METROPOLITAN TRANSPORTATION AUTHORITY (MTA)

NOTICE OF PUBLIC HEARING AND DESCRIPTION OF PROJECTS

Tuesday, August 23, 2016
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 2017

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)

(amended as of July 28, 2016)

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 2016, MTA is tentatively projected to be eligible to receive $ 619.6 million of Section 5307 funds. Of that amount, MTA expects to elect to use $ 593.0 million for NYCTA, MaBSTOA, LIRR and MNR capital projects, and MTA is expected to elect to use $26.6 million for MTA Bus projects. Full year apportionments for Federal Fiscal Year 2017 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 2016 and 2017 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 2016, MTA is tentatively projected to be eligible to receive $702.2 million of Section 5337 State of Good Repair and $22.7 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 2017 is not yet known.

B) The MTA is eligible to receive $432.0 million from the Disaster Relief Appropriations Act of 2013 (Section 5324).

C) 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, August 23, 2016

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 2016 grant and the Federal Fiscal Year 2017 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:	Popular Name:
New York City Transit Authority	MTA New York City Transit
Manhattan and Bronx Surface Transit Operating Authority	MaBSTOA
The Long Island Rail Road Company	MTA Long Island Rail Road
Metro-North Commuter Railroad Company	MTA Metro-North Railroad
Metropolitan Transportation Authority Bus Company	MTA Bus
MTA Capital Construction Company	MTA CC

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Proposed Program of Projects
Federal Fiscal Year 2017

ACEP ID/ Agency PIN	Program/Project Description		Estimated Federal Request($M)	Page
NEW YORK CITY TRANSIT				
Subway Cars				
T7010101	Purchase 940 B-Division Railcars - R211		$2,904.00	1
T7010102	Purchase 10 Open Gangway Prototype Cars (R211)		52.43	2
		Subtotal	**$2,956.43**	
Stations				
ET040317	Sandy Resiliency: Upgrade Emergency Booth Comm System (EBCS)		$69.39	3
ET040323	Sandy Resiliency: Backup Command Center Upgrade		10.00	4
ET040325	Sandy Resiliency: Internal Station Hardening		3.10	5
T5041419	Intermodal: Rockaway Parkway Bus Terminal Improvements		2.40	6
T7040704	Replace Six Traction Elevators / 8 Avenue		22.37	7
T7040706	Two Escalators: Grand Central-42 Street / Lexington		11.77	8
T7041262	Station Lighting: Eight Locations / Various (2017) [SBMP]		5.10	9
T7041301	ADA: Bedford Avenue/Canarsie		36.00	10
T7041306	ADA: Eastern Parkway-Brooklyn Museum / EPK		27.52	11
T7041307	ADA: Times Square, Phase 3 - Shuttle		235.41	12
T7041311	ADA: Rockaway Pkwy / Canarsie		5.48	13
T7041312	ADA: 1st. Avenue/Canarsie		54.40	14
T7041315	ADA: 149 Street - Grand Concourse Complex		40.50	15
T7041320	ADA: Court Square / Crosstown (Stairs Phase)		6.00	16
T7041402	Access Improvements: Grand Central, Phase 2		67.50	17
T7041404	Station Reconstruction: Times Square, Phase 3 - Shuttle		28.93	18
T7041411	New Street Stairs on Canarsie Line - 2 Locations		38.00	19
		Subtotal	**$663.88**	
Track				
T7050203	Mainline Track Replacement - 2017		$227.93	20
T7050209	Continuous Welded Rail - 2017		35.85	21
T7050303	Mainline Track Switches - 2017		65.83	22
		Subtotal	**$329.61**	
Line Equipment				
ET060317	Sandy Resiliency: Conversion of 2 Pump Trains		$11.60	23
T7060503	Replace Supervisory Vent Controls – 2 Locations		4.82	24
T7060505	Rehabilitate Fan Plant Damper System - Various Locations		56.86	25
		Subtotal	**$73.28**	
Line Structures				
ET070209	Sandy Repairs: Rockaway Line Wrap-Up		$30.00	26
ET0703	Sandy Resiliency: Steinway Portal (9 Stns Bk/Q Initiative)		18.00	27
T7070303	Structural Rehab: Livonia Yard Overpass & Retaining Wall		14.45	28
T7070305	Structural Repair (Over-land Sections) - RKY		18.00	29
T7070310	Overcoat: 17 Bridges & East 180 Street Flyover / Dyre Av		22.90	30

Proposed Program of Projects
Federal Fiscal Year 2017

ACEP ID/ Agency PIN	Program/Project Description		Estimated Federal Request($M)	Page
T7070311	Overcoat: Williamsburg Bridge - Myrtle Ave / JAM		32.06	31
T7070313	Overcoat: 72 Street - 103 Street / Flushing		31.92	32
T7070314	Overcoat: Myrtle Av - DeSales Pl /JAM		44.76	33
T7070319	Line Structure Repair Program: Downtown Manhattan		58.31	34
		Subtotal	**$270.39**	
Signals and Communications				
T7080306	Install Automatic Signals for Work Trains /CNR		$4.30	35
T7080307	Ditmas Interlocking: Culver		113.91	36
T7080335	Two Interlockings: 30 St. and 42 St. North/ 8Ave		241.38	37
T7080333	Ave X Interlocking: CBTC Culver		142.39	38
T7080609	Communication Room Upgrade and Expansion Ph 2		22.50	39
T7080619	Comm. Room Upgrade and Expansion Ph 2 [SBDP]		22.50	40
		Subtotal	**$546.98**	
Power				
ET0903	Sandy Resiliency: Hardening of Substations - 11 Locations - Brooklyn		$44.40	41
ET0903	Sandy Resiliency: Hardening of Substations - Five Locations - Manhattan, Queens, & Brooklyn		22.50	42
ET090304	Sandy Resiliency: Montague-Furman Substation / BWY		10.00	43
ET090307	Sandy Resiliency: Hardening of 12 Substations - Manhattan and Queens		38.50	44
ET090308	Sandy Resiliency: Deployable Substations		28.70	45
T7090203	Central Substation Renewal Including New Rectifier / 6AV		34.68	46
T7090210	Installation of Low-Resistance Contact Rail - Canarsie Tube		19.26	47
T7090403	Circuit Breaker House # 210 - (239th Street / WPR)		27.84	48
T7090404	Circuit Breaker House # 86 Wilson Avenue / Canarsie		2.00	49
T7090406	Circuit Breaker House # 85 - Myrtle Avenue		14.53	50
		Subtotal	**$242.41**	
Shops				
T7100401	DCE Shop Components, Ph 1:180 St, C.I., Pelham, Pelham Diesel		$23.47	51
T7100402	207 St Maintenance and Overhaul Shop Roof and Component Replacement		56.70	52
T7100412	Yard Track Rehabilitation - 2017		2.30	53
T7100418	Yard Switches - 2017		3.70	54
		Subtotal	**$86.17**	
Depots				
T7120301	East New York Depot - Modifications for Articulated Buses		$10.30	55
T7120302	Gun Hill Depot Component: Roof		11.04	56
T7120303	Queens Village Depot Component: Roof and HVAC		32.92	57
T7120401	Replace Six Bus Washers at Three Depots [SBMP] Tier 2		8.70	58
		Subtotal	**$62.96**	

Proposed Program of Projects
Federal Fiscal Year 2017

ACEP ID/ Agency PIN	Program/Project Description		Estimated Federal Request($M)	Page
Miscellaneous				
ET160310	Sandy Resiliency: Consolidated Revenue Facility		$29.60	59
ET160311	Sandy Resiliency: Zerega Central Maintenance Facility		31.30	60
ET160312	Sandy Resiliency: Tiffany Central Warehouse - Bronx		39.60	61
T7160601	Fire Alarm System Replacement at Three Bus Depots		24.78	62
		Subtotal	**$125.28**	
Staten Island Railway				
S7070101	Purchase 75 Staten Island Railway (SIR) Passenger Railcars - R211		$231.70	63
S7070103	Staten Island Railway (SIR) Mainline Track Rehabilitation		15.66	64
		Subtotal	**$247.36**	
		New York City Transit Total	**$5,604.75**	
LONG ISLAND RAILROAD				
Stations				
L70204UG	Mets Willets Point Station		$46.60	65
L70204UJ	Enhanced Station Initiatives		20.00	66
L70204UQ	Babylon Station Platform Replacement		38.90	67
L70204UX	Hunterspoint Avenue Station Renewal		22.10	68
L70206VR	Penn Station Complex Improvements		7.00	69
		Subtotal	**$134.60**	
Track				
L70301WC	2017 Annual Track Program		$60.00	70
L70301WG	Construction Equipment		15.50	71
		Subtotal	**$75.50**	
Line Structures				
L70401BQ	Bridge Program		$66.00	72
L70401BR	Main Line Bridge Component Renewals		47.80	73
		Subtotal	**$113.80**	
Communications and Signals				
L70501SN	Penn Station Radio Retrofit/East River Tunnel Antenna		$1.10	74
L70502LK	Positive Train Control (PTC)		126.00	75
		Subtotal	**$127.10**	
Shops and Yards				
L70701XA	Substation Replacements		$63.50	76
L70701XK	Signal Power Motor Generator Replacement		4.40	77
L70701XS	Substation Renewals		27.35	78
		Subtotal	**$95.25**	

Proposed Program of Projects
Federal Fiscal Year 2017

ACEP ID/ Agency PIN	Program/Project Description	Estimated Federal Request($M)	Page
Miscellaneous			
TRANTECH	Transit Technical Assistance	$0.30	79
	Subtotal	**$0.30**	
	Long Island Rail Road Total	**$546.55**	
METRO-NORTH RAILROAD			
Stations			
M702-01-02	Park Av Tunnel Fire and Life Safety Improvements	$1.00	80
M702-01-03	GCT Platform Rehabilitation	1.20	81
M702-01-08	Mentoring -Grand Central Terminal (GCT)	5.00	82
M702-02-01	Harlem - 125th Street Station Improvements	2.00	83
M702-02-02	Lower Harlem Line Station Improvements	30.55	84
M702-02-03	Upper Hudson Station Improvements	17.50	85
M702-02-04	Upper Harlem Station Improvements	22.50	86
M702-02-07	Customer Communication	31.50	87
M702-02-09	Mentoring Program - Stations	10.00	88
M702-03-01	Strategic Facilities	19.70	89
M702-03-02	Mentoring Program – Strategic Facilities	1.00	90
	Subtotal	**$141.95**	
Track and Structures			
M603-02-12	Overhead Bridge Program E of H- 14th Ave Bridge Replacement	$7.50	91
M703-01-01	Cyclical Track Program	23.90	92
M703-01-02	Cyclical Replacement Insulated Joint	0.40	93
M703-01-04	Turnouts: Mainline/High Speed	12.90	94
M703-01-05	GCT Turnouts/Switch Renewal	4.60	95
M703-01-06	Turnouts - Yard/Sidings	1.88	96
M703-01-09	Purchase of Maintenance of Way (MoW) Equipment	12.00	97
M703-02-02	Bridge Preservation Program	0.75	98
M703-02-03	Undergrade Bridge Rehab. - East of Hudson	11.20	99
M703-02-05	Park Avenue Direct Fixation	1.25	100
M703-02-08	Replace Timbers - Undergrade Bridges	1.20	101
M703-02-09	Harlem River Lift Bridge	9.00	102
M703-02-11	Right of Way Fencing	1.00	103
M703-02-13	DC Substation/Signal House Roof Replacement	1.20	104
M703-02-15	Mentoring Program - Structures	3.00	105
M703-03-03	West of Hudson Undergrade Bridge Rehabilitation	4.60	106
M703-03-04	Moodna/Woodbury Viaduct (timbers/walkways)	14.00	107
	Subtotal	**$110.38**	

