges. Bridge waterproofing reduces maintenance, prolongs the life of the structure, and prevents structural deterioration.

Units/Locations/Limits

Various Locations.

Summary

Work includes waterproofing various bridges which will reduce maintenance, prolong the life of the structure, and prevent structural deterioration.

The budget for this project is \$13.34 million. This request is for \$7.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency	ACEP ID
Long Island Rail Road	L70401BU
Project Name	Planning Number / PIN
Mentor Allowance - Line Structures	
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

This project will provide for painting of various bridges. Bridge painting reduces maintenance, prolongs the life of the structure, and prevents structural deterioration. The project will also rehabilitate the existing hatchway exits located along the Atlantic Avenue Tunnel in Queens and Brooklyn, as well as rehabilitate the concrete wall structure along a section of the Port Washington Branch in Queens.

Units/Locations/Limits

150th Street Bridge (Tracks 1 and 2) on the Atlantic Branch; 150th Street Bridge (North and South Bridges) on the Main Line; Guy Brewer Boulevard in Jamaica, Springfield Boulevard in Queens Village, and Gosman Avenue in Long Island City all on the Main Line; 48th Avenue in Woodside, and Flushing - Main Street on the Port Washington Branch; Union Turnpike in Glendale on the Montauk Branch. Atlantic Avenue Tunnel Hatchway is located along the Atlantic Avenue Tunnel in Queens and Brooklyn; the concrete wall structure is located along a section of the Port Washington Branch in Queens.

Summary

Work includes painting various bridges. Painting efforts advanced through this program will also improve the aesthetic qualities of the bridges and advance the railroad's overall efforts to improve the condition of bridges and viaducts, maintaining them in a state of good repair. Atlantic Avenue Tunnel Hatchway work includes replacement of the metal doors and associated components at the sidewalk level, along with rehabilitation of various structural, electrical and mechanical elements. Port Washington walls work consists of rehabilitation of the concrete wall structure along a section of the Port Washington Branch in Queens. This project will renew sections of the concrete wall / fencing structure, which are in deteriorated condition.

The budget for this project is \$23.00 million. This request is for \$10.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70401C3
Project Name Lynbrook and Rockville Centre Renewals	Planning Number / PIN
County/Borough: Nassau	Zip Code NA

Object/Purpose of Project
This project will rehabilitate the viaducts at Lynbrook and Rockville Centre, built in 1936 and 1941 respectively.

Units/Locations/Limits
Lynbrook Viaduct: located on the Babylon Branch/Long Beach Branch, in Nassau County, has 26 expansion joints and is approximately 1,887 feet long.

Rockville Centre Viaduct: located on the Babylon Branch, in Nassau County, has 20 expansion joints and is approximately 2,460 feet long.

Summary
The project will include, but is not limited to, rehabilitation of the concrete fascia, piers, cap beams, bridge parapet walls, bridge abutments, expansion joints, handrails, and drainage. Superstructure repairs at expansion joints and drainage system will also be performed.

The budget for this project is \$12.00 million. This request is for \$9.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70501SE
Project Name Communication Pole Line	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

The purpose of this project is to replace the deteriorated line poles and applicable hardware at various locations along the railroad right-of-way. These poles carry the cable lines providing communication services to the LIRR. This includes fiber optic cable (data, telephones, CCTV), signal cabling and supervisory systems, substation control lines, and assorted communication copper cables.

Units/Locations/Limits

Approximately 200 poles per year in various locations along the right-of-way.

Summary

This project includes replacing existing poles, removing old poles, removal of abandoned hazardous cable, and installation of new poles as needed to rebuild existing and failing pole lines. Ancillary hardware at locations identified by the condition assessment would also be replaced including existing deteriorated anchors, insulators, brackets, ground rods/clamps, U Guards, hand holes, c-cases, pole mounted cable boxes and all other hardware as applicable will be replaced with new line equipment.

The budget for this project is \$7.70 million. This request is for \$6.30 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70502LN
Project Name Babylon to Patchogue	Planning Number / PIN
County/Borough: Suffolk	Zip Code Multiple

Object/Purpose of Project

The purpose of this project is to renew signal control systems and equipment, including signals, cable, batteries, crossing gates, wayside and crossing case equipment between Babylon and Patchogue Interlockings. Signals enhance service reliability and safety.

Units/Locations/Limits

Babylon to Patchogue in Suffolk County.

Summary

Work includes renewing signal control systems and equipment, including signals, cable, batteries, crossing gates, wayside and crossing case equipment between Babylon and Patchogue Interlockings.

The budget for this project is \$54.70 million. This request is for \$21.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70604YJ
Project Name Mentor Allowance - Shops & Yards	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project provides for construction contracts through the MTA's Small Business/Mentor Program in support of various shops, yards and employee facilities projects in the LIRR's 2015-2019 Capital Program.

Units/Locations/Limits

Systemwide.

Summary

This request is for the construction of work undertaken as part of the FTA's Small Business Program. Work at various maintenance and repair shops, yards and employee facilities include, but are not limited to, replacement of deteriorating roofing systems, lightning protection systems, a concrete loading dock, milling and paving of driveways and walkways, new train roof access platform, HVAC systems and windows and doors.

The budget for this project is \$23.00 million. This request is for \$23.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70604YW
Project Name Rehabilitation of Employee Facilities	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project
This project will rehabilitate / replace selected building components at Long Island Rail Road (LIRR) employee facilities systemwide, in an effort to maintain these facilities in a state of good repair.

Units/Locations/Limits
Facilities which have been identified as needing investment/component replacement include, but are not limited to, Jamaica Employment Building, Finance & Administration Building (Jamaica), Atlantic Terminal Employee Facility, Babylon Yard Employee Facility, Oyster Bay Yard Employee Facility, Far Rockaway Employee Facility, Jamaica Yards, Long Beach Employee Facility, Morris Park Communications Building, Port Washington Employee Facility, Sheridan Shop, Divide Tower (Hicksville), West Side Yard, and Upper Holban Yard & Hillside Facility.

Summary
Rehabilitation or replacement includes, but is not limited to, roofs, parking lots, sidewalks, plumbing systems/restrooms, driveways, fire alarms, doors, windows, electrical systems, HVAC systems, lighting, painting, structural repairs, and stairs/ramps.

The budget for this project is \$12.00 million. This request is for \$4.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XA
Project Name Substation Replacements	Planning Number / PIN
County/Borough: Nassau/Queens	Zip Code NA

Object/Purpose of Project

This project will replace traction power substations at various Long Island Rail Road (LIRR) locations. Included in this project is the demolition/removal of existing substation buildings with their components and installation of new substation equipment in modular buildings. The existing substations at these locations have exceeded their useful lives and are in need of replacement.

