

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Concrete Sea Wall East of Harrison Car Maintenance Facility

DBNUM: PA1424

PANYNJ will receive funding to construct a concrete sea wall to protect PATH tracks near the Passaic River. The total eligible amount is \$ 22,421,300. The FTA share is \$ 16,815,975. The PANYNJ share is \$ 5,605,325.



Counties:

Hudson

Municipalities:

Harrison Town

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) Not Available

FY 2016 - 2019 TIP Cost: (Million) \$9.779

**Unconstrained
Information**

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$.978			
CON	* SECT 5324		\$8.801			
			\$9.779			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Ductbanks

DBNUM: PA1414

Funding is provided for ductbank replacement projects. Replacement of the PATH Duct Bank system associated power cables in Tunnels A, Tunnel B, Tunnel E1, and Tunnel F1. The tunnels were completely flooded to the crown in some areas and the ductbanks were partially or completely submerged in salt water. The existing ductbanks were infiltrated by salt water causing them to deteriorate and due to the age of the ductbanks, salt water was able to seep in to where the cables are located. The existing ductbanks must be demolished and new ductbanks must be built in order to protect the power cables. The existing ductbanks have reached the end of their useful life and are in stages of collapse. The construction of new concrete ductbanks will provide more protection to the cables, from water and other impacts, allowing proper operation of the system.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$123.750

FY 2016 - 2019 TIP Cost: (Million) \$0.000

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$0.000				
CON	* SECT 5324	\$0.000				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Ductbanks

DBNUM: PA1414

Funding is provided for ductbank replacement projects. Replacement of the PATH Duct Bank system associated power cables in Tunnels A, Tunnel B, Tunnel E1, and Tunnel F1. The tunnels were completely flooded to the crown in some areas and the ductbanks were partially or completely submerged in salt water. The existing ductbanks were infiltrated by salt water causing them to deteriorate and due to the age of the ductbanks, salt water was able to seep in to where the cables are located. The existing ductbanks must be demolished and new ductbanks must be built in order to protect the power cables. The existing ductbanks have reached the end of their useful life and are in stages of collapse. The construction of new concrete ductbanks will provide more protection to the cables, from water and other impacts, allowing proper operation of the system.

Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$123.750



FY 2016 - 2019 TIP Cost: (Million) \$57.724

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$5.766				
CON	* SECT 5324	\$51.958				
		\$57.724				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Ductbanks

DBNUM: PA1414

Funding is provided for ductbank replacement projects. Replacement of the PATH Duct Bank system associated power cables in Tunnels A, Tunnel B, Tunnel E1, and Tunnel F1. The tunnels were completely flooded to the crown in some areas and the ductbanks were partially or completely submerged in salt water. The existing ductbanks were infiltrated by salt water causing them to deteriorate and due to the age of the ductbanks, salt water was able to seep in to where the cables are located. The existing ductbanks must be demolished and new ductbanks must be built in order to protect the power cables. The existing ductbanks have reached the end of their useful life and are in stages of collapse. The construction of new concrete ductbanks will provide more protection to the cables, from water and other impacts, allowing proper operation of the system.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$123.750

FY 2016 - 2019 TIP Cost: (Million) \$123.460

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$12.340				
CON	* SECT 5324	\$111.120				
		\$123.460				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Equipment Purchases

DBNUM: PA1421

This program element encompasses equipment purchases in FFY 2014 and FFY 2015. The equipment will help PATH perform repairs and inspect track that was damaged during Superstorm Sandy and to provide backup power in case of future outages. Equipment will be stored in various yards system-wide (C-Yard in Jersey City, South St. Yard in Newark) and will be maintained at the Harrison Car Maintenance Facility (HCMF). Pumps are located throughout the PATH system including Tunnels A & B Tunnels E & F Caisson 1,2,3 Hoboken Station Elevator Pit and Exchange Place Station. PS & C component inventory will be used at various substations and in Caisson 3 Lower Signal Relay Room. Hackensack River Bridge Emergency Fuel Tank will be located at the Hackensack River Bridge in Jersey City. Emergency diesel generators will be at HCMF and C Yard. Funding added to these previously obligated funds will provide for the replacement of the Hackensack River Bridge disconnect controls and the South Street Compressor.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$102.000