Proposed Program of Projects
Federal Fiscal Year 2017

ACEP ID/ Agency PIN	Program/Project Description		Estimated Federal Request($M)	Page
Communication and Signals				
M704-01-01	Network Infrastructure Replacement		$21.00	108
M704-01-02	Harmon to Poughkeepsie Signal System		40.00	109
M704-01-03	Positive Train Control - East of Hudson		39.80	110
M704-01-04	Replace Signal Office Equipment/SCADA		3.50	111
M704-01-07	Replace High Cycle Relays		0.50	112
M704-01-09	Fire Suppression Systems		0.75	113
		Subtotal	**$105.55**	
Power				
M705-01-02	Transformer Rehabilitation		$0.68	114
M705-01-03	Replace AC Circuit Breaker/Switchgear		0.70	115
M705-01-04	Harlem and Hudson Power Rehabilitation		15.00	116
M705-01-05	Harlem and Hudson Power Improvements		9.60	117
M705-01-07	Third Rail Component Replacement		15.00	118
M705-01-08	Replace Third Rail Sectionalizing Switches		0.43	119
M705-01-10	Park Avenue Tunnel Alarm		1.50	120
M705-01-11	Park Avenue Tunnel Lighting		0.50	121
M705-01-12	Mentoring Program - Power		3.00	122
		Subtotal	**$46.41**	
Shops and Yards				
M706-01-02	Harmon Wheel True Improvements		$2.00	123
M706-01-05	Mentoring Program – Shops and Yards		10.00	124
		Subtotal	**$12.00**	
Miscellaneous				
M708-01-06	Program Administration		$11.00	125
M708-01-10	Systemwide Security Initatives		8.97	126
		Subtotal	**$19.97**	
Ferries				
882218	Haverstraw-Ossining Ferry		$1.90	127
882315	Newburg-Beacon Ferry		1.50	128
		Subtotal	**$3.40**	
		Metro-North Rail Road Total	**$439.66**	
MTA BUS				
Facilities				
U6030211	New HVAC - Spring Creek and College Point Depots		$9.90	129
U7030201	53 Articulated Buses		38.48	130
U7030202	257 Express Buses		156.88	131
U7030209	Rehabilitation and Facility Upgrade - College Point Depot		7.62	132
U7030213	Chassis Wash and Oil-Water Separator - Eastchester Depot		2.00	133
U7030214	Non-Revenue Service Vehicles		2.87	134
		Subtotal	**$217.74**	
		MTA Bus Total	**$217.74**	

Proposed Program of Projects
Federal Fiscal Year 2017

ACEP ID/ Agency PIN	Program/Project Description	Estimated Federal Request($M)	Page
CAPITAL CONSTRUCTION COMPANY			
Miscellaneous			
G7100101	Second Avenue Subway Phase 2 - Preliminary Engineering	$135.00	135
G7100105	Second Avenue Subway Phase 2 - Project Support	20.00	136
G7100198	Second Avenue Subway Phase 2 - Real Estate	40.00	137
	Subtotal	**$195.00**	
	MTA Capital Construction Company	**$195.00**	
	MTA GRAND TOTAL	**$7,003.70**	

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7010101
Project Name	**Planning Number / PIN**
Purchase 940 B-Division Railcars - R211	CM09-6891

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will replace 752 existing 75-foot B-Division railcars, which will reach the end of their useful life in 2017, with 940 new 60-foot railcars.

Units/Locations/Limits

940 60 foot cars for operation on the A, F, and R Lines on the B-Division.

Summary

Replacement of 752 75-foot R46 cars, currently in operation on the A, F and R Lines of the B-Division, with 940 new 60-foot railcars. The R46 fleet was built from 1975-1978 and will reach the end of their useful lives in 2017. Design features will incorporate state of the art systems, including components to enable integration with Communication Based Train Control (CBTC) and compliance with both EPA and ADA requirements.

The budget for this project is $2,904.00 million This request is for $2,904.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7010102
Project Name	**Planning Number / PIN**
Purchase 10 Open Gangway Prototype Cars (R211)	CM09-6891

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will procure 10 prototype 60-foot railcars with open gangways to study the feasibility for the next generation subway car design.

Units/Locations/Limits

System-wide

Summary

This project will evaluate open gangway railcars for the next B-Division railcar procurement. Open gangways allow for railcars to connect seamlessly to adjoining cars, thereby providing for additional ridership capacity. Design features will incorporate the same state of the art systems as the rest of the R211 fleet, including components to enable integration with Communication Based Train Control (CBTC) and compliance with both EPA and ADA requirements, but will also include open gangways. This project is part of the R211 procurement project.

The budget for this project is $52.43 million. This request is for $52.43 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET040317
Project Name	**Planning Number / PIN**
Sandy Resiliency: Upgrade Emergency Booth Comm System (EBCS)	ST01-1460

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will provide a robust system that will provide fast and reliable emergency communications between the Rail Control Center and station agents.

Units/Locations/Limits

Installation of the EBCS/Mass Call system will be in all station Agent Booth locations.

Summary

This project will upgrade the Emergency Booth Communication System (EBCS) and Mass Call emergency safety system in all station agent booth locations across the subway system to incorporate flood mitigation improvements. This system will provide an Internet Protocol (IP) based voice and data solution, touch screen technology, modern hardware and operating systems, and superior system logging and database functions, in addition to call routing capabilities, which will greatly improve EBCS system reliability.

The budget for this project is $69.39 million. This request is for $69.39 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET040323
Project Name	**Planning Number / PIN**
Sandy Resiliency: Backup Command Center Upgrade	TR01-6187

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will design and install equipment to support key communications systems, including the existing Automatic Train Supervision - A Division, Communication Based Train Control and Help Point.

Units/Locations/Limits

Backup Command Center, downtown Brooklyn.

Summary

This project will enable the Backup Command Center to support critical communications systems and related servers in the event of an emergency situation where the Rail Control Center is rendered unusable or inaccessible. These systems include Automatic Train Supervision - A Division (ATS-A), Communication Based Train Control (CBTC), and Help Point (HP).

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET040325
Project Name	**Planning Number / PIN**
Sandy Resiliency: Internal Station Hardening	ST01-4327

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will protect vulnerable critical rooms located in flood prone stations from damage in future storm surge events.

Units/Locations/Limits

Selected flood prone stations in the boroughs of Manhattan, Queens and Brooklyn.

Summary

This project will provide protection of vulnerable critical rooms located in select flood prone stations from future storm surge events. Water infiltration protection methods may include, but are not limited to, sealing of conduit penetrations, relocation of vents, addition of watertight or marine doors, installation of drains and drain valves, elevation of equipment, or other means, as necessary.

The budget for this project is $3.10 million. This request is for $3.10 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T5041419
Project Name	**Planning Number / PIN**
Intermodal: Rockaway Parkway Bus Terminal Improvements	ST09-6022

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

The purpose of this project is to improve 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 supports 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. Work will be coordinated with ADA project at adjacent subway station.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7040704
Project Name	**Planning Number / PIN**
Replace Six Traction Elevators / 8 Avenue	MW48-1507

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will replace deficient elevators to improve reliability and accessibility.

Units/Locations/Limits

181st Street and 190th Street Stations, 8th Avenue Line, Manhattan.

Summary

This project will replace six 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 $22.37 million. This request is for $22.37 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7040706
Project Name	**Planning Number / PIN**
Two Escalators: Grand Central-42 Street / Lexington	MW03-0095

County/Borough: Manhattan **Zip Code** 10017

Object/Purpose of Project

This project will replace deficient escalators and stairs.

Units/Locations/Limits

42nd Street-Grand Central Station, Lexington Line (lRT), Borough of Manhattan

Summary

This project will replace two 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, 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 $11.77 million. This request is for $11.77 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041262
Project Name	**Planning Number / PIN**
Station Lighting: Eight Locations / Various (2017) [SBMP]	ST21-3743

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will replace deficient lighting at eight locations, including five in Manhattan and three in Brooklyn.

Units/Locations/Limits

-Canal St Station, Nassau St Line, Manhattan
-Chambers St Station, Nassau St Line, Manhattan
-Union Sq. Station, Canarsie Line, Manhattan
-Wilson Ave Station, Canarsie Line, Brooklyn
-Grand St Station, 6AV Line, Manhattan
-Delancey St Station (IND), 6AV Line, Manhattan

Summary

This project will replace station lighting components at eight locations in Manhattan and Brooklyn. Work will include replacement of deficient normal and emergency lighting fixtures in the mezzanine, platform, and/or stair areas of these stations. Incandescent and fluorescent lighting fixtures with conditions that qualify for replacement will be upgraded to vandal-resistant LED fixtures. This project is part of the Small Business Mentoring Program.

The budget for this project is $5.10 million. This request is for $5.10 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041301
Project Name	**Planning Number / PIN**
ADA: Bedford Avenue/Canarsie	ST04-0810

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will provide ADA (Americans with Disabilities Act) vertical accessibility at Bedford Avenue Station on the Canarsie Line.

Units/Locations/Limits

Bedford Avenue Station, Canarsie Line, Brooklyn.

Summary

This project will provide ADA vertical accessibility at Bedford Avenue Station on the Canarsie Line. Work will include installation of two ADA compliant elevators and associated components, as well as, modification of ancillary areas.

The budget for this project is $36.00 million. This request is for $36.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041306
Project Name	**Planning Number / PIN**
ADA: Eastern Parkway-Brooklyn Museum / EPK	ST04-0826

County/Borough: Brooklyn **Zip Code** 11238

Object/Purpose of Project

This project will provide Americans with Disabilities Act (ADA) accessibility at Eastern Parkway-Brooklyn Museum on the Eastern Parkway Line.

Units/Locations/Limits

Brooklyn Museum-Eastern Parkway Station, Eastern Parkway Line, Borough of Brooklyn.

Summary

This project will provide full ADA accessibility at the Eastern Parkway-Brooklyn Museum Station on the Eastern Parkway Line in Brooklyn. Work will include installation of three elevators, widening of an existing stairway, expansion of mezzanine, expansion of platform in areas adjacent to platform stairs, expansion of boarding areas, and installation of platform warning strips and rubbing boards.

The budget for this project is $27.53 million. This request is for $27.53 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041307
Project Name	**Planning Number / PIN**
ADA: Times Square, Phase 3 - Shuttle	ST04-0861

County/Borough: Manhattan **Zip Code** 10036

Object/Purpose of Project

This project will provide Americans with Disabilities Act (ADA) accessibility at Times Square Station on the 42nd Street Shuttle Line. To be coordinated with rehabilitation project at station.

Units/Locations/Limits

Times Square Station, 42nd St Shuttle, Manhattan.

Summary

This project will modify and extend the platform to comply with Americans with Disabilities Act (ADA) requirements. The station will be reconfigured from three-track to two-track shuttle operations for six-car trains and addition of second means of egress at east end of platform to mitigate congestion and provide a connection to the 6th Avenue Line. Project also includes modifications at Grand Central-42 St to accommodate the new shuttle operation. Additional station reconfiguration options will be explored during design. To be coordinated with reconstruction project at station.

The budget for this project is $235.41 million. This request is for $235.41 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041311
Project Name	**Planning Number / PIN**
ADA: Rockaway Pkwy / Canarsie	ST04-6960

County/Borough: Brooklyn **Zip Code** 11236

Object/Purpose of Project

This project will 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 new ADA compliant ramp and handrails. To be coordinated with an intermodal bus project at the station.

The budget for this project is $5.48 million. This request is for $5.48 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041312
Project Name	**Planning Number / PIN**
ADA: 1st. Avenue/Canarsie	ST04-3484

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will provide ADA (Americans with Disabilities Act) vertical accessibility at 1st Avenue Station on the Canarsie Line.

Units/Locations/Limits

1st Avenue Station, Canarsie Line, Manhattan.

Summary

This project will provide ADA vertical accessibility at 1st Avenue Station on the Canarsie Line. Work will include installation of two ADA compliant elevators and associated components, modification of ancillary areas, and installation of three new street stairs.

The budget for this project is $54.40 million. This request is for $54.40 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041315
Project Name	**Planning Number / PIN**
ADA: 149 Street - Grand Concourse Complex	ST04-4710

County/Borough: Bronx **Zip Code**

Object/Purpose of Project

This project will provide Americans with Disabilities Act (ADA) accessibility at 149th St-Grand Concourse Complex on the Jerome and White Plains Road Lines.

Units/Locations/Limits

149th Street-Grand Concourse Complex, Jerome and White Plains Road Lines, Bronx.

Summary

This project will provide full ADA accessibility at the 149 St-Grand Concourse Complex on the Jerome Avenue and White Plains Road Lines in the Bronx. Work may include modification of any of the following: platforms, gates, agent booth windows, handrails, Customer Information Screens, public toilets, as well as ramps and elevators, as needed.