Units/Locations/Limits

Various locations. Priority locations identified for replacement include: Meadowbrook, Bellmore, Murray Hill, Queens Breaker House, Ocean Avenue and Jamaica.

Summary

This project includes removing the existing switchgear, rectifiers, and transformers and demolishing the existing buildings and installing modular buildings. The modular buildings will contain new alternate current (AC) switchgear and transformers, pre-wired rectifier(s), direct current (DC) switchgear, DC breakers, control cabinets and associated equipment preinstalled. New cables will be installed to the AC switchgear and to third rail. All other associated substation component infrastructure including high tension feeders, DC cables, control cables, fiber optic cables, conduit, manholes, fire alarms, and associated equipment will be provided as necessary.

The budget for this project is \$81.00 million. This request is for \$38.80 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XC
Project Name Third Rail 2000 Million Cubic Meter (MCM) Cable	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project
This project will replace and/or upgrade aged, deteriorated and inadequate 2000 Million Cubic Meter (MCM) DC feeder and jumper cables at various locations in Long Island Rail Road's electric territory

Units/Locations/Limits
Project will replace 5,750 linear feet of duct lines and 3,500 linear feet of 2000 MCM cable.

Summary
This work includes removing old cable and installing new ducts and cable. This includes double feeds to all expansion gaps, transpositions and substation feeds.

The budget for this project is \$2.40 million. This request is for \$2.20 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XK
Project Name Signal Power Motor Generator Replacement	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project

This project provides for the replacement of signal power motor generators and associated equipment. The replacement of signal power equipment will be done at locations where the equipment has exceeded its useful life and needs to be replaced in order to maintain the supply of power to the Long Island Rail Road's (LIRR) signal system.

Units/Locations/Limits

The following locations have been identified for Signal Power Motor Generator Replacement:

- Laurelton (Atlantic Branch in Queens)
- Babylon (Babylon Branch in Suffolk County)
- Woodhaven (Atlantic Branch in Queens)
- Greenlawn (Port Jefferson Branch in Suffolk County)
- Smithtown (Port Jefferson Branch in Suffolk County)
- Port Jefferson (Port Jefferson Branch in Suffolk County)

Summary

The project plan is to remove the following existing equipment and to replace with new: motor generator (MG), motor generator programmable logic controller (PLC) control cabinets, wiring, power cables, electrically operated switches (EO's), transformers for the MG, auxiliary battery transformers and service panels. This project will also include structural refurbishing of the building including new garage doors, new entrance doors, door alarms, painting where needed, building exterior rehabilitations, exhaust fans, heaters, gutter and leader repairs, ballast installation, security cameras and high security fencing.

The budget for this project is \$6.40 million. This request is for \$2.20 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XL
Project Name Direct Current (DC) Relay Controls Replacement	Planning Number / PIN
County/Borough: Queens/Nassau	Zip Code NA

Object/Purpose of Project

This project will replace existing direct current (DC) breaker protection and auto reclose for approximately 21 DC breakers at various traction power substation locations located on the Port Washington Branch.

Units/Locations/Limits

Approximately 21 DC breakers on the Port Washington Branch.

Summary

The scope of work includes installation of multi-functional relays, programmable logic controllers, and interphase screens, as well as removal of existing relays and replacement of associated wiring.

The budget for this project is \$1.60 million. This request is for \$1.20 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XM
Project Name Signal Power Line Replacement	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project
This project will replace in-kind deteriorated 5 kilovolts (KV) power lines for the signal power system and associated line hardware at various locations along the right-of-way. The 5 KV power cables will be installed on line poles and in conduit systems at locations identified in the LIRR's asset condition inventory.

Units/Locations/Limits
Various locations throughout LIRR electrified territory including Atlantic Branch (Atlantic Terminal to Jamaica), Babylon Branch (Valley Stream to Babylon), Hempstead Branch (Floral Park to Hempstead), Main Line (Hillside to Ronkonkoma), Port Washington Branch (Woodside to Great Neck).

Summary
The work includes removing/replacing associated line hardware (switches, transformers, electrical operated switches (EO's), insulators, cross arms and control cables) in conjunction with power line replacement which have reached the end of their useful life.

The budget for this project is \$3.20 million. This request is for \$1.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XN
Project Name Power Pole Replacement	Planning Number / PIN
County/Borough: Multiple	Zip Code NA

Object/Purpose of Project
This project will remove and replace deteriorated power pole lines and applicable hardware at various locations along Long Island Rail Road's (LIRR) right-of-way.

Units/Locations/Limits
Various locations along the right-of-way.

Summary
This work includes replacing system components including poles, cross arms, insulators, brackets, ground cables and switches, and fastening and mounting hardware.

The budget for this project is \$3.20 million. The request is for \$1.38 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XP
Project Name Atlantic Avenue Tunnel Lighting	Planning Number / PIN
County/Borough: Brooklyn/Queens	Zip Code

Object/Purpose of Project
The purpose of this project is to continue the cyclical State of Good Repair (SOGR) replacement of the tunnel lighting components in the Atlantic Avenue tunnel. The program is based on a twenty five year useful life of fixtures, switchgear and wiring due to the highly corrosive environment in which they reside.

Units/Locations/Limits
Atlantic Avenue Tunnel, segments between Ralph Avenue and East New York Station in Brooklyn and Woodhaven Boulevard to Boland's Landing in Queens.

Summary
The scope of work includes replacement of all components (wire, cable, conduit, fixtures and switchgear) in tunnel segments between the Ralph Avenue and East New York Station in Brooklyn and Woodhaven Boulevard to Boland's Landing in Queens.

The budget for this project is \$12.00 million. This request is for \$7.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID L70701XS
Project Name Substation Renewals	Planning Number / PIN
County/Borough: Multiple	Zip Code 11563

Object/Purpose of Project

The purpose of this project is to restore all major components to a state of good repair, recycling as many existing assets as possible and refurbishing enclosed structures to properly support the electric fleet.

Units/Locations/Limits

Rosedale, Bellerose, Lynbrook, and St. Albans.

Summary

The project plan is to remove the following existing equipment and to replace with new. This includes alternate current (AC) switchgear components (motor operators, linkages, interlocks, control cable, wiring, conduits, wireways, pull boxes, control cabinet), rectifier transformers/rectifiers, direct current (DC) switchgear components (circuit breakers, control wirings/devices, protective relays, asbestos dividers, arc shoots, relays, contactors, control switches, indicator lights, and fuse holders). Control houses will be stripped of existing equipment and new battery system, spill containment, chargers, panel boards, load centers, and interior lighting will be installed. This project will also include structural refurbishing of the building including new garage doors, new entrance doors, painting inside and out, metal roofing/building system, penetrations/repairs, brick work, parapet/roofing, fencing, ballast, exhaust fans, door alarms and security cameras.