FY 2016 - 2019 TIP Cost: (Million) \$11.500

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$1.150			
CON	* SECT 5324		\$10.350			
			\$11.500			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Exchange Place, Newport Station, and Grove St. Station Head House Protection

DBNUM: PA1422

PANYNJ will receive funding to flood-proof major above-ground PATH facilities and equipment to prevent flooding of underground assets. These sites were flooded during Hurricane Sandy and are currently protected by temporary barriers. The total eligible amount is \$49,446,200. The FTA share is \$ 37,084,650. The PA share is \$ 12,361,550.



Counties:
Hudson

Municipalities:
Jersey City

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9 (Exempt)

Est. Total Project Cost:
(Million) \$49.446

FY 2016 - 2019 TIP Cost: (Million) \$49.446

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ		\$12.362			
CON	* SECT 5324		\$37.085			
			\$49.446			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Exchange Place, Newport Station, and Grove St. Station Head House
 Protection

DBNUM: PA1422

PANYNJ will receive funding to flood-proof major above-ground PATH facilities and equipment to prevent flooding of underground assets. These sites were flooded during Hurricane Sandy and are currently protected by temporary barriers. The total eligible amount is \$49,446,200. The FTA share is \$ 37,084,650. The PA share is \$ 12,361,550.



Counties:

Hudson

Municipalities:

Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9 (Exempt)

Est. Total Project Cost:

(Million) \$49.446

FY 2016 - 2019 TIP Cost: (Million) \$49.446

**Unconstrained
Information**

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$12.362				
CON	* SECT 5324	\$37.085				
		\$49.446				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Harrison Car Maintenance Facility Automatic Flood Barrier

DBNUM: PA1423

PANYNJ will receive funding to construct an automated flood barrier at the Harrison Car Maintenance Facility, which was significantly damaged by Hurricane Sandy. This site is currently protected by temporary barriers. Total eligible amount is \$ 19,815,200. The FTA share is \$ 14,861,400. The PANYNJ share is \$ 4,953,800.



Counties:

Hudson

Municipalities:

Harrison Town

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) Not Available

FY 2016 - 2019 TIP Cost: (Million) \$7.384

Unconstrained
Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$.738			
CON	* SECT 5324		\$6.646			
			\$7.384			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Port Jersey Second Lead Track Project

DBNUM: PA1727

As part of the Port Jersey Division Second Track Improvements in Jersey City, this project will double-track a portion of the Port Jersey Division of New York New Jersey Rail LLC (NYNJR), currently a single-track freight line (known as the Port Jersey Lead Track) serving a series of local warehouses and distribution centers adjacent to Greenville Yard, build a second track along NYNJR's Port Jersey Division, and shift the interchange of rail cars for that line between Conrail and NYNJR out of Greenville Yard onto the new second track. This will eliminate conflicts between the rail movements serving the intermodal rail transfer and warehousing/distribution facilities that now share a single track.

This is the New Jersey component of improvements supported in part by a recently awarded federal FASTLANE grant for the Port Authority's Cross Harbor Freight Program, which also includes improvements to transload facilities at the 65th St. Yard in Brooklyn. In consultation w/ NJTPA and NYMTC staff and the FHWA metro office, we have submitted the Jersey City and Brooklyn components to NJTPA and NYMTC respectively, cross-referencing the element across the harbor aided under the same federal grant.

Counties:

Hudson

Municipalities:

Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Not Available

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) Not Available

FY 2016 - 2019 TIP Cost: (Million) \$11.200

**Unconstrained
Information**

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$4.480			
CON	* VAR FEDERAL		\$6.720			
			\$11.200			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Priority Protective Measures with Potential Environmental Impacts

DBNUM: PA1411

For high priority protective measures to ensure PATH is well prepared for future hurricane seasons and to provide protection to PATH facilities against flash floods and storm surges - measures to include Concrete Bench (Exchange Place), Concrete Wall (West) Harrison Car Maintenance Facility, Concrete Wall (East) Harrison Car Maintenance Facility, cast-in-place walls at substations and bungalows. ADDED: This item also will provide for the reimbursement of additional expenditures related to priority protective measures that were implemented throughout Hoboken Station after Superstorm Sandy.