The budget for this project is $40.50 million. This request is for $40.50 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041320
Project Name	**Planning Number / PIN**
ADA: Court Square / Crosstown (Stairs Phase)	ST04-1639

County/Borough: Queens **Zip Code** 11101

Object/Purpose of Project

To provide Americans with Disabilities Act (ADA) accessibility at Court Square Station on the Crosstown Line (G), through augmentation of stairs and platform areas.

Units/Locations/Limits

Court Square Station, Crosstown Line (G), Queens.

Summary

This project is the first of two phases to provide full ADA accessibility at the Court Square Station on the Crosstown Line in Queens. This phase will include enhancement of platform stair capacity, including the addition of two new platform stairs, widening of two existing platform stairs, shifting an existing platform staircase, and removal of temporary refuse room at platform level. Phase two will include elevator installation at same location.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041402
Project Name	**Planning Number / PIN**
Access Improvements: Grand Central, Phase 2	ST01-0862

County/Borough: Manhattan **Zip Code** 10017

Object/Purpose of Project

This project will address deficient platform components and mitigate congestion throughout the station.

Units/Locations/Limits

Grand Central Station, Manhattan.

Summary

This project will increase ingress/egress capacity to address both current congestion and future congestion issues anticipated at the completion of Long Island Rail Road (LIRR) East Side Access and transit-oriented development projects near Grand Central Terminal. Work will involve retrofit and reconfiguration of existing facilities, including upgrades to the main mezzanine, serving the Lexington Avenue Line.

The budget for this project is $67.50 million. This request is for $67.50 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041411
Project Name	**Planning Number / PIN**
New Street Stairs on Canarsie Line - 2 Locations	ST01-0810

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will construct new street stairs at 1st Avenue and Bedford Avenue Stations to improve station access and to provide additional ingress/egress capacity.

Units/Locations/Limits

1st Avenue and Bedford Avenue Stations, Canarsie Line, Brooklyn and Manhattan

Summary

This project will construct six additional street stairs at 1st Avenue and Bedford Avenue Stations on the Canarsie Line in Brooklyn and Manahattan to increase ingress/egress capacity in compliance with National Fire Protection Association guidance. Two additional street stairs will be constructed at 1st Avenue Station at the new ADA entrances, two will be constructed on Bedford Avenue at Bedford Avenue Station, and two will be constructed, in conjunction with mezzanine modification, on Driggs Avenue at Bedford Avenue Station.

The budget for this project is $38.00 million. This request is for $38.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7041404
Project Name	**Planning Number / PIN**
Station Reconstruction: Times Square, Phase 3 - Shuttle	ST02-0861

County/Borough: Manhattan **Zip Code** 10036

Object/Purpose of Project

This project will rehabilitate Times Square Station on the 42nd Street Shuttle Line to address deficient platform components and mitigate congestion. This is the final phase of the reconstruction of the Times Square Station complex.

Units/Locations/Limits

Times Square Station, 42nd St Shuttle, Manhattan.

Summary

This project will rehabilitate Times Square Station on the 42nd Street Shuttle Line, inclusive of congestion mitigation measures. Work will include installation of a wider stairway from the shuttle mezzanine to street level, installation of new Control Area on the shuttle mezzanine/bottom of stairway and removal of about 21 columns. Project will be coordinated with ADA project at station, which will include replacement of deficient components and reconfiguration of station to mitigate congestion.

The budget for this project is $28.93 million. This request is for $28.93 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7050203
Project Name	**Planning Number / PIN**
Mainline Track Replacement - 2017	MW26-6158

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will 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 $227.93 million. This request is for $227.93 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7050209
Project Name	**Planning Number / PIN**
Continuous Welded Rail - 2017	MW44-6165

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will 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 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 2017

Agency	ACEP ID
New York City Transit	T7050303
Project Name	**Planning Number / PIN**
Mainline Track Switches - 2017	MW28-6162

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will maintain a state of good repair by installing mainline track switches using NYCT in-house forces.

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 $65.83 million. This request is for $65.83 million.

Proposed Program of Projects
Federal Fiscal Year 2017

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

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will convert R110A test train passenger cars into pump trains to address the shortage of pump trains, as experienced during Superstorm Sandy.

Units/Locations/Limits

Service vehicles will be deployable system-wide.

Summary

R110A test train passenger cars will be converted to two 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 $11.60 million. This request is for $11.60 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7060503
Project Name	**Planning Number / PIN**
Replace Supervisory Vent Controls – 2 Locations	MW24-2566

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will replace deficient supervisory vent control systems at two critical fan plant locations on the Canarsie Line in Brooklyn and Manhattan to improve operations, reduce maintenance costs, and extend useful life.

Units/Locations/Limits

North 7th Street and Avenue D Fan Plants, Canarsie Line, Brooklyn and Manhattan.

Summary

This project will replace supervisory vent control systems and associated components at North 7th Street and Avenue D Fan Plants on the Canarsie Line in Brooklyn and Manhattan. Work may include, but will not be limited to, replacement of the following components: telephone terminal boxes, fire extinguishers, sound powered telephone jacks, control/electrical equipment, as well as, cables and wires, as necessary.

The budget for this project is $4.82 million. This request is for $4.82 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7060505
Project Name	**Planning Number / PIN**
Rehabilitate Fan Plant Damper System - Various Locations	MW24-2567

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will replace deficient fan dampers at critical fan plant locations throughout the system to improve operations, reduce maintenance costs, and extend useful life.

Units/Locations/Limits

19 locations throughout Brooklyn, Manhattan and Queens, determined by condition ratings.

Summary

This project will inspect, repair, renovate and replace the damper systems and associated components at 19 locations throughout Brooklyn, Manhattan and Queens. Work will include, but not be limited to, repair and replacement of dampers, installation of new stainless steel Telephone Terminal Box, installation of new fire extinguisher, as well as replacement of existing conduits, wires, damper control/power circuit wires, relays and fuses in the Supervisory Control Cabinet. Dampers are a critical component that control airflow for ventilation plants.

The budget for this project is $56.86 million. This request is for $56.86 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET070209
Project Name	**Planning Number / PIN**
Sandy Repairs: Rockaway Line Wrap-Up	MW01-2723

County/Borough: Queens **Zip Code**

Object/Purpose of Project

This project will repair or replace assets on the Rockaway Line that were damaged during Superstorm Sandy.

Units/Locations/Limits

Rockaway Line, Queens.

Summary

This project will make repairs along the Rockaway Line to address damage resulting from Superstorm Sandy. Work may include structural repairs, fence/gate work, cable replacement, and various electrical repairs.

The budget for this project is $30.00 million. This request is for $30.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET0703
Project Name	**Planning Number / PIN**
Sandy Resiliency: Steinway Portal (9 Stns Bk/Q Initiative)	MW22-6144
County/Borough: Queens	**Zip Code**

Object/Purpose of Project

This project will construct a tunnel portal protection system along Hunters Point Portal, between Hunters Point Avenue and Court Square Stations, on the Flushing Line in Queens, to protect against flooding in a Category 2 Level hurricane.

Units/Locations/Limits

Between Hunters Point Avenue and Court Square Stations in Queens on the Flushing Line.

Summary

This project will protect tunnel systems, equipment, and underground station on the Flushing Line from inundation from future storm surge events.

The budget for this project is $18.00 million This request is for $18.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7070303
Project Name	**Planning Number / PIN**
Structural Rehab: Livonia Yard Overpass & Retaining Wall	MW64-1992

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will repair concrete retaining and abutment walls surrounding the Livonia Car Maintenance Facility as well as the repair of steel and concrete at Linden Boulevard Overpass.

Units/Locations/Limits

The retaining walls in the vicinity of Livonia Car Maintenance Facility locatedalong the following streets: Hegeman Avenue, Linden Boulevard, Stanley Avenue, Linwood Street and Elton Street in the Borough of Brooklyn.The overpass to be repaired is located above Linden Boulevard roadway and sidewalks.

Summary

This project will address the retaining walls and overpass at Livonia Yard to maintain a state of good repair. Work will include repair of deteriorated and spalling concrete, crack repair, replacement of sections of retaining wall and façade beams, repair of structural steel beams and columns at overpass, concrete deck repairs, and drainage improvements in Livonia Yard.

The budget for this project is $14.45 million. This request is for $14.45 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7070305
Project Name	**Planning Number / PIN**
Structural Repair (Over-land Sections) - RKY	MW64-3775

County/Borough: Queens **Zip Code**

Object/Purpose of Project

This project will rehabilitate the closed deck elevated structure from Hammels Wye to Far Rockaway and Rockaway Park on the Rockaway Line in Queens.

Units/Locations/Limits

Line structure components along the following segments of the Rockaway Line in Queens:
-Hammels Wye to Mott Avenue
-Hammels Wye to Rockaway Park

Summary

This project will address deteriorated structural and water infiltration elements to achieve a state of good repair. Work may include repair of concrete and reinforcement of longitudinal girders and duct banks.

The budget for this project is $18.00 million. This request is for $18.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7070310
Project Name	**Planning Number / PIN**
Overcoat: 17 Bridges & East 180 Street Flyover/Dyre Av	MW62-4318

County/Borough: Bronx **Zip Code**

Object/Purpose of Project

This project will provide overcoat painting at East 180th St Yard and 17 Bridges along the Dyre Line in the Bronx, along with select structural repairs along the Dyre Avenue Line.

Units/Locations/Limits

The flyover at East 180th Street Yard and 17 bridges along the Dyre Avenue Line in the Bronx.

Summary

This project will refresh paint coating to protect bridges and elevated structures against structural deterioration. Paint helps to extend the life of structural components by preventing corrosion and related deterioration.

The budget for this project is $22.90 million. This request is for $22.90 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7070311
Project Name	**Planning Number / PIN**
Overcoat: Williamsburg Bridge - Myrtle Ave / JAM	MW62-7004

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project involves select structural component repairs and painting of the section of elevated structure on the Jamaica Line from Williamsburg Bridge to Myrtle Avenue Station in Brooklyn.

Units/Locations/Limits

From Broadway Junction/East New York to Myrtle Avenue Station along the Jamaica Line in Brooklyn.

Summary

This project will repair select deficient structural components and to refresh paint coating to protect structures against structural 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 and track-level structures to prevent corrosion.

The budget for this project is $32.06 million. This request is for $32.06 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7070313
Project Name	**Planning Number / PIN**
Overcoat: 72 Street - 103 Street / Flushing	MW62-7002

County/Borough: Queens **Zip Code**

Object/Purpose of Project

This project involves select structural component repairs and painting on the Flushing Line from 72nd Street to 103rd Street in Queens.

Units/Locations/Limits

From 72nd Street to 103rd Street on the Flushing Line in the Borough of Queens.

Summary

This project will repair select deficient structural components and to refresh paint coating to protect structures against structural 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 and track-level structures to prevent corrosion.

The budget for this project is $31.92 million. This request is for $31.92 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7070314
Project Name	**Planning Number / PIN**
Overcoat: Myrtle Av - DeSales Pl /JAM	MW62-7003

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project involves select structural component repairs and painting of elevated line structure along two miles of the Jamaica Line, from Myrtle Avenue Station to De Sales Place.

Units/Locations/Limits

Elevated structure along the Jamaica Line in Brooklyn, between Myrtle Avenue Station and De Sales Place.

Summary

This project will repair select deficient structural components and refresh paint coating to protect structures against structural 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 and track-level structures to prevent corrosion.

The budget for this project is $44.76 million. This request is for $44.76 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7070319
Project Name	**Planning Number / PIN**
Line Structure Repair Program: Downtown Manhattan	MW64-0845

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will perform component repair of structural defects in select tunnel segments in downtown Manhattan.

Units/Locations/Limits

Select underground tunnel segments on the Broadway, Canarsie and 8th Avenue Lines in Manhattan.

Summary

This project will address high-priority structural defects within select areas in downtown Manhattan 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.

The budget for this project is $58.31 million. This request is for $58.31 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7080306
Project Name	**Planning Number / PIN**
Install Automatic Signals for Work Trains /CNR	MW38-1319

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will expedite movement of work trains between Bedford Avenue Station and Myrtle-Wyckoff Avenues Station through the addition of new automatic signals between these interlockings.

Units/Locations/Limits

Between Bedford Avenue Station and Myrtle-Wyckoff Avenues Station, Canarsie Line, Brooklyn.