The budget for this project is \$38.60 million. This request is for \$27.35 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Long Island Rail Road	ACEP ID TRANTECH
Project Name Transit Technical Assistance	Planning Number / PIN
County/Borough: Nassau	Zip Code NA

Object/Purpose of Project
This project provides for the development and implementation of a comprehensive marketing campaign, directed to both employers and residents, to increase transit usage in Nassau County.

Units/Locations/Limits
Nassau County.

Summary
The marketing plan includes, but is not limited to, developing marketing materials, canvassing train stations and communities, developing promotional campaigns – including Car Free Day LI (a worldwide event each September), meeting with employers to share information, participating in local employee fairs at hospitals, colleges and at corporate offices, and delivering presentations to groups. The objective of the marketing plan is to generate awareness of transit options and pre-tax benefit savings programs (employees/employers) along with improving environmental sustainability by steadily increasing transit usage/options for employees and employers on Long Island.

The budget for this project is \$.300 million. This request is for \$.300 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-01-01
Project Name GCT Trainshed/Tunnel Structure	Planning Number / PIN
County/Borough: Manhattan	Zip Code

Object/Purpose of Project

This project will provide for the design of trainshed improvements in the Grand Central Terminal (GCT) complex, continuing priority repair work and replacement of the first superstructure segment.

Units/Locations/Limits

GCT complex consists of the terminal building plus a multi-level, subsurface trainshed spread over approximately 75 acres. Two underground train platform levels with 42 platform tracks were constructed between East 45th Street and East 51st Street, along with a 10-track approach area between East 51st and East 57th streets.

Summary

The GCT trainshed occupies an approximate area bounded by Madison and Lexington Avenues between 43rd and 50th Streets, and by Park Avenue building lines between 50th and 57th Streets. GCT includes 44 operating tracks, 47 platforms and a myriad of railroad utilities and City-owned and private utilities that support the railroad, the City and buildings above the trainshed.

The 2010-2014 Capital Program included a full consultant structural inspection, analysis and evaluation of the trainshed and platforms and also the Park Avenue Tunnel. The report of the inspection findings and assessments of the trainshed, expansion joints, platforms and tunnel prioritized the repairs most in need of proceeding. Despite investment, the trainshed continues to deteriorate because of continued water infiltration. The primary root cause of structural deterioration is exposure to water at expansion joints, ventilation gratings, curb lines, planters, utility lines and utility vaults. The way to fix is to replace much of the structure and restore leak protection.

The budget for this project is \$67.00 million. This request is for \$25.70 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-01-02
Project Name Park Avenue Tunnel Fire and Life Safety Improvements	Planning Number / PIN
County/Borough: Manhattan	Zip Code

Object/Purpose of Project

The purpose of this project is to improve the emergency lighting on the platforms, wayfinding and signage throughout the Park Avenue Tunnel and emergency exits and tunnel.

Units/Locations/Limits

Various locations throughout the Park Avenue Tunnel.

Summary

The emergency lighting will be upgraded with weather resistant, vandal resistant lighting/luminaries equipped with battery backup. In these areas a new way finding system consisting of luminescent painted walls, LED type lighting, and painted "exit" signage at both street and track side levels will be installed. An egress walkway in the gauge between the running rails will be installed at various locations throughout the tunnel. A fire standpipe at each of the three emergency exits may be installed.

The budget for this project is \$1.00 million. This request is for \$1.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-01-08
Project Name Mentoring -Grand Central Terminal (GCT)	Planning Number / PIN
County/Borough: Manhattan	Zip Code

Object/Purpose of Project
Metro-North will make investments in Grand Central Terminal as part of the MTA's Small Business Development Program (SBDP), supporting planned work to be undertaken in the 2015-2019 Capital Program. Areas of investment may include, but are not limited to, components within the Terminal, such as platform repairs, utilities, etc.

Units/Locations/Limits
Grand Central Terminal

Summary
This project makes SBDP investments in support of planned 2015-2019 Capital Program investments in Grand Central Terminal.

The budget for this project is \$5.00 million. This request is for \$5.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-02-02
Project Name Lower Harlem Line Station Improvements	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project begins a phased renewal of station components on the Harlem Line addressing those elements of stations that have outlived their useful life and show deterioration that must be addressed and/or are critical for Metro-North improved customer service.

Units/Locations/Limits

This phase includes construction work for three Harlem Line Stations: Williams Bridge, Woodlawn and Botanical Gardens.

Summary

The work includes but is not limited to rehabilitation of existing platforms with repairs such as cracks and spalls on platform surfaces, platform hammerheads and joint repairs. Additional work includes installation of new canopies and rehabilitation of existing canopy structures, rehabilitation/installation of energy efficient platform lighting, enhanced lighting and weather protection for the station platforms and walking surfaces, shelter installation, stairs and elevators, ramps, plaza area reconstruction, platform amenities and upgrade of the station electrical service. The intent of this effort is to insure customer safety, comfort and convenience.

The budget for this project is \$30.50 million. This request is for \$30.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-02-03
Project Name Upper Hudson Station Improvements	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
This project includes priority repairs at up to 6 stations on the Upper Hudson Line including Cortlandt, Garrison, Cold Spring, Beacon, New Hamburg and Poughkeepsie. The proposed project will address the most critical elements of the stations that are either in poor condition or have outlived or are expected to outlive their useful life.

Units/Locations/Limits
Up to 6 locations: Cortlandt, Garrison, Cold Spring, Beacon, New Hamburg and Poughkeepsie.

Summary
The scope of work will be informed by a condition assessment and may include repairing cracks on the surface of the platforms, repairing the bottom of the platforms, repairing the platform track edges, field edges, and repairing hammerheads or piers.

The budget for this project is \$17.50 million. This request is for \$16.40 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-02-04
Project Name Upper Harlem Station Improvements	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project will provide construction improvements to up to 18 stations on the Harlem Line and 2 stations on the New Haven Line. Improvements include repairs to platform surfaces, platform edges, platform bottoms, hammerheads/piers and staircases and other station components exhibiting deterioration needing priority repair.

Units/Locations/Limits

Priority component improvements at Southeast, Brewster, Croton Falls, Purdy's, Goldens Bridge, Katonah, Bedford Hills, Mount Kisco, Chappaqua, Pleasantville, Hawthorne, Mount Pleasant, Valhalla, North White Plains, White Plains, Hartsdale, Scarsdale, Crestwood, Larchmont and Rye.

Summary

This project includes the assessment, design and construction to remediate priority repairs at up to 18 stations on the Harlem line and 2 stations on the New Haven line. This project will address priority repairs and action items identified in the station assessments performed by a consultant in 2013 and July 2014. The focus is on completing safety critical priority repairs with the goal of extending the useful life of a number of station elements.