Counties:

Hudson

Municipalities:

Harrison Twp Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$11.250

FY 2016 - 2019 TIP Cost: (Million) \$3.400

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$0.334			
CON	* SECT 5324		\$3.066			
			\$3.400			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Priority Protective Measures with Potential Environmental Impacts

DBNUM: PA1411

For high priority protective measures to ensure PATH is well prepared for future hurricane seasons and to provide protection to PATH facilities against flash floods and storm surges - measures to include Concrete Bench (Exchange Place), Concrete Wall (West) Harrison Car Maintenance Facility, Concrete Wall (East) Harrison Car Maintenance Facility, cast-in-place walls at substations and bungalows. ADDED: This item also will provide for the reimbursement of additional expenditures related to priority protective measures that were implemented throughout Hoboken Station after Superstorm Sandy.



Counties:

Hudson

Municipalities:

Harrison Twp Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$11.250

FY 2016 - 2019 TIP Cost: (Million) \$1.400

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$.134			
CON	* SECT 5324		\$1.266			
			\$1.400			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Rail Rolling Stock Resiliency

DBNUM: PA1420

Funding is provided for a rail rolling stock resiliency project, located at the Port-Authority-owned PATH C Yard facility in Jersey City. The funds will be used to construct additional storage track locations for PATH rolling stock above the advisory flood elevation.”



Counties:

Hudson

Municipalities:

Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

MT8 (Exempt)

Est. Total Project Cost:

(Million) \$10.000

FY 2016 - 2019 TIP Cost: (Million) \$25.200

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$6.300				
CON	* SECT 5324	\$18.900				
		\$25.200				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Rail Rolling Stock Resiliency

DBNUM: PA1420

Funding is provided for rail rolling stock resiliency. The funds will be used to purchase property in Jersey City, NJ to construct new storage track locations to store rolling stock above the advisory flood elevation.



Counties:

Hudson

Municipalities:

Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

MT8 (Exempt)

Est. Total Project Cost:

(Million) \$10.000

FY 2016 - 2019 TIP Cost: (Million) \$9.740

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$.970				
CON	* SECT 5324	\$8.770				
		\$9.740				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Rehabilitation of PATH Stations

DBNUM: PA1711

The scope of work for this project includes the restoration of latent damage at the platform and mezzanine levels resulting from Superstorm Sandy at the Exchange Place, Grove Street, and Newport stations in Jersey City and the Hoboken Station located in Hudson County, NJ. Each station will be investigated to determine the extent of latent damage to the structural, mechanical, and electrical facilities that has occurred from Superstorm Sandy. Architectural finishes will be restored throughout the stations and mezzanines. The item also will provide funds for the waterproofing of Newport Station.



Counties:

Hudson

Municipalities:

Hoboken Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) Not Available

FY 2016 - 2019 TIP Cost: (Million) \$160.837

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$16.084			
CON	* SECT 5324		\$144.753			
			\$160.837			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Rehabilitation of PATH Stations

DBNUM: PA1711

The scope of work for this project includes the restoration of latent damage at the platform and mezzanine levels resulting from Superstorm Sandy at the Exchange Place, Grove Street, and Newport stations in Jersey City and the Hoboken Station located in Hudson County, NJ. Each station will be investigated to determine the extent of latent damage to the structural, mechanical, and electrical facilities that has occurred from Superstorm Sandy. Architectural finishes will be restored throughout the stations and mezzanines. The item also will provide funds for the waterproofing of Newport Station.