Summary

This project will provide additional automatic signals between Bedford Avenue Station and Myrtle-Wyckoff Avenues Station on the Canarsie Line to reduce headway for work trains traveling on the line. Improved efficiency in work train movements will help to minimize their contribution to delays to passenger service.

The budget for this project is $4.30 million. This request is for $4.30 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7080307
Project Name	**Planning Number / PIN**
Ditmas Interlocking: Culver	MW38-6185

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will upgrade the Ditmas Avenue 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

Ditmas Interlocking, Culver Line, Brooklyn.

Summary

The Ditmas Avenue 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 a project to all Communication Based Train Control (CBTC) Overlay on the Culver Line.

The budget for this project is $113.91 million. This request is for $113.91 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7080335
Project Name	**Planning Number / PIN**
2 Interlockings: 30 St. and 42 St. North/ 8Ave	MW38-1806

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will upgrade two interlockings to achieve a state of good repair in coordination with the Communication Based Train Control (CBTC) overlay on the 8 Avenue Line from south of 59th St Interlocking in Manhattan to High St. Station in Brooklyn.

Units/Locations/Limits

-30 St Interlocking, 8 Avenue Line, Manhattan
-42 St Interlocking, 8 Avenue Line, Manhattan

Summary

This project will modernize the 30 St and 42nd St North Interlockings on the 8th Avenue Line to achieve a state of good repair and to support implementation of Communication Based Train Control (CBTC). The existing interlockings will be replaced with a processor-based (solid state) signal system. This project will be coordinated with Communication Based Train Control (CBTC) on the 8 Avenue Line from south of 59th Street Interlocking in Manhattan to High St. Station in Brooklyn.

The budget for this project is $241.38 million. This request is for $241.38 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7080333
Project Name	**Planning Number / PIN**
Ave X Interlocking: CBTC Culver	MW38-6185

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will 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. This interlocking is currently part of the Culver Yard Interlocking, but under this upgrade Avenue X will be split out as a separate interlocking. Project will be coordinated with Communication Based Train Control (CBTC) Overlay on the Culver Line.

The budget for this project is $142.39 million. This request is for $142.39 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7080609
Project Name	**Planning Number / PIN**
Communication Room Upgrade and Expansion Ph 2	ST18-7127

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will enable uninterrupted operation of the communication network through the repair and replacement of deficient components in communication rooms. This project supports state of good repair, as well as improvement of customer and employee safety.

Units/Locations/Limits

Communications rooms at various stations system-wide. Locations determined based on asset condition rating.

Summary

This project supports phase two of the upgrade of priority communication rooms system-wide. Work may include heating, ventilation and air conditioning work, waterproofing and repair of existing water damage, or expansion of communications rooms to provide adequate space for ongoing and future system installations. Locations and scope to be determined based on asset condition rating.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7080619
Project Name	**Planning Number / PIN**
Comm Room Upgrade and Expansion Ph 2 [SBDP]	ST18-7127

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will enable uninterrupted operation of the communication network through the repair and replacement of deficient components in communication rooms. This project supports state of good repair, as well as improvement of customer and employee safety.

Units/Locations/Limits

Communications rooms at various stations system-wide. Locations determined based on asset condition rating.

Summary

This project supports the upgrade of priority communication rooms system-wide and may include Heating, Ventilation and Air Conditioning work, waterproofing and repair of existing water damage, or expansion of communications rooms to provide adequate space for ongoing and future system installations. This project is a potential candidate for Small Business Mentoring Program or Small Business Federal Program and is part of Phase 2 of the Communication Room Upgrade and Expansion Project. Locations and scope to be determined based on asset condition rating.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET0903
Project Name	**Planning Number / PIN**
Sandy Resiliency: Hardening of Substations - 11 Locations - Brooklyn	PW01-3825

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will mitigate 11 substations in Brooklyn from damage in future storm surge events.

Units/Locations/Limits

11 substations in flood prone areas of Brooklyn.

Summary

This project will provide resiliency improvements to 11 substations in the borough of Brooklyn to protect assets from significant damage in a storm surge event and to enable for rapid restoration of service.

The budget for this project is $44.40 million. This request is for $44.40 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET0903
Project Name	**Planning Number / PIN**
Sandy Resiliency: Hardening of Substations - Five Locations - Manhat	PW01-3825

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will mitigate substations in Manhattan, Brooklyn and Queens from damage in future storm surge events.

Units/Locations/Limits

Five substations in flood prone areas of Manhattan, Brooklyn and Queens.

Summary

This project will provide resiliency improvements to five substations in the boroughs of Manhattan, Brooklyn and Queens to protect assets from significant damage in a storm surge event and to enable for rapid restoration of service.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET090304
Project Name	**Planning Number / PIN**
Sandy Resiliency: Montague-Furman Substation / BWY	PW03-1297

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will mitigate a substation associated with the Montague Tube from damage in future storm surge events.

Units/Locations/Limits

Traction power substation at 1 Furman Street in Brooklyn on the Broadway Line.

Summary

This project will Incorporate new flood mitigation standards for substation located at 1 Furman Street (Brooklyn) on the Broadway Line to protect against damage from future storm surge events. Elements to be determined during design phase.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET090307
Project Name	**Planning Number / PIN**
Sandy Resiliency: Hardening of 12 Substations - Manhattan and Quee	PW01-3825

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will mitigate 12 substations in Manhattan and Queens from damage in future storm surge events.

Units/Locations/Limits

12 substations in flood prone areas of Manhattan and Queens.

Summary

This project will provide resiliency improvements to 12 substations in the boroughs of Manhattan and Queens to protect assets from significant damage in a storm surge event and to enable for rapid restoration of service.

The budget for this project is $38.50 million. This request is for $38.50 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET090308
Project Name	**Planning Number / PIN**
Sandy Resiliency: Deployable Substations	PW01-3824

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will entail the acquisition of mobile substations that could be deployed in the event that a permanent substation is out of service, in order to maintain continuity of subway service.

Units/Locations/Limits

4 mobile substations will be deployable system-wide.

Summary

This project will design, procure and assemble four mobile substation units, split across three different configurations, to substitute for a permanent substation that is out-of-service, in order to maintain power necessary for regular subway operations. These substations will be designed to provide sufficient power to replace any substation in the NYCT traction power network and to integrate with any substation enclosure. Procurement of these mobile substations will improve construction flexibility, while minimizing customer impact.

The budget for this project is $28.70 million. This request is for $28.70 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7090203
Project Name	**Planning Number / PIN**
Central Substation Renewal Including New Rectifier / 6AV	PW11-2544

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will improve reliability of train service, by furnishing adequate traction power along the right of way.

Units/Locations/Limits

Central Substation, 6 Av Line, Manhattan.

Summary

This project will provide renewal of a central substation on 53rd Street between 6th and 7th Avenues in Manhattan. Work will include the installation of an additional rectifier, relocation of new direct current lineup and control panels from basement to main floor, and installation of a new forced ventilation system.

The budget for this project is $34.68 million. This request is for $34.68 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7090210
Project Name	**Planning Number / PIN**
Installation of Low-Resistance Contact Rail - Canarsie Tube	MW11-3766

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will improve traction power elements for operation with Communication Based Train Control on the Canarsie Line.

Units/Locations/Limits

Third rail along right of way within the Canarsie Tube (Canarsie Line).

Summary

This project consists of the replacement of existing third rail within the Canarsie Tube, between Manhattan and Brooklyn. Installation of low-resistance contact rail, in concert with other power system improvements, will help maintain sufficient levels of power to support smooth service under Communications Based Train Control (CBTC), enabling the operation of 22 trains per hour to be run on the Canarsie Line.

The budget for this project is $19.26 million. This request is for $19.26 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7090403
Project Name	**Planning Number / PIN**
Circuit Breaker House # 210 - (239th Street / WPR)	MW25-2440

County/Borough: Bronx **Zip Code**

Object/Purpose of Project

This project will bring Circuit Breaker House #210 to a state of good repair and support service reliability.

Units/Locations/Limits

Circuit Breaker House #210, 239 St, White Plains Road Line, Bronx.

Summary

This project consists of the replacement of Circuit Breaker House #210 at 239th Street Yard on the White Plains Road Line in the Bronx. Work will involve construction of a new circuit breaker house, including installation of new circuit breakers, new power cables, cable terminal box, battery distribution box and related controls.

The budget for this project is $27.84 million. This request is for $27.84 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7090404
Project Name	**Planning Number / PIN**
Circuit Breaker House # 86 Wilson Avenue / Canarsie	MW25-6992

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will bring Circuit Breaker House #86 to a state of good repair and support service reliability.

Units/Locations/Limits

Circuit Breaker House #86, Wilson Avenue Station, Canarsie Line, Brooklyn.

Summary

This project consists of the rehabilitation of Circuit Breaker House # 86, Wilson Avenue in the Borough of Brooklyn. Work involves replacement of deficient equipment, including circuit breaker and appurtenances, power and control cables, terminal boxes and other related equipment.

The budget for this project is $2.00 million. This request is for $2.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7090406
Project Name	**Planning Number / PIN**
Circuit Breaker House # 85 - Myrtle Avenue	MW25-1470

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will bring Circuit Breaker House #85 to a state of good repair and support service reliability.

Units/Locations/Limits

Circuit Breaker House #85, Myrtle Avenue Station, Canarsie Line, Brooklyn.

Summary

This project consists of the rehabilitation of Circuit Breaker House #85 and ancillary equipment at Myrtle Avenue Station in the Borough of Brooklyn. Work will include replacement of existing circuit breaker house, circuit breakers, cables and other related equipment.

The budget for this project is $14.53 million. This request is for $14.53 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7100401
Project Name	**Planning Number / PIN**
DCE Shop Components, Ph 1:180 St, C.I., Pelham, Pelham Diesel	CM03-2380

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will replace deficient components at Department of Car Equipment (DCE) Facilities, as identified by asset condition ratings.

Units/Locations/Limits

-180th Street Maintenance Facility
-Coney Island Complex
-Pelham Maintenance Facility
-Pelham Diesel Facility

Summary

This project consists of the rehabilitation of high-priority deficient components from various shops at 180th St Maintenance Facility, Coney Island Complex and Pelham Maintenance and Diesel Facilities. Work includes repair or replacement of heating, ventilation, and air conditioning components at all locations, upgrade of electrical supply distribution systems at Pelham Maintenance Facility and elimination of leaks in glycol piping at 180th Street Maintenance Facility.

The budget for this project is $23.47 million. This request is for $23.47 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7100402
Project Name	**Planning Number / PIN**
207 St Maintenance and Overhaul Shop Roof and Component Replac	MW41-2757

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will repair roof and ancillary components at the 207th Street Overhaul and Maintenance Shop to achieve a state of good repair.

Units/Locations/Limits

Overhaul and Maintenance Shop at the 207th 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 207th 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 $56.70 million. This request is for $56.70 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7100412
Project Name	**Planning Number / PIN**
Yard Track Rehabilitation - 2017	MW46-6168

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 performed by Track Engineering.

Summary

The goal of the In-House Yard and Mainline Non-Revenue Tracks reconstruction program is to achieve a state of good repair (SGR) by the year 2034. The overall objective 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.
-Cleaning and preparation of the roadbed.
-Installation of new ballast, ties, rolled steel plates, contact rail and all appurtenances as required.
-Installation of new rail and emergency protection rail where required.
-Provide all cable connections, trail rail bonding, negative connections and feeder cables as required.
-Provide all associated signal and equipment work.

The budget for this project is $2.30 million. This request is for $2.30 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7100418
Project Name	**Planning Number / PIN**
Yard Switches - 2017	MW51-6171

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 performed by Track Engineering.

Summary

The goal of the In-House Yard Switch reconstruction program is to achieve a state of good repair (SGR) of yard switches by the year 2034. The overall objective 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 (stone or concrete), 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.
-Cleaning and preparation of the roadbed.
-Furnishing, delivery and installation of new turnouts, switch points, housetops, crossings, ballast (stone and concrete), ties and timbers, steel plates with Pandrol clips, contact rail and all appurtenances as required.
-Installation of new switch machines, reconnect signal cables, new switch wiring and air lines.
-Provide all cable connections, track rail bonding, negative connections and feeder cables as required.
-Provide all associated signal and equipment work.
-Replacement of 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 2017

Agency	ACEP ID
New York City Transit	T7120301
Project Name	**Planning Number / PIN**
East New York Depot - Modifications for Articulated Buses	SF07-0569

County/Borough: Brooklyn **Zip Code**

Object/Purpose of Project

This project will create additional capacity at East New York Bus Depot for new articulated buses.