The budget for this project is \$22.50 million. This request is for \$20.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-02-09
Project Name Mentoring Program - Stations	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
Metro-North will make investments in outlying stations as part of the MTA's Small Business Development Program (SBDP), supporting planned work to be undertaken in the 2015-2019 Capital Program. Areas of investment may include, but are not limited to, platform surfaces, platform edges, staircases, and other station components exhibiting some deterioration needing priority repair.

Units/Locations/Limits
Select Metro-North Railroad locations systemwide

Summary
This project makes SBDP investments in support of planned 2015-2019 Capital Program investments in select outlying stations systemwide.

The budget for this project is \$15.00 million. This request is for \$13.40 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency

Metro-North Railroad

ACEP ID

M702-03-01

Project Name

Strategic Facilities -Upper Harlem Parking Impr. at Croton Falls

Planning Number / PIN**County/Borough:**

Westchester

Zip Code**Object/Purpose of Project**

The purpose of this project is to improve station access in the Croton Falls/Purdy's areas on the Upper Harlem Line. This project will design and construct a 450 space surface lot with connecting sidewalk to the existing sidewalk on the station side of the Croton Falls Road/RT 202 intersection.

Units/Locations/Limits

Croton Falls - up to 450 additional parking spaces

Summary

This project will provide improved station access and expand existing railroad parking facilities at select stations on the Upper Harlem Line in Westchester County. This project will construct up to 450 additional parking spaces for Metro-North customers that use the parking facilities at Croton Falls, Purdy's and Goldens Bridge. The project will improve safety by eliminating unsafe roadside parking for customers at these locations.

The budget for this project \$19.70 million. The request is \$9.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M702-03-02
Project Name Mentoring Program – Strategic Facilities	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
Metro-North will make investments in strategic facilities and parking as part of the MTA's Small Business Development Program (SBDP), supporting planned work to be undertaken in the 2015-2019 Capital Program. Areas of investment may include, but are not limited to, station area opportunities to improve parking facilities and rail access.

Units/Locations/Limits
Select Metro-North Railroad systemwide

Summary
This project supports planned 2015-2019 Capital Program strategic facilities investments.

The budget for this project is \$3.00 million. This request is for \$3.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-01-04
Project Name Turnouts: Mainline/High Speed	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project maintains Metro-North's turnouts in a state of good repair ensuring that interlockings do not deteriorate. This project provides for the replacement of interlocking turnouts throughout the entire Metro-North territory in New York State that are at the end of their useful life.

Units/Locations/Limits

Metro-North Railroad Systemwide

Summary

This project will provide for replacement turnouts at various locations throughout the Metro-North region. The high level of traffic on Metro North results in heavy usage of track switches causing a need for cyclical replacement and renewal. Interlockings are vital in providing the ability to move around track work, a disabled train or other operational impact. For a railroad to operate at maximum efficiency it is essential to maintain the track system (running rails, stock rail, switch point, switch machine, frog, ballast, ties, etc) in good condition. The operation of the railroad relies on switching moves through interlockings. If the ability is not there to make crossover moves, this could have an adverse effect for the safety of the passengers and reliability of the service.

At some locations this project will provide for the replacement of turnouts that are approaching the end of their useful lives with high-speed turnouts. Diverting speeds are currently limited to 45 miles per hour. Replacement with high-speed turnouts will result in constant speeds for crossover moves, reduced travel time for Metro-North customers and greater scheduling flexibility for the railroad.

The budget for this project is \$51.40 million. This request is for \$14.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-01-05
Project Name GCT Turnouts/Switch Renewal	Planning Number / PIN
County/Borough: Manhattan	Zip Code

Object/Purpose of Project
This program identifies platform tracks that need to be rehabilitated to remain in a state of good repair. The project also maintains Metro-North switches in a constant state of good repair ensuring that the terminal operation does not deteriorate due to the constant traffic in Grand Central Terminal.

Units/Locations/Limits
Various locations within Grand Central Terminal.

Summary
The high level of traffic and tight configurations within Grand Central Terminal causes accelerated wear of track switches. This project is a continuation of the annual renewal of switches within the terminal and tracks within the platform areas.

The budget for this project is \$24.90 million. This request is for \$4.70 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-01-07
Project Name Rebuild Retaining Walls	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project is for the investigation, design and construction of the rehabilitation of retaining walls located on the Hudson, Harlem and New Haven Lines. This program identifies the need for the rebuilding or replacement of stone and concrete retaining walls lying adjacent to and on the field side of the outside tracks at various places. The retaining walls throughout the Metro-North system are subject to influence by the environment and the operation of the active railroad.

Units/Locations/Limits

Retaining walls along the Hudson, Harlem and New Haven Lines in New York State and replacement of the Will Motor wall, Main Street, Port Chester NY.

Summary

All Metro-North rail lines run along embankments that are in turn supported by long stretches of retaining walls. The project includes an inventory of retaining walls along the Hudson, Harlem and New Haven Lines in New York State, design and construction of priority repairs including the replacement of the Will Motor wall, Main Street, Port Chester NY.

The budget for this project is \$7.50 million. The request is for \$5.40 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-01-09
Project Name Purchase of Maintenance of Way Equipment	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
This project provides for the annual replacement of Maintenance of Way (M of W) Equipment that have reached the end of their useful life.

Units/Locations/Limits
Various types of heavy maintenance equipment that has reached its end of useful life. This may include items such as milling machine, stabilizer, junior tamper, tie crane, backhoe with trailer, asphalt paver with trailer, industrial fork truck, hi-rail track excavator with trailer, asphalt roller with trailer, utility/work implement vehicle, shop floor cleaning machine, hammer spiker, mini loader backhoe with snow blower, and rough terrain scissor lift.

Summary
Metro North operates a fleet of M of W Equipment that is utilized to maintain it's track in a state of good repair, ensuring that the physical plant does not deteriorate.

The budget for this project is \$22.00 million. This request is for \$5.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-01-11
Project Name 2018 Cyclical Track Program	Planning Number / PIN
County/Borough:	Zip Code

Object/Purpose of Project
This program maintains Metro-North's track in a state of good repair ensuring that the physical plant does not deteriorate requiring unprogrammed replacement. This program continues the replacement program undertaken in previous Capital Programs. This project provides for the replacement of the ties and rail along with cyclical surfacing required throughout the entire Metro-North territory East of the Hudson River in New York State.

Units/Locations/Limits
Metro-North Railroad System wide.

Summary
This project provides for the replacement of the ties and rail along with cyclical surfacing required throughout the entire Metro-North territory East of Hudson River in New York State.

