

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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.



Counties:

Hudson

Municipalities:

Harrison Town

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$9.451

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$.945				
CON	SECT 5324	\$8.506				
		\$9.451				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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.



Counties:

Hudson

Municipalities:

Harrison Town

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$1.290

Unconstrained
Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$.130				
CON	SECT 5324	\$1.160				
		\$1.290				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Lifts

DBNUM: PA1416

Funding is provided for the replacement of the Harrison Car Maintenance Facility lift. The Harrison Car Maintenance Facility in-ground lift in the service pit which is original to the shop and suffered severe water damage.



Counties:
Hudson

Municipalities:
Hoboken City Harrison Twp
Jersey City

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$1.108

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$.111			
CON	SECT 5324		\$.997			
			\$1.108			

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Transportation Improvement Program Fiscal Years 2020 - 2023

Lifts

DBNUM: PA1416

Funding is provided for the replacement of the Harrison Car Maintenance Facility lift. The Harrison Car Maintenance Facility in-ground lift in the service pit which is original to the shop and suffered severe water damage.



Counties:

Hudson

Municipalities:

Hoboken City Harrison Twp

Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT8 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$1.108

**Unconstrained
Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$.111				
CON	SECT 5324	\$.997				
		\$1.108				

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Transportation Improvement Program Fiscal Years 2020 - 2023

Priority Protective Measures

DBNUM: PA1410

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 Stop Logs, Horizontal Deck, Sand-filled Barriers, Water-filled Barriers, Watertight Doors, Pumps, Generators, and Fencing Area, and CIP Wall. This item also includes Permanent Flood Resiliency Repairs for PATH's Hoboken Station.



Counties:
Hudson Essex

Municipalities:
Hoboken City Harrison Twp
Jersey City

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$6.814

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$.682			
CON	SECT 5324		\$6.132			
			\$6.814			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Priority Protective Measures

DBNUM: PA1410

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 Stop Logs, Horizontal Deck, Sand-filled Barriers, Water-filled Barriers, Watertight Doors, Pumps, Generators, and Fencing Area, and CIP Wall. This item also includes Permanent Flood Resiliency Repairs for PATH's Hoboken Station.



Counties:

Hudson Essex

Municipalities:

Hoboken City Harrison Twp
 Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT8 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$6.814

**Unconstrained
 Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$6.682				
CON	SECT 5324	\$6.132				
		\$6.814				

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Transportation Improvement Program Fiscal Years 2020 - 2023

Priority Protective Measures

DBNUM: PA1410

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 Stop Logs, Horizontal Deck, Sand-filled Barriers, Water-filled Barriers, Watertight Doors, Pumps, Generators, and Fencing Area, and CIP Wall. This item also includes Permanent Flood Resiliency Repairs for PATH's Hoboken Station.



Counties:

Hudson Essex

Municipalities:

Hoboken City Harrison Twp
 Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT8 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$13.277

**Unconstrained
 Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$1.328				
CON	SECT 5324	\$11.949				
		\$13.277				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Priority Protective Measures with Potential Environmental Impacts

DBNUM: PA1411

For high priority protective measures to ensure PATH is well prepared for the upcoming 2013 hurricane season and will 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, Bin Blocks (West) Harrison Car Maintenance Facility, Hesco Barrier Wall (East) Harrison Car Maintenance Facility, Concrete Wall (East) Harrison Car Maintenance Facility.



Counties:
Hudson

Municipalities:
Harrison Twp Jersey City

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$0.222

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$.022			
CON	SECT 5324		\$.200			
			\$.222			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Priority Protective Measures with Potential Environmental Impacts

DBNUM: PA1411

For high priority protective measures to ensure PATH is well prepared for the upcoming 2013 hurricane season and will 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, Bin Blocks (West) Harrison Car Maintenance Facility, Hesco Barrier Wall (East) Harrison Car Maintenance Facility, Concrete Wall (East) Harrison Car Maintenance Facility.



Counties:

Hudson

Municipalities:

Harrison Twp Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT8 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$0.222

**Unconstrained
Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$.022				
CON	SECT 5324	\$.200				
		\$.222				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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 City Jersey City

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$5.000

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$0.500			
CON	SECT 5324		\$4.500			
			\$5.000			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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 City Jersey City

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT8 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$5.000

**Unconstrained
Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$.500				
CON	SECT 5324	\$4.500				
		\$5.000				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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 Town

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$5.366

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$0.537			
CON	SECT 5324		\$4.829			
			\$5.366			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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 Town

NJDOT CIS Category:

Mass Transit Assets

RCIS Category:

Transit Preservation

Sponsor:

PANYNJ

Air Quality Code:

O9, MT8 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$5.366

**Unconstrained
Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$0.537				
CON	SECT 5324	\$4.829				
		\$5.366				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Replacement of Harrison Station South West Head House and Platform **DBNUM: PA1910**

Replace Harrison Station South West head house and platform to provide a new flood resilient head house and platform. The investment will protect the critical elements of the station from damage in the event of another major storm.