Units/Locations/Limits

East New York Bus Depot, Brooklyn.

Summary

This project consists of the modification and rehabilitation of interior depot spaces on first floor of East New York Bus Depot to accommodate new articulated buses.

The budget for this project is $10.30 million. This request is for $10.30 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7120302
Project Name	**Planning Number / PIN**
Gun Hill Depot Component: Roof	SF07-2459

County/Borough: Bronx **Zip Code**

Object/Purpose of Project

This project will replace the deficient roof which is past its useful life.

Units/Locations/Limits

Gun Hill Bus Depot, Bronx.

Summary

This project consists of the replacement of the existing roof with new roof at the Gun Hill Bus Depot. Work will include replacement of roof with new white rubber membrane roof (Ethylene Propylene Diene Monomer), replacement of roof drains and piping, and replacement of damaged storm drains. New roofing material is durable and energy efficient, which will save on long-term capital and operations costs by extending the useful life of the roof and by reducing air conditioning costs.

The budget for this project is $11.04 million. This request is for $11.04 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7120303
Project Name	**Planning Number / PIN**
Queens Village Depot Component: Roof and HVAC	SF07-2460

County/Borough: Queens **Zip Code**

Object/Purpose of Project

This project will replace deficient heating, ventilation and air conditioning (HVAC) system and roof. The HVAC system no longer provides adequate ventilation and the roof is leaking in a number of areas.

Units/Locations/Limits

Queens Village Bus Depot, Queens.

Summary

This project consists of the replacement of deficient depot equipment and rehabilitation of facility at Queens Village Bus Depot in Queens. Work will include replacement of existing heating, ventilation and air conditioning (HVAC) system with energy efficient system and replacement of the over-age roof with new Ethylene Propylene Diene Monomer (EPDM) roof membrane. This new roofing material is durable and energy efficient, which will save on long-term capital and operations costs by extending the useful life of the roof and reducing air conditioning costs.

The budget for this project is $32.92 million. This request is for $32.92 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7120401
Project Name	**Planning Number / PIN**
Replace Six Bus Washers at 3 Depots [SBMP] Tier 2	SF08-1653

County/Borough: Multiple **Zip Code** 11232

Object/Purpose of Project

This project will replace six deficient bus washers at three bus depots.

Units/Locations/Limits

Two Bus Washers, Jackie Gleason Bus Depot, Brooklyn.
Two Bus Washers, Fresh Pond Bus Depot, Queens.
Two Bus Washers, Queens Village Bus Depot, Queens

Summary

This project will replace six Bus Washers located at the Jackie Gleason Bus Depot in the borough of Brooklyn, the Fresh Pond Bus Depot in the borough of Queens, and the Queens Village Bus Depot in the borough of Queens. Three separate Small Business Mentoring Program Tier 2 contracts will be awarded.

The budget for this project is $8.70 million. This request is for $8.70 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET160310
Project Name	**Planning Number / PIN**
Sandy Resiliency: Consolidated Revenue Facility	FC01-4830

County/Borough: Queens **Zip Code** 11378

Object/Purpose of Project

This project will provide mitigation measures to protect the facility against damage from a storm surge event.

Units/Locations/Limits

Consolidated Revenue Control Facility, Queens.

Summary

This project will develop and incorporate flood mitigation measures to protect the Consolidated Revenue Control Facility against flooding from future storm events, including installation of mitigating pedestrian doors, mitigating overhead doors, backflow valves at storm and sanitary drains, and sump pit and duplex pumping system in the basement.

The budget for this project is $29.60 million. This request is for $29.60 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET160311
Project Name	**Planning Number / PIN**
Sandy Resiliency: Zerega Central Maintenance Facility	SF01-4831

County/Borough: Bronx **Zip Code**

Object/Purpose of Project

This project will provide mitigation measures to protect the facility against damage from a storm surge event.

Units/Locations/Limits

Zerega Bus Maintenance & Training Facility, Bronx.

Summary

This project will Implement flood mitigation measures at the Department of Buses Zerega Central Training and Maintenance Facility. Work will include installation of permanent perimeter protection walls and backflow valves, application of improved building sealant, and damp-proofing any electrical or mechanical building systems.

The budget for this project is $31.30 million. This request is for $31.30 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	ET160312
Project Name	**Planning Number / PIN**
Sandy Resiliency: Tiffany Central Warehouse - Bronx	PD02-4832

County/Borough: Bronx **Zip Code** 11474

Object/Purpose of Project

This project will provide mitigation measures to protect the facility against damage from a storm surge event. This facility stores inventory that supports bus and subway maintenance and operations throughout the New York City Transit (NYCT) system. Damage to this facility and its contents would have severe impacts on the ability of NYCT to maintain and operate its equipment and would be further exacerbated by the long lead time necessary to replace specialized parts housed at the facility.

Units/Locations/Limits

Tiffany Central Warehouse, Bronx.

Summary

This project will implement flood mitigation measures at the Tiffany Central Warehouse located in the Bronx to comply with NYCT's standards to provide protection of water incursion from Category 2 + 3 feet flood levels. Work may include, but is not limited to, hardening of loading docks, replacing roll up doors along Tiffany Street and pedestrian doors at various points around the building with watertight alternatives, installation of backflow prevention valves within drainage system, and improved building sealant. Feasibility of specific mitigation methods will be determined during the design phase.

The budget for this project is $39.60 million. This request is for $39.60 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	T7160601
Project Name	**Planning Number / PIN**
Fire Alarm System Replacement at Three Bus Depots	SS04-1996

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will replace fire alarm systems past their useful life to increase safety and to mitigate false alarms, which can lead to loss in productivity.

Units/Locations/Limits

-Gun Hill Bus Depot, Bronx
-Jackie Gleason Bus Depot, Brooklyn
-Manhattanville Bus Depot, Manhattan

Summary

This project will furnish and install fire alarm systems that have reached the end of their useful life at three Department of Buses depots: Jackie Gleason; Manhattanville; and Gun Hill. When fire alarm system reach the end of their useful life there is increased probability of false alarms, which leads to facility shutdown and, incidentally, can result in lost time, money, productivity and impact to passenger service. Replacement of these alarm systems will, therefore, minimize the occurrence of false alarms.

The budget for this project is $24.78 million. This request is for $24.78 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	S7070101
Project Name	**Planning Number / PIN**
Purchase 75 Staten Island Railway (SIR) Passenger Railcars - R211	SI09-6891

County/Borough: Staten Island **Zip Code**

Object/Purpose of Project

This project will replace 64 existing railcars beyond their useful life with 75 new railcars.

Units/Locations/Limits

Staten Island Railway

Summary

This project will replace 64 75-foot SIR R44 railcars built from 1977 and 1973 with 75 new 60-foot railcars. Staten Island Railway currently operates a single line and the R44 fleet has exceeded its 40 year useful life. Design features will incorporate state of the art systems, including compliance with both Environmental Protection Agency (EPA) and Americans with Disabilities Act (ADA) requirements. This project is part of the R211 procurement project.

The budget for this project is $231.70 million. This request is for $231.70 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
New York City Transit	S7070103
Project Name	**Planning Number / PIN**
Staten Island Railway (SIIR) Mainline Track Rehabilitation	SI02-1895

County/Borough: Staten Island **Zip Code**

Object/Purpose of Project

This project will replace deficient components of mainline track along the Staten Island Railway (SIR).

Units/Locations/Limits

Between Richmond Valley and Allison Avenue along Staten Island Railway right-of-way.

Summary

This project will replace approximately 8 miles of track, including replacement of track components and associated equipment and materials such as signals, contact rails, running rails, and ballast, along two tracks along the southern section of the Staten Island, not including Tottenville. Track replacement at Tottenville is proposed under a separate project. Depending on funding availability, third rail replacement may be done along with the track replacement to minimize impact on SIR operations.

The budget for this project is $15.66 million. This request is for $15.66 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70204UG
Project Name	**Planning Number / PIN**
Mets Willets Point Station	

County/Borough: Queens **Zip Code** 11368

Object/Purpose of Project

The purpose of this project is to renew and upgrade Mets-Willets Point Station. Renewal and upgrade includes station, track, signal and drainage improvements to support enhanced Railroad service and provide an improved customer environment. This includes the construction of a second station platform for operational flexibility and to support enhanced service at this station.

Units/Locations/Limits

Mets / Willets Point Station on the Port Washington Branch.

Summary

This project includes demolition of existing platforms and construction of two new 12-car platforms, staircases, elevators, lighting, canopies, signage, communications systems, CCTV security systems, new station ticket office and ticket machines, and other improvements. This project supports conversion of the station from Special Events to a regular station, with regular weekday and weekend service year-around.

The budget for this project is $77.9 million. This request is for $46.6 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70204UJ
Project Name	**Planning Number / PIN**
Enhanced Station Initiatives	

County/Borough: Multiple

Zip Code NA

Object/Purpose of Project

This project will evaluate potential station enhancements including shelter sheds, platform railings, platform lighting, station architectural elements, technological improvements, and safety improvements.

Units/Locations/Limits

Five stations have been identified for potential Station Enhancements: These are Bayside, Stewart Manor, East Hampton, Port Jefferson and Wyandanch stations. This list of stations may be revised based upon consultant analysis of which stations are good candidates for Station Enhancements Designs.

Summary

This project will undertake station enhancement initiatives at selected stations. The enhancements will focus on:

•Improved appearance and public perception of stations including artistic station lighting, architectural enhancements, e.g.
•Improved customer experience including accessibility improvements required to meet current Americans with Disabilities Act (ADA) and code requirements.
•Design to meet increased demand at stations
•Improved station aesthetics through design innovation and design excellence

The budget for this project is $25.00 million. This request is for $20.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70204UQ
Project Name	**Planning Number / PIN**
Babylon Station Platform Replacement	

County/Borough: Suffolk **Zip Code** 11702

Object/Purpose of Project

The purpose of this project is to rehabilitate the Babylon Station platforms, which are located in Suffolk County on the Babylon Branch (Milepost 35.9). This station is the eastern terminal of the electrified Babylon Branch. Babylon Station consists of a station building, two (2) elevated center island, 12-car platforms, 932 and 924 feet long that services three (3) tracks, two (2) elevators and two (2) escalators. Babylon is designated as an ADA Key station.

Units/Locations/Limits

Babylon Station in Suffolk County.

Summary

The rehabilitation consists of the following: demolition and reconstruction of platform and platform level waiting rooms; repairs to platform super structure; canopy roofing system (including lighting and communications systems); replacement of elevators, escalators, and rehabilitation of stairways; improvements to the station site.

The budget for this project is $38.90 million. This request is for $38.90 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70204UX
Project Name	**Planning Number / PIN**
Hunterspoint Avenue Station Renewal	
County/Borough:	**Zip Code** 11101

Object/Purpose of Project

The purpose of this project is to rehabilitate the Hunterspoint Station, which is located in the City Terminal Zone scheduled branch, Main Line (Milepost 1.0), and serves an urban area in the borough of Queens. Hunterspoint Avenue Station consists of one high level platform, with a freestanding waiting room and freestanding ticket agent kiosk on the platform. This station has a designated use level of 1, which represents the servicing of over 6,000 customers on a typical weekday.

Units/Locations/Limits

Hunterspoint Station (City Terminal Zone scheduled branch, Main Line)

Summary

The scope of work for this project consists of the following: design and construction of a new heated 10-car center island platform, platform super structure, stairs, canopies, waiting room, and platform lighting. The rehabilitated station willl have an overbuild platform that will accommodate an Americans with Disabilities (ADA) and stretcher compliant hydraulic elevator from the street to the platform level. The entire station shall be equipped with new signage, bird deterrent devices, speakers,
Audii Visual Paging System (AVPS), CCTV cameras, fire alarm (if required), and tactile edge warning strips.