The budget for this project is \$24.70 million. This request is for \$24.70 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-02-01
Project Name Overhead Bridge Program - East of Hudson	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project provides for the rehabilitation or replacement of overhead bridges East of Hudson that are in critical states of repair.

Units/Locations/Limits

Bridge repairs will be included at select locations throughout the Hudson, Harlem and New Haven Lines as well as the replacement of the 3rd Ave Bridge, Mt Vernon NY.

Summary

This project is a continuation of bridge work initiated in previous capital programs. Metro-North will continue to repair or replace bridges listed in serious to critical states of repair and over 100 years old.

The budget for this project is \$52.00 million. The request is for \$10.08 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-02-03
Project Name Undergrade Bridge Rehab. - East of Hudson	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
This project will perform replacement/repair work on various bridges located on the Harlem, Hudson and New Haven Lines.

Units/Locations/Limits
Various bridges located on the Harlem, Hudson and New Haven lines including replacement of the Bridges HA61.06 and HA61.36 North of Patterson New York over the Croton River and superstructure replacement and substructure repair to the NH25.74 Willet Avenue bridge in Port Chester NY.

Summary
This project will repair and replace bridges over or supporting the railroads right-of-way which are approaching the end of their useful lives. The project is a continuation of undergrade bridge work performed in previous Capital Programs.

The budget for this project is \$56.90 million. This request is for \$36.70 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-02-09
Project Name Harlem River Lift Bridge	Planning Number / PIN
County/Borough: Bronx	Zip Code

Object/Purpose of Project
The purpose of this project is to continue the state of good repair/needs replacement investments on the Harlem River Lift Bridge.

Units/Locations/Limits
Four piers (Piers B, C, D and E) on the Harlem River Lift Bridge and at one location on the approach spans to the Bronx Side.

Summary
This project will repair four piers on the Harlem River Lift Bridge and at one location on the approach spans to the Bronx Side. The cracks on the bridge piers (Piers B, C, D and E) located in the Harlem River will be addressed.

The budget for this project is \$10.00 million. The request is for \$8.60 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-02-13
Project Name DC Substation/Signal House Roof Replacement	Planning Number / PIN
County/Borough: Systemwide	Zip Code

Object/Purpose of Project

This project provides for rebuilding and/or replacement of deteriorated roofing systems and other structural components at substations and signal houses on the Harlem, Hudson, and New Haven Lines.

Units/Locations/Limits

Various signal houses/substations on Hudson Line and Harlem Line in New York State.

Summary

Rebuilding the roofs will minimize the risk of water damage to the electrical equipment contained in the substations or the signal equipment in the signal houses. This project will maintain a dry climate for reliable and safe operation of traction and wayside signal equipment.

The budget for this project is \$5.00 million. The request is for \$1.20 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-02-15
Project Name Mentoring Program - Structures	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
Metro-North will make line structure component investments as part of the MTA's Small Business Development Program (SBDP), supporting planned work to be undertaken in the 2015-2019 Capital Program. Areas of investment will focus on structural components which are at or beyond their useful lives, or which do not meet current condition criteria.

Units/Locations/Limits
Select Metro-North Railroad locations systemwide

Summary
This project makes SBDP investments in support of planned 2015-2019 Capital Program investments in select line structures components systemwide.

The budget for this project is \$3.00 million. This request is for \$3.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-03-03
Project Name West of Hudson Undergrade Bridge Rehabilitation	Planning Number / PIN
County/Borough: Orange/Rocklan	Zip Code

Object/Purpose of Project
This project will perform replacement/repair work on various bridges located West of Hudson.

Units/Locations/Limits
Various locations on the Port Jervis line including:
JS47.53 Estrada Road - North of Harriman Station
JS47.88 Smith Clove Rd - North of Harriman Station
JS66.40 O&W Truss - Campbell Hall Station
JS62.00 Route 208 -Btwn Cornwall Salisbury & Campbell Hall
JS58.64 Toleman Rd - North of Cornwall Salisbury Mills
JS61.56 Twin Arch Rd - Btwn Cornwall Salisbury & Campbell Hall

Summary
This project will replace and/or rehabilitate bridges and various structures that are not in a state of good repair on the Port Jervis Line. There are approximately 80 undergrade bridges on the Port Jervis Line. This project provides for the continuing renewal of structures determined as priorities based on condition assessments.

The budget for this project is \$15.00 million. This request is for \$8.10 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M703-03-04
Project Name Moodna/Woodbury Viaducts (including timbers/walkways)	Planning Number / PIN
County/Borough: Orange	Zip Code

Object/Purpose of Project

The purpose of this project is to make needed repairs on two major structures – Woodbury and Moodna Viaducts – located on the Port Jervis Line.

Units/Locations/Limits

This project will provide for the tie/timber replacement of approximately 3,000 ties on the Moodna Viaduct and 600 ties on the Woodbury Viaduct.

Summary

This project will progress the rehabilitation of the Moodna and Woodbury viaducts with tie/timber replacement work.

- 50.17 JS, Woodbury Viaduct, crosses over State Route 32 and Woodbury Creek (aka Bonny Brook) and is located between Harriman Station and the Salisbury Mills/Town of Cornwall Station. It is a 559 foot long riveted steel deck girder bridge supported by steel bents, and has 10 spans.
- 55.03 JS, Moodna Viaduct, crosses over the Moodna Creek valley, Route 94 and Orrs Mills Road and Otterkill Road. It lies east of the Salisbury Mills/Town of Cornwall Station. It is a 3,200 foot long riveted steel deck girder bridge supported atop steel bents, and has 53 spans.

Priority repairs were made in the previous capital program on both viaducts. This project will continue with tie/timber replacements on both viaducts. Continued investment in the Moodna and Woodbury Viaducts ensures the continued safe operation of and uninterrupted train service on the Port Jervis Line main line service tracks connecting Hoboken - Harriman to Salisbury Mills – Cornwall and Port Jervis.

The budget for this project is \$14.00 million. This request is for \$14.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M704-01-01
Project Name Network Infrastructure Replacement	Planning Number / PIN
County/Borough: Systemwide	Zip Code

Object/Purpose of Project

This project will upgrade the fiber optic communication system infrastructure.

Units/Locations/Limits

Metro-North Railroad Systemwide

Summary

Metro-North's fiber optic communication system consists of 41 node houses serviced by a core ring, which covers the entire New Haven Line, Hudson Line, Harlem Line, Grand Central communication room, Mott Haven and Beacon Line. The current Synchronous Optical Network (SONET) is approaching the end of its useful life.

In order to meet future demands for projects such as security system upgrades along with passenger station and information upgrade projects, the next generation in Optical Transport Dense Wave Division Multiplexing (DWDM) will replace the current Synchronous Optical Network (SONET).