Counties:

Hudson

Municipalities:

Hoboken Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) Not Available

FY 2016 - 2019 TIP Cost: (Million) \$265.000

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$26.500			
CON	* SECT 5324		\$238.500			
			\$265.000			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Repairs at Harrison Car Maintenance Facility

DBNUM: PA1710

This item provides for the replacement of the sanitary ejector pit, the removal and replacement in-kind of all approach track infrastructure, pavement rehabilitation of three parking lots and the facility roadway, drainage improvement, minor regarding, traffic pavement marking and signage replacements which were damaged by Superstorm Sandy at the Harrison Car Maintenance Facility located in Harrison, NJ. This item also will provide for the replacement of internal electrical systems at the facility.

Counties:

Hudson

Municipalities:

Harrison

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) Not Available



FY 2016 - 2019 TIP Cost: (Million) \$38.588

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$3.859			
CON	* SECT 5324		\$34.729			
			\$38.588			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Repairs at Harrison Car Maintenance Facility

DBNUM: PA1710

This item provides for the replacement of the sanitary ejector pit, the removal and replacement in-kind of all approach track infrastructure, pavement rehabilitation of three parking lots and the facility roadway, drainage improvement, minor regarding, traffic pavement marking and signage replacements which were damaged by Superstorm Sandy at the Harrison Car Maintenance Facility located in Harrison, NJ. This item also will provide for the replacement of internal electrical systems at the facility.



Counties:

Hudson

Municipalities:

Harrison

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) Not Available

FY 2016 - 2019 TIP Cost: (Million) \$98.588

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$9.859			
CON	* SECT 5324		\$88.729			
			\$98.588			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Salt Mitigation

DBNUM: PA1412

Funds mitigation of salt water damage in PATH Rail Tunnels A, B, E, and F. The four under-river PATH tunnels were inundated by Superstorm Sandy and its associated storm surge in October 2012. Although immediate repairs were made to restore service as soon as possible, subsequent investigation of facilities and equipment revealed deep penetration of saltwater, causing ongoing corrosion that requires more extensive mitigation. Long-term permanent repairs and replacements of infrastructure are required to return PATH to pre-Sandy state of good repair. The first phase of the project for latent damage repairs includes the survey work and removal of salt resident in PATH tunnels E and F consisting of power washing the tunnel rings and other surfaces in order to remove latent salt deposits. Additionally, this program funds the design, procurement, and replacement of power and communication cables, running rail, third-rail, trackside equipment, and other systems and equipment compromised by the salt residue. This work will begin with the design of the various infrastructure elements and construction will take place in accordance with a tunnel outage schedule. To minimize disruption of service during mitigation work in Tunnel E and F, the project also includes \$ 1.2 M in funding for weekend ferry service between Paulus Hook and WTC ferry terminals for one year.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$15.000

FY 2016 - 2019 TIP Cost: (Million) \$171.746

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY&NJ		\$17.175			
CON	* SECT 5324		\$154.571			
			\$171.746			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Salt Mitigation

DBNUM: PA1412

Funds mitigation of salt water damage in PATH Rail Tunnels A, B, E, and F. The four under-river PATH tunnels were inundated by Superstorm Sandy and its associated storm surge in October 2012. Although immediate repairs were made to restore service as soon as possible, subsequent investigation of facilities and equipment revealed deep penetration of saltwater, causing ongoing corrosion that requires more extensive mitigation. Long-term permanent repairs and replacements of infrastructure are required to return PATH to pre-Sandy state of good repair. The first phase of the project for latent damage repairs includes the survey work and removal of salt resident in PATH tunnels E and F consisting of power washing the tunnel rings and other surfaces in order to remove latent salt deposits. Additionally, this program funds the design, procurement, and replacement of power and communication cables, running rail, third-rail, trackside equipment, and other systems and equipment compromised by the salt residue. This work will begin with the design of the various infrastructure elements and construction will take place in accordance with a tunnel outage schedule. To minimize disruption of service during mitigation work in Tunnel E and F, the project also includes \$ 1.2 M in funding for weekend ferry service between Paulus Hook and WTC ferry terminals for one year.

Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$15.000



FY 2016 - 2019 TIP Cost: (Million) \$56.746

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
EC	* PANY&NJ		\$5.675			
EC	* SECT 5324		\$51.071			
			\$56.746			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Signals Replacement Program

DBNUM: PA1418

Funding is provided for the Signals Replacement Program Projects. The funds will be used to replace the existing Signal system. with a federally compliant Automatic Train Control system throughout the entire PATH system. The existing signal system suffered extensive damage during Sandy and due to the age of the system replacement parts were not readily available with many parts requiring custom fabrication. The new system will incorporate flood resiliency throughout the system as much as practicable.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$386.000

FY 2016 - 2019 TIP Cost: (Million) \$0.000

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$0.000				
CON	* SECT 5324	\$0.000				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Signals Replacement Program

DBNUM: PA1418

Funding is provided for the Signals Replacement Program Projects. The funds will be used to replace the existing Signal system. with a federally compliant Automatic Train Control system throughout the entire PATH system. The existing signal system suffered extensive damage during Sandy and due to the age of the system replacement parts were not readily available with many parts requiring custom fabrication. The new system will incorporate flood resiliency throughout the system as much as practicable.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$386.000

FY 2016 - 2019 TIP Cost: (Million) \$23.000

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$2.300				
CON	* SECT 5324	\$20.700				
		\$23.000				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Substations

DBNUM: PA1413

Replacement/Upgrades of Substations 7, 8, 9, and 14 in Hudson County. The substations provide power for the PATH system. Funding is provided for these substation replacement projects along with midterm repairs that need to be made to the affected substations. These substations were damaged by storm surges and flooding. Equipment that was damaged and not operational has been replaced or refurbished. The outdoor switchyard and building also were undermined due to the storm surge. The existing substations have reached the end of their useful life. The new substations will be constructed above the advisory flood elevation. Land acquisition is necessary in multiple locations so that the current substations can continue to operate during the construction period without any interruption to service. The projects include Substation Interim Repairs/Rehab-Renovation and Midterm Repairs and Replacement/Updates for Substations 7, 8, 9, and 14.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$193.380

FY 2016 - 2019 TIP Cost: (Million) \$40.153

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ		\$4.015			
CON	* SECT 5324		\$36.138			
			\$40.153			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Substations

DBNUM: PA1413

Replacement/Upgrades of Substations 7, 8, 9, and 14 in Hudson County. The substations provide power for the PATH system. Funding is provided for these substation replacement projects along with midterm repairs that need to be made to the affected substations. These substations were damaged by storm surges and flooding. Equipment that was damaged and not operational has been replaced or refurbished. The outdoor switchyard and building also were undermined due to the storm surge. The existing substations have reached the end of their useful life. The new substations will be constructed above the advisory flood elevation. Land acquisition is necessary in multiple locations so that the current substations can continue to operate during the construction period without any interruption to service. The projects include Substation Interim Repairs/Rehab-Renovation and Midterm Repairs and Replacement/Updates for Substations 7, 8, 9, and 14.

Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$193.380



FY 2016 - 2019 TIP Cost: (Million) \$15.153

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ		\$1.515			
CON	* SECT 5324		\$13.638			
			\$15.153			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Substations

DBNUM: PA1413

Replacement/Upgrades of Substations 7, 8, 9, and 14 in Hudson County. The substations provide power for the PATH system. Funding is provided for these substation replacement projects along with midterm repairs that need to be made to the affected substations. These substations were damaged by storm surges and flooding. Equipment that was damaged and not operational has been replaced or refurbished. The outdoor switchyard and building also were undermined due to the storm surge. The existing substations have reached the end of their useful life. The new substations will be constructed above the advisory flood elevation. Land acquisition is necessary in multiple locations so that the current substations can continue to operate during the construction period without any interruption to service. The projects include Substation Interim Repairs/Rehab-Renovation and Midterm Repairs and Replacement/Updates for Substations 7, 8, 9, and 14.

Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT6 (Exempt)

Est. Total Project Cost:

(Million) \$193.380



FY 2016 - 2019 TIP Cost: (Million) \$0.983

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$0.098				
CON	* SECT 5324	\$0.885				
		\$0.983				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Trackwork Repair and Restoration

DBNUM: PA1419

This program element includes repair or replacement of trackwork, ties, welded rail, power rail, breakers, cabling, heater crossovers, Hoboken Station under-platform fans, drainage and related equipment damaged by floodwaters and related debris as well as saltwater damage. This project also provides for the replacement of the fire suppression system in Tunnels A & B, pump room rehabilitation system-wide, replacement of open track areas - Tracks G,H,P and replacment of Hoboken interlocking and platform tracks.