The budget for this project is $22.10 million. This request is for $22.10 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70206VR
Project Name	**Planning Number / PIN**
Penn Station Complex Improvements	

County/Borough: Manhattan **Zip Code** 10119

Object/Purpose of Project

The purpose of this project is to enhance and improve corridors and entry ways at Penn Station. The station is located within the underground levels of Pennsylvania Plaza in midtown Manhattan, between Seventh and Eighth Avenue and between 31st and 33rd Streets. Penn Station is a major intercity train station and vital commuter rail hub in New York City. This highly transited station serves 430,000 passengers a day, making it one of the busiest passenger transportation facilities in the United States of America and North America.

Units/Locations/Limits

Pennsylvania Station in midtown Manhattan, between Seventh and Eighth Avenue and between 31st and 33rd Streets, Manhattan.

Summary

This project will enhance corridors, access points, lighting, signage and wayfinding and general improving of space available for passenger circulation. The proposed project would begin initial implementation of these recommendations.

The budget for this project is $7.00 million. This request is for $7.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70301WC
Project Name	**Planning Number / PIN**
2017 Annual Track Program	

County/Borough: Multiple **Zip Code** NA

Object/Purpose of Project

The purpose of this project is to continue the cyclical State of Good Repair (SOGR) 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/lengthy delays due to track failure. This serves to maximize work efficiency while also minimizing impacts to customers.

Units/Locations/Limits

The following scope of work has been identified for the 2017 Annual Track Program:
-Mechanized Ties (21,000), Concrete Tie Installation (17,500), Wood Switch Installation (16), Grade Crossing Renewal (9), Field Welds-Thermite welding and boom truck support (735 ea), Track Surfacing (125 miles), Surface Interlocking and Main Track Switches (39), Continuous Welded Rail Replacement (46,620 LF), Hand Ties (7,000),

Summary

Major component renewal and replacements includes the following: mechanized tie installation, switch installation, grade crossing renewal, field welds, track and switch surfacing and rail grinding.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70301WG
Project Name	**Planning Number / PIN**
Construction Equipment	

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 outdated equipment will be replaced.

Units/Locations/Limits

LIRR Systemwide.

Summary

The equipment to be purchased under this program includes but is not limited to the following: concrete tie job support equipment, surfacing, cranes, loaders, mechanized tie and rail, snow fighting, brush cutting and other miscellaneous equipment.

The budget for this project is $15.50 million. This request is for $15.50 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70401BQ
Project Name	**Planning Number / PIN**
Bridge Program	

County/Borough: Multiple **Zip Code** NA

Object/Purpose of Project

This project will rehabilitate or replace selected railroad bridges in Queens, Suffolk, and Nassau Counties.

Units/Locations/Limits

This will include, but is not limited to, the replacement of North Main Street Bridge (Montauk Branch), Accabonac Road Bridge (Montauk Branch), Webster Avenue Bridge (Port Washington Branch), Main Street Bridge (Port Washington Branch), Buckram Road Bridge (Oyster Bay Branch), and the rehabilitation of Wreck Lead Bridge over Reynolds Channel (Long Beach Branch), Union Turnpike Bridge (Montauk Branch) and Springfield Boulevard Bridge (Main Line Branch). Additional bridges will be included in this project to be identified based upon the most recent bridge inspections and need for structural rehabilitation/replacement.

Summary

The bridge replacement work will include, but not be limited to, removal and installation of railroad tracks to new top of rail elevation, hazardous vehicle line of sight angles, vertical under clearance, lane width and pedestrian accessibility as well as track alignment on the new bridge structure, concrete repairs (including shoring, concrete removals, mechanical anchorage, forming, concrete placement, sealer application, power- washing of bridge seats, site clean-up, and other activities as required) local painting, replace bearings, repair girders top flange, repair drainage and waterproofing system, and paint the bridge. The bridge rehabilitation work will include, but not limited to, girder repairs, diaphragm and stiffener repairs, deck and under-deck repairs, deck drainage, deck waterproofing, drainage behind substructures, and bearing repairs.

The budget for this project is $66.00 million. This request is for $66.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70401BR
Project Name	**Planning Number / PIN**
Main Line Bridge Component Renewals	

County/Borough: Multiple **Zip Code** NA

Object/Purpose of Project

This project will replace the Post Avenue Bridge, located on the Main Line in Westbury. 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. This project will also include rehabilitation of Lynbrook Viaduct on the Babylon Branch/Long Beach Branch, Rockville Centre Viaduct on the Port Washington Branch and Cherry Valley Road Bridge on the Hempstead Branch. This project will also include additional bridges to be identified, based upon the most recent bridge inspections and need for structural rehabilitation replacement. Additional bridges to be identified will be rehabilitated under this project.

Units/Locations/Limits

Post Avenue Bridge (Main Line) in Westbury, Lynbrook Viaduct (Babylon Branch / Long Beach Branch), Rockville Centre Viaduct (Babylon Branch), Cherry Valley Road Bridge (Hempstead Branch) and other bridges yet to be identified.

Summary

The project will include, but is not limited to: replacement of the existing two bay structure with a new three bay structure to accommodate a future third track and installation of new catwalks and railings. In addition, the following elements will be rehabilitated; abutments, wingwalls, and other structures necessary to support the new three bay bridge. Additionally, the existing concrete staircase adjacent to the bridge span will be replaced or rehabilitated as necessary to accommodate the new three bay bridge. Additional bridges to be identified will be rehabilitated under this project. This will include, but not limited to, rehabilitation of Lynbrook Viaduct (Babylon Branch / Long Beach Branch), Rockville Centre Viaduct (Babylon Branch), and replacement of Cherry Valley Road Bridge (Hempstead Branch).

The budget for this project is $57.00 million. This request is for $47.80 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70501SN
Project Name	**Planning Number / PIN**
Penn Station Radio Retrofit/ERT Antenna	
County/Borough:	**Zip Code** 10119

Object/Purpose of Project

The East River Tunnel (ERT) distributed antenna system and Penn Station antenna system have reached the end of their useful life. These antenna cables and associated equipment in the Penn Station radio room will need to be replaced in order to support LIRR radio communications within the ERT infrastructure. This capital project is a continuation to the East River Tunnel (ERT) antenna improvement under the 2010-2014 capital program.

Units/Locations/Limits

Radiating cable (12 miles) in the tubes is anticipated to be rated as asset condition 4 (defective), and would be in need of replacement.

Summary

The ERT antenna cables and the platform-based directional antennas will be replaced as well as coaxial cabling and connectors/couplers. Other related items will also be addressed, such as the addition of antennas and radio repeater equipment wherever deemed necessary. Existing combiners will be tested and replaced as needed. Improvements to radio communications in the ERT tunnels and Penn Station platform areas will significantly improve radio system reliability, coverage and maintainability, thereby increasing train movement efficiency and safety.

The budget for this project is $1.10 million. This request is for $1.10 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70502LK
Project Name	**Planning Number / PIN**
Positive Train Control (PTC)	

County/Borough: Multiple **Zip Code** NA

Object/Purpose of Project

This project involves design and installation of a new Positive Train Control System (PTC), in compliance with a Federal Railroad Administration (FRA) mandate. PTC is a system to provide enforcement of civil speed and temporary speed restrictions, positive stop at interlockings and protection over switches improperly aligned, as well as protection of roadway workers. Work will be undertaken throughout the LIRR system and will include a PTC expansion overlay to the existing Automatic Train Control (ATC) cab signaling system, in conjunction with the federal Rail Safety Improvement Act of 2008.

Units/Locations/Limits

Systemwide.

Summary

Construction will include installation of a transponder based system, comprised of onboard computers, radios, transponder system, event recorder, and displays, wayside radios and transponders mounted in the center of the track, and control center radios, computers and displays.

The budget for this project is $126.0 million. This request is for $126.0 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70701XA
Project Name	**Planning Number / PIN**
Substation Replacements	

County/Borough: Nassau/Queens **Zip Code** NA

Object/Purpose of Project

This project will replace traction power substations at various existing 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, and Ocean Avenue.

Summary

This project includes removing the existing switchgear, rectifiers, and transformers and demolishing the existing buildings and installing modular buildings. The modular building will contain new AC switchgear and transformers, pre-wired rectifier(s), 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 $63.50 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70701XK
Project Name	**Planning Number / PIN**
Signal Power Motor Generator Replacement	

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 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 & leader repairs, ballast installation, security cameras, and high security fencing.

The budget for this project is $6.40 million. This request is for $4.40 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Long Island Rail Road	L70701XS
Project Name	**Planning Number / PIN**
Substation Renewals	

County/Borough: Multiple **Zip Code** 11563

Object/Purpose of Project

The purpose of this project is to restore all major components to 'like new' condition, 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 AC switchgear components (motor operators, linkages, interlocks, control cable, wiring, conduits, wireways, pull boxes, control cabinet), rectifier transformers/rectifiers, 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 2017

Agency	ACEP ID
Long Island Rail Road	TRANTECH
Project Name	**Planning Number / PIN**
Transit Technical Assistance	

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 2017

Agency	ACEP ID
Metro-North Railroad	M702-01-02
Project Name	**Planning Number / PIN**
Park Ave. Tunnel Fire and Life Safety Improvements	
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 wayfinding 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 $1.0 million and this request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-01-03
Project Name	**Planning Number / PIN**
GCT Platform Rehabilitation	

County/Borough: Manhattan **Zip Code** 10017

Object/Purpose of Project

This project is for the rehabilitation of deteriorated platform edges previously identified as requiring rehabilitation and replacement of expansion joints which are posing a tripping hazard. Repairing the platforms will have positive long-term service impacts to customers on all three East of Hudson Metro-North lines as well as Metro-North employees.

Units/Locations/Limits

Select expansion joints and platform edges at various platforms located in Grand Central Terminal.

Summary

The project will rehabilitate platform edges and expansion joints within Grand Central Terminal. This work includes replacing the deteriorated edges and the loose concrete underneath the platforms with high strength concrete and a new galvanized metal edge. The new concrete edges are to be coated with an epoxy to increase its longevity. In addition, expansion joints will be replaced.

The project budget is $1.2 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-01-08
Project Name	**Planning Number / PIN**
Mentoring -Grand Central Terminal (GCT)	

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 is $5.0 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-02-01
Project Name	**Planning Number / PIN**
Harlem - 125th Street Station Improvements	

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will restore or replace the historic stairways located on the south side of 125th Street under the viaduct. These stairs provide a secondary route to the platform outside of the stairways within the station building and allow customers an easy route to 125th Street transit options (bus, subway and taxi). Metro-North will increase and improve the lighting around the entire station building as well as improve the lighting on and around the south side stairways.

Units/Locations/Limits

Southside of the 125th Street Station historic stairway and station build area.

Summary

The Harlem-125th Street Station is one of only two stations that serve all of Metro-North's East of Hudson Service (Grand Central Terminal is the other). As such, the station serves the dual role of a busy commuter hub as well as a secondary emergency station if Grand Central Terminal or the connecting tunnels are ever temporarily incapacitated. It also serves as the main icon of the East Harlem neighborhood.

The viaduct and station building were substantially renovated in the late 1990s. However, the historic stairways serving the south side of 125th Street are past their useful life and are in need of replacement. In addition, in cooperation with the City of New York's Economic Development Corporation (EDC) initiative, Metro-North will improve the lighting around the station building and under the viaduct to increase safety and improve the customer environment.

Metro-North will also enhance the street level aesthetics and functionality of Harlem-125th Street Station to provide passengers with a more comfortable and efficient station experience. Items specifically to be addressed include lighting and signage including electronic signage at the base of the stairways that will include track assignments. In addition, the Arts For Transit artwork installed as part of the Viaduct rehabilitation in the late 1990's, needs repairs.

The project budget for this project is $2.0 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-02-02
Project Name	**Planning Number / PIN**
Lower Harlem Line Station Improvements	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will address component repair needs at three stations on the Harlem Line: Williams Bridge, Woodlawn, and Botanical Gardens. The project begins a phased renewal of station components 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, rehabilitate/install 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 $30.55 million and the request is for that amont.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-02-03
Project Name	**Planning Number / PIN**
Upper Hudson Station Improvements	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project includes priority repairs at up to six (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 six (6) locations: Cortlandt, Garrison, Cold Spring, Beacon, New Hamburg and Poughkeepsie.