The budget for this project is \$31.50 million. This request is for \$4.60 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M704-01-03
Project Name Positive Train Control - East of Hudson	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

The purpose of this project is to install a new Positive Train Control (PTC) system on all Metro-North Railroad East of Hudson main-line tracks.

Units/Locations/Limits

This project specifically addresses installation of Positive Train Control on all Metro-North East of Hudson main-line tracks. Installation of a new cab signal system including Positive Train Control for the West of Hudson Port Jervis Line main-line tracks will be implemented with New Jersey Transit under a separate Capital Program project.

Summary

PTC is a system designed to prevent train-to-train collisions, over speed derailments, incursions into established work zone limits, and the movement of a train through a switch left in the wrong position. In 2008 Congress passed the Rail Safety Improvement Act of 2008 which requires, among other things, the installation of PTC on all commuter railroad main-line tracks. This effort began in the 2005-2009 Capital Program.

Metro-North will deploy a system based on Amtrak's Type Approved Advanced Civil Speed Enforcement Speed (ACSES) II as its PTC system in order to meet the FRA mandate for PTC Implementation. It will be an overlay to Metro-North's existing FRA compliant Cab Signaling System (CSS) with Automatic Train Control (ATC). In compliance with the Rail Safety Improvement Act of 2008, this system provides the additional functionality required: Temporary and permanent speed restriction enforcement, stop signal enforcement and incursions into established work zones. This project requires installation of wayside, onboard and office equipment that is interoperable with all other railroads that operate over Metro-North territory. Track Transponders, Wayside Interface Units, Data Radio System, Safety Server and Onboard Computer are some of the major components of ACSES II system. Metro-North's BL-20 locomotives already have ACSES II system installed. Metro-North's purchase of M8 fleet are being delivered with ACSES II system already installed; however there will be some modifications required on this fleet to match the final PTC system configuration.

The budget for this project is \$93.80 million. This request is for \$37.30 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-01
Project Name Replace Motor Alternators in Signal Substations	Planning Number / PIN
County/Borough:	Zip Code

Object/Purpose of Project
This project will replace the motor alternator sets at Mott Haven, Bronx NY. Work will include feeder work, reconfiguration of existing circuits and switchgear and any necessary work in resiliency.

Units/Locations/Limits
Replace motor alternator sets at Mott Haven-North, Bronx NY serving the Hudson Line and Mott Haven –East Bronx NY serving the Harlem Line.

Summary
Motor-alternator sets provide continuous 100 Hz power to the signal infrastructure. Metro-North's signal system requires alternate current (AC). power at 100 cycles per second. Although 100 Hz power is a railway signal power standard around the world used by many railways, it is not commercially available in North America because the local utility electric power grid operates 60 Hz. Motor alternator sets are therefore necessary to provide power conversion between the two different frequencies of AC power.

The budget for this project is \$15.00 million. The request is for \$12.10 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-02
Project Name Transformer Rehabilitation	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
This project will rehabilitate traction transformers and associated connecting components throughout the Hudson and Harlem lines.

Units/Locations/Limits
Hudson and Harlem Lines

Summary
The transformers in this project were installed between 1984 and 1998. They are located in each direct current (DC) traction power substation and are the main component in the traction power system. The transformers step down utility power for traction and internal substation use such as lights, heaters, and ventilation fans. Oil, windings, bushings and other internal components will be replaced as they are at the end of their useful lives.

The budget for this project is \$5.20 million. This request is for \$4.20 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-03
Project Name Replace AC Circuit Breaker/Switchgear	Planning Number / PIN
County/Borough: Westchester/Put	Zip Code

Object/Purpose of Project

This project will replace the alternating current (AC) switchgear along with the circuit breakers, grounding devices, protective relays, control relays, and associated connecting components in substations.

Units/Locations/Limits

Work will be concentrated but not be limited to the Upper Harlem Line from North White Plains to Brewster.

Summary

This project will replace the AC switchgear along with the circuit breakers, grounding devices, protective relays, control relays, and associated connecting components that have exceeded their useful lives. This equipment is used to safely distribute utility power to other components within the substation, namely the main traction transformers.

The budget for this project is \$3.90 million. This request is for \$3.90 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-04
Project Name Harlem and Hudson Power Rehabilitation	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
This project will re-design and reconfigure direct current (DC) switchgear and add pumps and pits in the splicing chambers of each traction substation throughout the electrified territory.

Units/Locations/Limits
Work will be concentrated but not be limited to the Upper Harlem Line from North White Plains to Brewster and various locations on the Hudson line.

Summary
The AC switchgear is located inside of each traction substation throughout the electrified territory. This equipment is out of date and does not conform to today's industry standards. Splicing chambers are located under this equipment and are prone to flooding.

The switchgear will be re-designed to modern computerized control and protection systems. All chambers will be retrofitted with pumps and associated drainage systems. Water rising to the base of this switchgear would stop all train movement as well as run the risk of a catastrophic failure of the equipment.

The budget for this project is \$15.00 million. This request is for \$15.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-05
Project Name Harlem and Hudson Power Improvements	Planning Number / PIN
County/Borough: Westchester	Zip Code

Object/Purpose of Project

This project is to design and construct a new substation at the "City Water" site of the Harlem Line between Chappaqua and Mount Kisco stations. The new switchgear is to maximize reliability, resiliency, and provide redundancy in case of power failure at the location.

Units/Locations/Limits

New B-35 substation between Chappaqua and Mount Kisco stations on the Harlem Line near MP35 at the "City Water" site.

Summary

The purpose of this program of work is to improve the power supply capacity and resiliency of the direct current (DC) traction power supply system on the Harlem and Hudson lines over the course of several Capital Programs by building or rebuilding a total of 9 DC traction power substations in the Harlem and Hudson territory.

This substation is needed to support service resiliency in the electrified portion of the Upper Harlem line (between North White Plains and Brewster). The new B-35 substation will be located strategically in a weaker part of the existing power supply system, approximately half way between the two existing substations (B-32 at milepost 32.2 and B-36 at milepost 36.6), providing improved resiliency and redundancy by allowing two segments to be "bridged" in case of a substation failure. In addition the new substation will have proper pumps and pits and critical equipment elevated possible to improve resiliency to flash flood conditions.

The budget for this project is \$17.90 million. The request is for \$9.50 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-07
Project Name Third Rail Component Replacement	Planning Number / PIN
County/Borough: Systemwide	Zip Code

Object/Purpose of Project
This project provides for normal replacement of third rail components at select locations on the Harlem and Hudson Lines.

Units/Locations/Limits
Select locations on the Harlem and Hudson Lines.