Counties:
Hudson

Municipalities:
Harrison Town

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$45.242

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$4.527			
CON	SECT 5324		\$40.715			
			\$45.242			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Replacement of Harrison Station South West Head House and Platform **DBNUM: PA1910**

Replace Harrison Station South West head house and platform to provide a new flood resilient head house and platform. The investment will protect the critical elements of the station from damage in the event of another major storm.



Counties:
Hudson

Municipalities:
Harrison Town

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$45.242

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$4.527				
CON	SECT 5324	\$40.715				
		\$45.242				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Salt Mitigation

DBNUM: PA1412

Funding is provided for Salt Mitigation projects. Salt water infiltrated several parts of the PATH system. The impacted areas were originally washed down, but later months investigation has shown that salt water is still present and causing corrosion in many assets. The salt can only be removed with very high pressure and close proximity power washing and by chemically neutralizing it. Below are specific locations where salt water impacts are present and mitigation is necessary. Work will begin with Tunnels E & F since they experienced most damage, but other locations are expected and are under investigation. Several teams will begin a survey of the tunnels to quantify what needs to be replaced, cleaned, protected, etc. Tunnel A, Tunnel B, Tunnel E, and Tunnel F.



Counties:
Hudson Essex

Municipalities:
Various

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$11.722

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$1.172			
CON	SECT 5324		\$10.550			
			\$11.722			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Salt Mitigation

DBNUM: PA1412

Funding is provided for Salt Mitigation projects. Salt water infiltrated several parts of the PATH system. The impacted areas were originally washed down, but later months investigation has shown that salt water is still present and causing corrosion in many assets. The salt can only be removed with very high pressure and close proximity power washing and by chemically neutralizing it. Below are specific locations where salt water impacts are present and mitigation is necessary. Work will begin with Tunnels E & F since they experienced most damage, but other locations are expected and are under investigation. Several teams will begin a survey of the tunnels to quantify what needs to be replaced, cleaned, protected, etc. Tunnel A, Tunnel B, Tunnel E, and Tunnel F.



Counties:
Hudson Essex

Municipalities:
Various

NJDOT CIS Category:
Mass Transit Assets

RCIS Category:
Transit Preservation

Sponsor:
PANYNJ

Air Quality Code:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$11.722

**Unconstrained
Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$1.172				
CON	SECT 5324	\$10.550				
		\$11.722				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Trackwork Repair and Restoration

DBNUM: PA1419

This program element includes repair or replacement of track work, ties, welded rail, power rail, breakers, cabling, heater crossovers, drainage and related equipment within the entire PATH right of way and in stations including but not limited to Hoboken and Exchange Place Station for program elements such as but not limited to the replacement of the Hoboken under-platform fans, and the Exchange Place Pump Room projects to repair damaged infrastructure 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) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$5.474

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$0.548			
CON	SECT 5324		\$4.926			
			\$5.474			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Trackwork Repair and Restoration

DBNUM: PA1419

This program element includes repair or replacement of track work, ties, welded rail, power rail, breakers, cabling, heater crossovers, drainage and related equipment within the entire PATH right of way and in stations including but not limited to Hoboken and Exchange Place Station for program elements such as but not limited to the replacement of the Hoboken under-platform fans, and the Exchange Place Pump Room projects to repair damaged infrastructure 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) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$5.474

**Unconstrained
Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$0.548				
CON	SECT 5324	\$4.926				
		\$5.474				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

Trackwork Repair and Restoration

DBNUM: PA1419

This program element includes repair or replacement of track work, ties, welded rail, power rail, breakers, cabling, heater crossovers, drainage and related equipment within the entire PATH right of way and in stations including but not limited to Hoboken and Exchange Place Station for program elements such as but not limited to the replacement of the Hoboken under-platform fans, and the Exchange Place Pump Room projects to repair damaged infrastructure 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) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$16.046

**Unconstrained
Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$1.605				
CON	SECT 5324	\$14.441				
		\$16.046				

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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:
O9, MT8 (Exempt)

Est. Total Project Cost:
(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$3.667

Unconstrained Information Year

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ		\$.367			
CON	SECT 5324		\$3.300			
			\$3.667			

NJTPA

Transportation Improvement Program Fiscal Years 2020 - 2023

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:

O9, MT8 (Exempt)

Est. Total Project Cost:

(Million) Not Available

FY 2020 - 2023 TIP Cost: (Million) \$3.667

**Unconstrained
 Information Year**

PHASE	SOURCE	2020	2021	2022	2023	2024-2029
CON	PANYNJ	\$.367				
CON	SECT 5324	\$3.300				
		\$3.667				