Summary

The scope of work will be determined 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 and this request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-02-04
Project Name	**Planning Number / PIN**
Upper Harlem Station Improvements	

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. The stations are: 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. 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 $22.5 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-02-07
Project Name	**Planning Number / PIN**
Customer Communication	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will provide for improvements to outlying stations and in Grand Central Terminal (GCT) to include node house power upgrades, head end security equipment, train information displays in GCT, Customer Improvements (public address system/supporting infrastructure), and elevator and escalator management system.

Units/Locations/Limits

Various locations on the Hudson, Harlem and New Haven Lines and Grand Central Terminal.

Summary

Metro-North intends to improve customer communications in GCT and at outlying passenger stations through the rollout of a number of Customer Service Initiatives (CSI). These contracts enhance the customer experience by providing improved real time information, improving security measures at stations, streamlining maintenance of elevators/escalators and improving ADA compliance to the public address and visual information system displays.

The project budget is $60.0 million. The request is for $31.5 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-02-09
Project Name	**Planning Number / PIN**
Mentoring Program - Stations	

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 is $15.0 million. This request is for $10.0 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-03-01
Project Name	**Planning Number / PIN**
Strategic Facilities	

County/Borough: Westchester/Put **Zip Code**

Object/Purpose of Project

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. Included in this project will be the construction of the new Prospect Hill Bridge.

Units/Locations/Limits

Croton-Falls, Purdy's, Goldens Bridge and Prospect Hill Road, Putnam NY.

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. Included in the project is the replacement of the 106-year-old Prospect Hill Road Bridge. The bridge was closed on an emergency basis to traffic and is no longer repairable due to severe deterioration to structural member.

The budget is $19.7M and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M702-03-02
Project Name	**Planning Number / PIN**
Mentoring Program – Strategic Facilities	
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 stations systemwide.

Summary

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

The budget is $3.0 million. This request is for $1.0 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M603-02-12
Project Name	**Planning Number / PIN**
Overhead Bridge Prg. EoH – N. 14th Ave. Bridge Replacement	
County/Borough: Westchester	**Zip Code**

Object/Purpose of Project

This project will demolish and replace the 14 Avenue vehicular bridge located at milepost NH 13.10 in the City of Mount Vernon.

Units/Locations/Limits

The bridge is located at Milepost NH 13.10 on the New Haven Line and is located approximately 0.97 miles west (toward NYC) of the Mount Vernon East Train Station. The bridge carries two lanes of traffic and two sidewalks in the City of Mount Vernon, Westchester County, New York.

Summary

The purpose of this project is to replace the vehicular bridge located at Milepost NH 13.10 (North 14th Avenue) in the City of Mt. Vernon. The 14th Avenue Bridge was built in 1894. It carries 14th Avenue over four electrified tracks of the MNR New Haven Line. The general condition of the bridge is poor and the bridge currently has a load posting of 3 tons. The bridge currently carries water mains, gas mains and electrical service for 3rd party entities. The bridge will be replaced and the top of the bridge abutments will be rehabilitated to accommodate the new superstructure. The new bridge will provide a safe and reliable crossing to serve commercial and residential areas within the City of Mt. Vernon.

The estimate cost of this work is $7.5 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-01-01
Project Name	**Planning Number / PIN**
Cyclical Track Program	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

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.

Units/Locations/Limits

Estimated amounts are 16,400 ties on the Harlem and Hudson Lines, 10 miles of rail and 140 miles of surfacing all lines systemwide in New York State territory.

Summary

This program maintains Metro-North's track in a state of good repair ensuring that the infrastructure does not deteriorate requiring unprogrammed replacement. This program continues the replacement program undertaken in previous Capital Programs.

The budget for this project is $97.00 million. This request is for $23.90 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-01-02
Project Name	**Planning Number / PIN**
Cyclical Replacement Insulated Joint	

County/Borough: system wide **Zip Code**

Object/Purpose of Project

This project will provide for the cyclical replacement of insulated joints throughout the entire Metro-North territory in New York State.

Units/Locations/Limits

Approximately 150 joints are replaced yearly by maintenance forces throughout the entire Metro-North territory in New York State

Summary

Insulated joints are a track component and a critical component of the signal system. Their purpose is to prevent electrical current from flowing between the ends of two adjoining rails, thereby creating a track circuit section. Insulated joints use an insulated end post between rail ends to prevent ends from shorting out. Insulated joint failures result in a fail-safe reaction by the signal system which "drops" the track circuit, imposes a 15 mph speed limit in the track segment and causes train delays. They give no warning prior to failure and the only corrective measure is replacement. This project will replace older insulated joints to extend the reliability of the signal system.

The project budget is $2.0 million. The request is for $0.4M.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-01-04
Project Name	**Planning Number / PIN**
Turnouts: Mainline/High Speed	

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. The estimated useful life of turnouts is approximately 20-25 years. This project continues the replacement program undertaken in previous Capital Programs.

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 $51.47 million. This request is for $12.9 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-01-05
Project Name	**Planning Number / PIN**
GCT Turnouts/Switch Renewal	

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 $24.93 million. This request is for $4.6 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-01-06
Project Name	**Planning Number / PIN**
Turnouts - Yard/Sidings	
County/Borough: Multiple	**Zip Code**

Object/Purpose of Project

This project is for the replacement of in-kind turnouts at various locations in Hudson and Harlem Line yards.

Units/Locations/Limits

Hudson & Harlem Line Yards - various locations

Summary

A rail yard is a complex series of railroad tracks and turnouts for keeping rolling stock stored off the mainline, so as not to obstruct the flow of traffic. A rail yard is also used for sorting railroad cars and/or locomotives. For a railroad yard 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 yard will be severely hampered if the yard has deteriorated turnouts (switches) and track structure. Metro-North has a cyclical program of capital improvements to ensure that the condition of the yard turnouts and track structure is maintained in good operating condition.

The budget for this project is $5.16 million. This request is for $1.88 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-01-09
Project Name	**Planning Number / PIN**
Purchase of M of W Equipment	

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. This program protects the capital investment already made by continuing the rehabilitation program begun in 1987.

The budget for this project is $22.00 million. This request is for $12.0 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-02
Project Name	**Planning Number / PIN**
Bridge Preservation Program	

County/Borough: Westchester **Zip Code**

Object/Purpose of Project

This project will provide for the painting of the fascia girders at the Millennium Bridge in Thornwood, NY and/or any other location deemed necessary.

Units/Locations/Limits

Millennium Bridge in Thornwood, NY or at any other locations deemed necessary

Summary

The focus of this project is to extend the useful life of undergrade bridges supporting Metro-North's right-of-way, which are approaching the end of their useful lives. Bridge painting protects steel bridges from weather related deterioration.

The budget for this project is $1.75 million . The request is for $0.75 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-03
Project Name	**Planning Number / PIN**
Undergrade Bridge Rehab. - East of Hudson	

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.

Summary

The purpose of the project is the repair and replacement of bridges over or supporting the railroads right-of-way which are approaching the end of their useful lives, or do not meet current condition criteria. The project is based on analysis of asset inventory and condition and historic capital investments trends. The project is a continuation of Undergrade Bridge work performed in previous Capital Programs.

The budget for this project is $64.66 million. This request is for $11.20 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-05
Project Name	**Planning Number / PIN**
Park Avenue Direct Fixation	

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

The purpose of this project is to replace deteriorated rail fasteners and grout pads which are part of the direct rail fixation system on the Park Avenue Viaduct. This project will repair the failed grout pads, threaded inserts and bolts and restore the grout pads and inserts to full integrity so that the fastener bodies may be replaced in a future Capital Program.

Units/Locations/Limits

Park Avenue Viaduct

Summary

This project is needed to ensure the reliable operation of the Park Avenue Viaduct. On the Park Avenue Viaduct, rails are held to the structure using a direct fixation system (grout pads and threaded fasteners assemblies). Inspections have found that at select locations, the grout pads and/or bolts have cracked, or the bolts have stripped their threads or their heads have sheared off.

The budget for this project is $2.50 million. This request is for $1.25 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-08
Project Name	**Planning Number / PIN**
Replace Timbers - Undergrade Bridges	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The purpose of this project is to install bridge timbers on open deck bridges that are at the end of their useful life and require replacement.

Units/Locations/Limits

Each bridge deck is evaluated to determine the need for new timbers and based on the conditions of the timbers, each bridge has been given a priority rating. There are several bridge locations on the Harlem, Hudson, New Haven, and Port Jervis Lines that will be addressed under this project.

Summary

This project will install new timbers on bridges located on the Harlem, Hudson and New Haven lines based on a priority assessment. Timber deteriorations and/or failure to hold gauge can lead to slow orders reducing on-time performance. There are approximately 7,500 bridge timber decks in NYS that exist on the Hudson, Harlem, New Haven and Port Jervis lines.

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

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-09
Project Name	**Planning Number / PIN**
Harlem River Lift Bridge	

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, which is a single point of failure for the entire railroad.

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 is $10.0 million. The request is for $9.0 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-11
Project Name	**Planning Number / PIN**
Right of Way Fencing	

County/Borough: system wide **Zip Code**

Object/Purpose of Project

This project will provide installation of 8 foot high galvanized steel fencing for keeping trespassers off Metro-North's property.

Units/Locations/Limits

Install approximately 3,000 feet of fence at various locations including yards, stations, shops, and along the right of way on Hudson, Harlem, and New Haven Lines in New York State.

Summary

The purpose of this project is to install new and replace damaged fencing along the right of way. Trespassing onto Metro-North property has been a problem and often results in disruption of train service. This consequently affects on time performance and may result in serious injury or fatality to the trespasser. Theft and vandalism is also linked to trespassing on railroad property. The new fences will enhance the safety and security of Metro-North property and operations.

The project budget is $1.0 million and the request if for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-13
Project Name	**Planning Number / PIN**
DC Substation/Signal House Roof Replacement	
County/Borough: system wide	**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 (NYS only).

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 would extend the life of these signal houses by 15 years while maintaining a dry climate for reliable and safe operation of traction and wayside signal equipment.

The project budget is $5.0 million. The request is for $1.2 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-02-15
Project Name	**Planning Number / PIN**
Mentoring Program - Structures	

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 is $3.0 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M703-03-03
Project Name	**Planning Number / PIN**
West of Hudson Undergrade Bridge Rehabilitation	

County/Borough: Orange/Rocklan **Zip Code**

Object/Purpose of Project

This project will perform replacement and/or repair work on various bridges located West of Hudson.

Units/Locations/Limits

Various locations on the Port Jervis line.

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 top priorities based on condition assessments.

The project budget for this project is $15.00 million. This request is for $4.60 million.

Proposed Program of Projects
Federal Fiscal Year 2017

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

Object/Purpose of Project

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

Units/Locations/Limits

This project will fund 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 $14.0 million and this request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M704-01-01
Project Name	**Planning Number / PIN**
Network Infrastructure Replacement	
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 project budget for this project is $31.50 million. This request is for $21.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M704-01-02
Project Name	**Planning Number / PIN**
Harmon to Poughkeepsie Signal System	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

This project will replace the communication and signal Central Instrument Locations (CILs) and fiber optic and copper cable systems on the Hudson Line from Croton Harmon (CP-33) to Division Post (MP-75.8), Poughkeepsie.

Units/Locations/Limits

Hudson Line from Croton Harmon (CP-33) to Division Post, Poughkeepsie (MP-75.8)

Summary

The existing wayside signal and communication systems and infrastructure located on the Hudson Line from Croton Harmon (CP-33) to Division Post (MP-75.8), Poughkeepsie have reached the end of their useful life. This project will begin replacement of the existing wayside signal and communication systems and infrastructure including communication and signal Central Instrument Locations (CILs) and fiber optic and copper cable system.

The budget for this project is $60.0 million. The request is for $40.0 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M704-01-03
Project Name	**Planning Number / PIN**
Positive Train Control - East of Hudson	

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 $39.8 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M704-01-04
Project Name	**Planning Number / PIN**
Replace Signal Office Equipment/SCADA	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The purpose of this project is to replace and upgrade the Supervisory Control and Data Acquisition System (SCADA) which has exceeded its useful life.

Units/Locations/Limits

Various locations Harlem, Hudson and New Haven Lines.

Summary

Metro-North owns two types of Supervisory Control and Data Acquisition (SCADA) System Master Stations: SCADA System Master Station (Power), and SCADA System Master Station (Signals), also called a CTC console. The systems are used to monitor health and status of 3rd rail, catenary and traction power in the field.