Summary
The project work includes the replacement of components at select locations on the third rail system that have exceeded their useful life. Due to age and normal exposure to the elements, the insulators, hook bolts, brackets and protection need to be replaced to maintain the integrity of the third rail. Replacement of this critical infrastructure is essential to maintaining reliability on the Harlem and Hudson lines. The replacement of the components of the third rail system consists of new third rail, new insulators, hook bolts, brackets and protection.

The budget for this project is \$10.00 million. This request is for \$10.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-08
Project Name Replace Third Rail Sectionalizing Switches	Planning Number / PIN
County/Borough: Systemwide	Zip Code

Object/Purpose of Project

This project will replace deteriorating, obsolete components to renew the railroads high voltage energy management infrastructure. Sectionalizing switches are used to isolate Harlem and Hudson Line third rail DC power to meet the operational needs of the railroad.

Units/Locations/Limits

Various locations on the Harlem and Hudson Lines.

Summary

The sectionalizing switches are used to manage the traction power system to optimize train movements and, therefore, contribute to on time performance. If component failure occurs, the railroad would lose the ability to sectionalize (de-energize) third rail DC traction power and AC signal power at the targeted location as intended by the high voltage energy management architecture.

The budget for this project is \$0.43 million. This request is for \$0.43 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-10
Project Name Park Avenue Tunnel Alarm	Planning Number / PIN
County/Borough: Manhattan	Zip Code

Object/Purpose of Project
The purpose of this project is to design and install a code compliant alarm system in Park Avenue Tunnel.

Units/Locations/Limits
Park Avenue Tunnel

Summary
This project will provide for the design and installation for a new system that is code compliant which will include a communications system at the alarm activation station to confirm de-energization and an indicating light to identify the alarm pull station, coordinated with the other Park Avenue Tunnel investments.

The budget for this project is \$12.00 million. This request is for \$12.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M705-01-12
Project Name Mentoring Program - Power	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project
Metro-North will make investments in power components as part of the MTA's Small Business Development Program (SBDP), supporting planned work to be undertaken in the 2015-2019 Capital Program. Areas of investment may include, but are not limited to, lighting, power facility site work, and other power components.

Units/Locations/Limits
Select Metro-North Railroad locations systemwide

Summary
This project makes SBDP investments in support of planned 2015-2019 Capital Program investments in select power assets systemwide.

The budget for this project is \$3.00 million. This request is for \$3.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M706-01-05
Project Name Mentoring Program – Shops and Yards	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

Metro-North will make investments in shop and yard components as part of the MTA's Small Business Development Program (SBDP), supporting planned work to be undertaken in the 2015-2019 Capital Program. Areas of investment may include, but are not limited to, shop/yard components which are at or beyond their useful lives and will be coordinated with work at the Harmon Shop and Yard Facility in Croton, NY.

Units/Locations/Limits

Harmon Shop and Yard Facility

Summary

This project makes SBDP investments in support of planned 2015-2019 Capital Program shop and yard investments.

The budget for this project is \$10.00 million. This request is for \$10.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID M708-01-10
Project Name Systemwide Security Initiatives	Planning Number / PIN
County/Borough: Systemwide	Zip Code

Object/Purpose of Project

The purpose of the project is to continue to invest in security initiatives throughout the railroad.

Units/Locations/Limits

Metro-North Railroad Systemwide

Summary

Public transportation facilities and operations remain a target for international and homegrown terrorists. The MTA performed a systemwide security assessment of all assets to identify vulnerable assets and identify mitigations. The findings of the project identified operational and physical mitigations for Metro-North assets.

The budget for this project is \$16.80 million. This request is for \$11.30 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID 882218
Project Name Haverstraw-Ossining Ferry	Planning Number / PIN
County/Borough: Westchester/Roc	Zip Code

Object/Purpose of Project

The Haverstraw-Ossining Ferry Service began in 2000 and since its inception it has helped to alleviate the demand for parking at the Tarrytown station and continues to ease traffic congestion over the Tappan Zee Bridge. This is particularly important during construction of the New Bridge.

Units/Locations/Limits

Ferry Service - Haverstraw/Ossining

Summary

Service began on the Haverstraw-Ossining route in 2000 with the goal of alleviating the demand for parking at the Tarrytown station and to help with traffic congestion over the Tappan Zee Bridge. This ferry saves up to 40 minutes of travel time round trip to/from New York City, and improves access to local Westchester and Bronx venues as well. The Haverstraw dock/parking facility has room for over 300 cars and is easily accessible by major roadways.

There are 16 ferry trips daily, in the AM and PM peak hours, with a Guaranteed Ride Home taxi service component in place when the ferry is not scheduled to operate. Daily ridership average is 486 customers.

The estimated operating cost for service is \$4.90 million. The request is for \$1.90 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Metro-North Railroad	ACEP ID 882315
Project Name Newburg-Beacon Ferry	Planning Number / PIN
County/Borough: Dutchess/Orang	Zip Code

Object/Purpose of Project

The Newburgh-Beacon Ferry service began in 2005 and has provided an alternative method of transportation to Metro-North's customers to and from the Beacon train station. The Ferry reduces the demand for parking at the Beacon station and helps with traffic congestion on the Newburg-Beacon Bridge and in the City of Beacon, and saves up to 40 minutes of travel time round trip to/from New York City. The Ferry also serves to advance the economic development of the region, particularly regarding waterfront development on both sides of the Hudson River.

Units/Locations/Limits

Ferry Service - Newburgh/Beacon

Summary

There are 14 trips made each weekday during the AM and PM peak periods. Daily ridership average 224 customers on the Newburgh-Beacon Ferry. The ferry saves customers up to 20 minutes per day in travel time and improves access to local communities, e.g. - Orange - Dutchess access and access to Westchester/Bronx. A Guaranteed Ride Home taxi service is in place for times when the ferry is not scheduled to operate.

The estimated operating cost for service is \$3.70 million. The request is for \$1.40 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency MTA Bus	ACEP ID U7030218
Project Name JFK Windows and Office Improvements	Planning Number / PIN SF07-6194
County/Borough: Queens	Zip Code 11434

Object/Purpose of Project
The purpose of this project is to replace all badly damaged windows and to improve and/or rehabilitate some of the office areas at the JFK Depot.

Units/Locations/Limits
JFK Depot, Jamaica N.Y.

Summary
The project will replace all windows that are badly damaged, due to prolonged wear and tear, and will perform some minor improvements/rehabilitation to some of the office areas, as needed. Replacement and/or rehabilitation will include demolition, purchase, and installation of the components.

The estimated cost of this project is \$3.00 million. This request is for \$2.40 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Capital Construction	ACEP ID G7100104
Project Name Second Avenue Subway Phase 2 - Construction Management	Planning Number / PIN
County/Borough: Manhattan	Zip Code

Object/Purpose of Project
This project will provide for consultant construction management for Second Avenue Subway Phase 2.