Counties:
Hudson Essex
Municipalities:
Various
NJDOT CIS Category:
Mass Transit Assets
RCIS Category:
Transit Preservation
Sponsor:
PANYNJ
Air Quality Code:
O9, MT9 (Exempt)
Est. Total Project Cost:
(Million) \$210.000

FY 2016 - 2019 TIP Cost: (Million) \$189.000

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ		\$18.900			
CON	* SECT 5324		\$170.100			
			\$189.000			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Trackwork Repair and Restoration

DBNUM: PA1419

This program element includes repair or replacement of trackwork, ties, welded rail, power rail, breakers, cabling, heater crossovers, Hoboken Station under-platform fans, drainage and related equipment damaged by floodwaters and related debris as well as saltwater damage.



Counties:

Hudson Essex

Municipalities:

Various

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT9 (Exempt)

Est. Total Project Cost:

(Million) \$210.000

FY 2016 - 2019 TIP Cost: (Million) \$174.422

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$17.442				
CON	* SECT 5324	\$156.980				
		\$174.422				

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Vertical Transportation

DBNUM: PA1415

Funding is provided for vertical transportation replacement projects. These replacement projects will provide for stoplogs at the ADA elevator at Hoboken and replacement of elevators at the Harrison Car Maintenance Facility, three escalators and elevators at Exchange Place, and four escalators and elevators at Newport Station, and two escalators at Grove Street Station. These elevators and escalators were damaged in Superstorm Sandy and need to be replaced. In the case of Hoboken, the elevator was previously repaired and will now be made more resilient against future storm surges.

Counties:

Hudson

Municipalities:

Hoboken City Harrison Twp
Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$30.850



FY 2016 - 2019 TIP Cost: (Million) \$84.259

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ		\$8.426			
CON	* SECT 5324		\$75.833			
			\$84.259			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Vertical Transportation

DBNUM: PA1415

Funding is provided for vertical transportation replacement projects. These replacement projects will provide for stoplogs at the ADA elevator at Hoboken and replacement of elevators at the Harrison Car Maintenance Facility, three escalators and elevators at Exchange Place, and four escalators and elevators at Newport Station, and two escalators at Grove Street Station. These elevators and escalators were damaged in Superstorm Sandy and need to be replaced. In the case of Hoboken, the elevator was previously repaired and will now be made more resilient against future storm surges.

Counties:

Hudson

Municipalities:

Hoboken City Harrison Twp
Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$30.850



FY 2016 - 2019 TIP Cost: (Million) \$79.259

Unconstrained Information

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ		\$7.926			
CON	* SECT 5324		\$71.333			
			\$79.259			

NJTPA

Transportation Improvement Program Fiscal Years 2016 - 2019

Vertical Transportation

DBNUM: PA1415

Funding is provided for vertical transportation replacement projects. These replacement projects will replace the hydro ADA elevator at Hoboken, replace elevators at Harrison Car Maintenance Facility, three escalators at Exchange Place and four escalators at Newport Station. These elevators and escalators were damaged by Superstorm Sandy and need immediate repair. In the case of the Hoboken, due to the urgency of replacing the elevator, the project was started in January and will be complete in September. Hoboken, NJ; Hoboken Station, Harrison Car Maintenance Facility at Harrison, NJ, Exchange Place Station, Jersey City, NJ, Newport Station, Jersey City, NJ.

Counties:

Hudson

Municipalities:

Hoboken City Harrison Twp
Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

Est. Total Project Cost:

(Million) \$30.850



FY 2016 - 2019 TIP Cost: (Million) \$77.717

**Unconstrained
Information**

PHASE	SOURCE	2016	2017	2018	2019	2020-2025
CON	* PANY-NJ	\$7.772				
CON	* SECT 5324	\$69.945				
		\$77.717				