The budget for this project is $3.5 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M704-01-07
Project Name	**Planning Number / PIN**
Replace High Cycle Relays	
County/Borough: Multiple	**Zip Code**

Object/Purpose of Project

The purpose of this project is to replace and selectively upgrade the high cycle relays throughout Metro-North's three East of Hudson lines in New York State. Preventative and pre-emptive replacement of certain life-expired signal relay components is essential to Metro-North achieving its goals in operating efficiently, safely, and offering a dependable transportation system to its customers.

Units/Locations/Limits

Various locations on the Harlem, Hudson and Hew Haven Lines in NYS.

Summary

The purpose of this project is to periodically and preventatively (where required) replace Metro-North's high cycle rate relays and key wayside signal apparatus on all three lines in New York State.

The reliability of railroad signal systems is directly related to the failure rate of the components and sub-components that constitute that system. When a specific component breaks down or fails, the entire system can be affected resulting in delays to passenger service. There are reliability and maintenance issues (e.g., bearings falling out and contacts wearing out prematurely) that exist with Metro-North's track relays. Replacement of these relays is necessary for maintaining a reliable signal system and thereby improving on-time performance.

The budget for this project is $1.0 million. The request is for $0.5 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M704-01-09
Project Name	**Planning Number / PIN**
Fire Suppression Systems	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The purpose of this project is to install Fire Alarm and Fire Suppression Systems at critical interlocking locations (such as Central Instrument Locations (CILs) and Master Locations (MLs)) that will detect a fire and automatically activate systems to contain and suppress any possible fires.

Units/Locations/Limits

Various locations systemwide

Summary

Modern interlocking systems are delivered and pre-installed with integral fire suppression systems in recognition of the tremendous damage that could be done by a fire and subsequent impact on service that total loss of an interlocking could have. Older generation interlocking systems are smaller in physical dimensions and have bulkier equipment pre-installed and therefore do not have sufficient space to allow for a fire suppression system. This project will include design and installation of retro-fit fire suppression systems at the above mentioned sites.

The budget is $0.75 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-02
Project Name	**Planning Number / PIN**
Transformer Rehabilitation	

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 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 (lights, heaters, ventilation fans etc.). Design life is 20 years at which time the oil, windings, bushings and other internal components must be replaced. Though the transformer bodies remain in good condition, the transformer components are obsolete and replacements for them are no longer available.

The project estimate is $5.20 million. This request is for $0.68 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-03
Project Name	**Planning Number / PIN**
Replace AC Circuit Breaker/Switchgear	

County/Borough: Westchester/Put **Zip Code**

Object/Purpose of Project

This project will replace the 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. The upper Harlem Line substations were installed in 1984. The AC switchgear located in each substation is the main interface between the local utility and the 700 Volt Direct Current (VDC) system. This equipment is used to safely distribute utility power to other components within the substation, namely the main traction transformers. The switchgear is comprised of several cubicles fastened together. Some of the cubicles contain large three phase high voltage magnetic air blast circuit breakers while others contain ancillary protective, safety and support instruments/apparatus. These circuit breakers along with protective relays, control relays and remote monitoring circuits have far exceeded their design life. The circuit breakers themselves are obsolete and parts are no longer available.

The project budget for this project is $3.90 million. This request is for $0.70 million.

Proposed Program of Projects
Federal Fiscal Year 2017

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

Object/Purpose of Project

This project will re-design and reconfigure 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 needs to be re-designed to modern computerized control and protection systems. All chambers must 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 and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-05
Project Name	**Planning Number / PIN**
Harlem and Hudson Power Improvements	

County/Borough: Westchester **Zip Code**

Object/Purpose of Project

The purpose of 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

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 D.C. traction power supply system on the Harlem and Hudson (H&H) lines over the course of several Capital Programs by building or rebuilding a total of nine D.C. traction power substations in the H&H territory.

In continuing the program of traction power system improvements in the 2015-19 Capital Program, this project will design and construct a new substation near Milepost 35, between Chappaqua and Mount Kisco stations on the Harlem Line, at the “City Water” site.

The budget for this project is $11.0 million. The request is for $9.6 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-07
Project Name	**Planning Number / PIN**
Third Rail Component Replacement	
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 (20 years). Due to age and normal exposure to the elements, the insulators, hook bolts, brackets and protection will need to be replaced to maintain the integrity of the third rail. The third rail system was installed during the 1980's and the condition of the system continues to deteriorate as a result of weathering and associated environmental impacts. 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 project budget for this project is $20.00 million. This request is for $15.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-08
Project Name	**Planning Number / PIN**
Replace 3rd Rail Sectionalizing Switches	

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 and the request is for that amount

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-10
Project Name	**Planning Number / PIN**
Park Avenue Tunnel Alarm	

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 the Park Avenue Tunnel.

Units/Locations/Limits

Park Avenue Tunnel

Summary

The design and installation for a new system that is code compliant 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 is $1.5 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-11
Project Name	**Planning Number / PIN**
Park Avenue Tunnel Lighting	

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

The purpose of this project is to replace and renew tunnel lighting in the Park Avenue Tunnel (PAT), coordinated with other PAT investments.

Units/Locations/Limits

Park Avenue Tunnel

Summary

This project will provide for installation of light fixtures throughout the Park Avenue Tunnel, coordinated with other PAT investments.

The budget is $0.5 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M705-01-12
Project Name	**Planning Number / PIN**
Mentoring Program - Power	

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 is $3.0 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M706-01-02
Project Name	**Planning Number / PIN**
Harmon Wheel True Improvements	

County/Borough: Westchester **Zip Code**

Object/Purpose of Project

This project will provide for the purchase of equipment and installation of a new wheel truing machine.

Units/Locations/Limits

A new Wheel True Machine – Croton Harmon NY

Summary

The project will replace the existing true milling machine with the current version. All Harlem and Hudson Line rolling stock equipment (locomotives, coaches, and M3 and M7 EMUs) are trued at Harmon Wheel Truing Facility. Wheel truing machines are used for reprofiling railcar rolling stock wheels. The surfaces of wheels become worn over time varying between months and years depending on the usage and design. Reprofiling is required to ensure that the ride of the vehicle continues to be acceptable both from a safety and comfort point of view.

The budget for this work is $2.0 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M706-01-05
Project Name	**Planning Number / PIN**
Mentoring Program – Shops and Yards	

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, Croton,NY

Summary

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

The budget is $10.0 million and the request is for that amount.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M708-01-06
Project Name	**Planning Number / PIN**
Program Administration	

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The purpose of this project is to provide administrative support of federal projects in the Capital Program.

Units/Locations/Limits

Not Applicable

Summary

Work under this activity will support the implementation of projects under the FFY2016 grants.

The budget for this project is $54.00 million. This request is for $11.00 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	M708-01-10
Project Name	**Planning Number / PIN**
Systemwide Security Initatives	

County/Borough: Systemwide **Zip Code**

Object/Purpose of Project

The purpose of this project is to continue to invest in security initiatives throughout the railroad, informed by the MTA Systemwide Security Assessment.

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 $16.87 million. This request is for $8.97 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	882218
Project Name	**Planning Number / PIN**
Haverstraw-Ossining Ferry	

County/Borough: Westchester/Roc **Zip Code**

Object/Purpose of Project

The Haverstraw-Ossining Ferry Service began in 2000 and since its inception 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 $4.8 million. The request is for $1.9 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Metro-North Railroad	882315
Project Name	**Planning Number / PIN**
Newburg-Beacon Ferry	

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 averages 242 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 $3.8 million. The request is for $1.5 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
MTA Bus	U6030211
Project Name	**Planning Number / PIN**
New HVAC - Spring Creek and College Point Depots	SF07-7414

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The objective of this project is to replace components of the HVAC (Heating/Ventilation/Air-Conditioning) systems at the Spring Creek and College Point Depots.

Units/Locations/Limits

Spring Creek and College Point Depots

Summary

The project will replace various components of the HVAC systems at the Spring Creek and College Point Depots that have exceeded their useful life. Replacement will include demolition, purchase, and installation of the components.

The estimated cost for this project is $12.4M of which the federal amount will be $9.9M.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
MTA Bus	U7030201
Project Name	**Planning Number / PIN**
53 Articulated Buses	SF02-2710

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The purpose of this project is to purchase 53 60-foot articulated buses which will provide service on identified high capacity bus routes within New York City.

Units/Locations/Limits

MTA Bus Depots

Summary

This project will purchase 53 60-foot articulated buses which will provide service on identified high capacity bus routes within New York City. These buses will be designed to operate in revenue service for a minimum of 12 years or 500,000 miles. These buses will meet Environmental Protection Distraction (EPA) emission standards, as well as Americans With Disabilities (ADA) standards. These buses may be assigned to any of the eight MTA Bus depots.

The estimated cost for this project is $48.1M, of which the federal amount will be $38.5M.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
MTA Bus	U7030202
Project Name	**Planning Number / PIN**
257 Express Buses	SF02-2709

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The purpose of this project is to purchase 257 45-foot express buses to be operated throughout New York City.

Units/Locations/Limits

MTA Bus Depots

Summary

This project will purchase 257 45-foot express buses to be operated throughout New York City. These buses will be designed to operate in revenue service for a minimum of 12 years or 500,000 miles. These buses will meet Environmental Protection Distraction (EPA) emission standards, as well as Americans With Disabilities (ADA) standards. These buses may be assigned to any of the eight MTA Bus depots.

The estimated cost for this project is $196.1M, of which the federal amount will be $156.9M.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
MTA Bus	U7030209
Project Name	**Planning Number / PIN**
Rehabilitation and Facility Upgrade - College Point Depot	SF07-2579

County/Borough: Queens **Zip Code** 11354

Object/Purpose of Project

The purpose of this project is to upgrade and/or replace various facility components at the College Point Depot.

Units/Locations/Limits

College Point Depot

Summary

The project will upgrade and/or replace various facility components at the College Point Depot that have exceeded their useful life and are inefficient. Replacement will include demolition, purchase, and installation of the components.

The estimated cost for this project is $9.5M, of which the federal amount will be $7.6M.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
MTA Bus	U7030213
Project Name	**Planning Number / PIN**
Chassis Wash and Oil-Water Separator - Eastchester Depot	SF04-2586

County/Borough: Bronx **Zip Code** 10475

Object/Purpose of Project

The purpose of this project is to replace the Chassis Wash & Oil-Water Separator at the Eastchester Depot.

Units/Locations/Limits

Eastchester Depot

Summary

The project will replace the Chassis Wash & Oil-Water Separator at the Eastchester Depot that have exceeded their useful life and are inefficient. Replacement will include demolition, purchase, and installation of the equipment.

The estimated cost for this project is $2.5M of which the federal amount will be $2.0M.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
MTA Bus	U7030214
Project Name	**Planning Number / PIN**
Non-Revenue Service Vehicles	FS01-2591

County/Borough: Multiple **Zip Code**

Object/Purpose of Project

The purpose of this project is to purchase replacement non-revenue service vehicles at various MTA Bus depots.

Units/Locations/Limits

MTA Bus Depots

Summary

Non-revenue vehicles include snow plows, cherry pickers, tow trucks and box trucks. This project will replace these service vehicles that have exceeded their useful life.

The estimated cost for this project is $3.6M of which the federal amount will be $2.9M.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Capital Construction	G7100101
Project Name	**Planning Number / PIN**
Second Avenue Subway Phase 2 - Preliminary Engineering	

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will commence preliminary engineering and environmental review 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.

Preliminary Engineering and an Environmental Impact Statement were completed for the full length of the SAS in 2004. This project will provide for an Extended Preliminary Engineering Design and Supplemental Environmental Review.

This request is for $135 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Capital Construction	G7100105
Project Name	**Planning Number / PIN**
Second Avenue Subway Phase 2 - Project Support	

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will provide 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 support services to oversee and begin project development.

This request is for $20 million.

Proposed Program of Projects
Federal Fiscal Year 2017

Agency	ACEP ID
Capital Construction	G7100198
Project Name	**Planning Number / PIN**
Second Avenue Subway Phase 2 - Real Estate	

County/Borough: Manhattan **Zip Code**

Object/Purpose of Project

This project will commence the real estate process 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 begin the real estate process for securing the right of way, including identifying property ownership, appraisals, and the acquisition plan.

This request is for $40 million.