Units/Locations/Limits
Second Avenue, Manhattan between 96th and 125th Streets

Summary
Second Avenue Subway (SAS) Phase 2 will continue the progress on the full length of the SAS started in Phase 1 to ease congestion on the Lexington Avenue Line and improve mobility for commuters on Manhattan's East Side and throughout New York City and the metropolitan Area. Phase 2 will also provide an intermodal connection with Metro-North at the 125th and Park Avenue Station.

This project will provide for the consultant construction management (CCM) services for managing the early construction activities.

The estimated cost of this project is \$50.00 million. This request is for \$50.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Capital Construction	ACEP ID G7100105
Project Name Second Avenue Subway Phase 2-Project Support	Planning Number / PIN
County/Borough: Manhattan	Zip Code

Object/Purpose of Project
This project will provide continuing support services for the early stages of Second Avenue Subway Phase 2.

Units/Locations/Limits
Second Avenue, Manhattan between 96th and 125th Streets

Summary
Second Avenue Subway (SAS) Phase 2 will continue the progress on the full length of the SAS started in Phase 1 to ease congestion on the Lexington Avenue Line and improve mobility for commuters on Manhattan's East Side and throughout New York City and the metropolitan Area. Phase 2 will also provide an intermodal connection with Metro-North at the 125th and Park Avenue Station.

This project will provide technical, access and protection, and administrative support services to continue project development.

The estimated cost of this project is \$20.00 million. This request is for \$20.00 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency

Capital Construction

ACEP ID

G7100107

Project Name

Second Avenue Subway Phase 2 – Preliminary Construction Utilities

Planning Number / PIN**County/Borough:** Manhattan**Zip Code****Object/Purpose of Project**

This project includes the preliminary construction activities that prepare the site for the construction of the three new subway stations.

Units/Locations/Limits

Second Avenue, Manhattan between 96th and 125th Streets

Summary

Second Avenue Subway (SAS) Phase 2 will continue the progress on the full length of the SAS started in Phase 1 to ease congestion on the Lexington Avenue Line and improve mobility for commuters on Manhattan's East Side and throughout New York City and the metropolitan Area. Phase 2 will also provide an intermodal connection with Metro-North at the 125th and Park Avenue Station.

This project will provide for final design work and the early construction activities that will prepare the site for the construction of the three new subway stations. The early activities will include relocating utilities, constructing a launch box for the tunnel boring machine and the boring of the twin tunnels.

The estimated cost of this project is \$260.00 million. This request is for \$260 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Capital Construction	ACEP ID G7110103
Project Name Penn Station Access - Construction Management	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project will provide construction management services for Penn Station Access.

Units/Locations/Limits

Amtrak's Hell Gate Line, from New Rochelle, through the East Bronx, via Randalls Island, to Sunnyside, Queens, through the East river Tunnels to Penn Station in Manhattan.

Summary

Penn Station Access will connect Metro-North Railroad to Penn Station in Manhattan via Amtrak's existing Hell Gate Line (HGL). Improvements will be made along approximately 15 miles of the existing HGL Right-of-Way (ROW), including upgrade to power and signal systems, installation of new track and realignment of existing track, and reconstruction of railroad bridges to accommodate more trains. As part of the effort, 4 new stations will be constructed in the East Bronx near Co-op City, Morris Park, Parkchester/Van Nest, and Hunts Point.

This project will provide for construction management services.

The estimated cost of this project is \$16.10 million. This request is for \$16.10 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Capital Construction	ACEP ID G7110104
Project Name Penn Station Access –Track and Structures	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project will build track and structures for Penn Station Access.

Units/Locations/Limits

Amtrak's Hell Gate Line, from New Rochelle, through the East Bronx, via Randalls Island, to Sunnyside, Queens, through the East river Tunnels to Penn Station in Manhattan

Summary

Penn Station Access will connect Metro-North Railroad to Penn Station in Manhattan via Amtrak's existing Hell Gate Line (HGL). Improvements will be made along approximately 15 miles of the existing HGL Right-of-Way (ROW), including upgrade to power and signal systems, installation of new track and realignment of existing track, and reconstruction of railroad bridges to accommodate more trains. As part of the effort, 4 new stations will be constructed in the East Bronx near Co-op City, Morris Park, Parkchester/Van Nest, and Hunts Point.

This project will provide for track and structures work necessary to operate on the Hell Gate Line.

The estimated cost of this project is \$237.60 million. This request is for \$237.60 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Capital Construction	ACEP ID G7110105
Project Name Penn Station Access-Communication and Signals	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project will build communications and signals for Penn Station Access.

Units/Locations/Limits

Amtrak's Hell Gate Line, from New Rochelle, through the East Bronx, via Randalls Island, to Sunnyside, Queens, through the East river Tunnels to Penn Station in Manhattan

Summary

Penn Station Access will connect Metro-North Railroad to Penn Station in Manhattan via Amtrak's existing Hell Gate Line (HGL). Improvements will be made along approximately 15 miles of the existing HGL Right-of-Way (ROW), including upgrade to power and signal systems, installation of new track and realignment of existing track, and reconstruction of railroad bridges to accommodate more trains. As part of the effort, 4 new stations will be constructed in the East Bronx near Co-op City, Morris Park, Parkchester/Van Nest, and Hunts Point.

This project will provide for communications and signals work on the Hell Gate Line.

The estimated cost of this project is \$56.30 million. This request is for \$56.30 million.

Proposed Program of Projects Federal Fiscal Year 2018

Agency Capital Construction	ACEP ID G7110106
Project Name Penn Station Access –Power	Planning Number / PIN
County/Borough: Multiple	Zip Code

Object/Purpose of Project

This project will provide power needs for Penn Station Access.

Units/Locations/Limits

Amtrak's Hell Gate Line, from New Rochelle, through the East Bronx, via Randalls Island, to Sunnyside, Queens, through the East river Tunnels to Penn Station in Manhattan

Summary

Penn Station Access will connect Metro-North Railroad to Penn Station in Manhattan via Amtrak's existing Hell Gate Line (HGL). Improvements will be made along approximately 15 miles of the existing HGL Right-of-Way (ROW), including upgrade to power and signal systems, installation of new track and realignment of existing track, and reconstruction of railroad bridges to accommodate more trains. As part of the effort, 4 new stations will be constructed in the East Bronx near Co-op City, Morris Park, Parkchester/Van Nest, and Hunts Point.

This project will provide for new and upgraded power substations and associated work on the Hell Gate Line.

The estimated cost of this project is \$106.20 million. This request is for \$106.20 million.