

**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
Port Authority of New York and New Jersey (PANYNJ) -  
Port Authority Trans-Hudson (PATH) Project Descriptions**

**Ductbanks**

*DB#: PA1414 / UPC#: 143090*

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.

**COUNTY:** Hudson Essex

**MUNICIPALITY:** Various

**LEGISLATIVE DISTRICT:** Various

**SPONSOR:** PANY&NJ

**AIR QUALITY CODE (NON-EXEMPT/EXEMPT):** O9, MT6 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Ductbanks	NJTPA	PANY-NJ	2013	\$0.030
Ductbanks	NJTPA	SECT 5324	2013	\$0.250

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$12.345									
NJTPA	CON	SECT 5324	\$111.125									

**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
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**Equipment Purchases**

*DB#: PA1421 / UPC#: 143160*

Funding is provided for equipment purchases. The funds will be used to purchase equipment, generators, compressor plants, inventory stock components to minimize the restoration of full service in the event of a storm similar to Sandy.

COUNTY: Hudson Essex

MUNICIPALITY: Various

LEGISLATIVE DISTRICT: Various

SPONSOR: PANY&NJ

AIR QUALITY CODE (NON-EXEMPT/EXEMPT): MT10 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Equipment Purchases	NJTPA	PANY-NJ	2013	\$0.200
Equipment Purchases	NJTPA	SECT 5324	2013	\$1.800

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$10.000									
NJTPA	CON	SECT 5324	\$90.000									

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**Lifts**

*DB#: PA1416 / UPC#: 143110*

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.

COUNTY: Hudson

MUNICIPALITY: Hoboken City Harrison Twp Jersey City

LEGISLATIVE DISTRICT: 33 32 31

SPONSOR: PANY&NJ

AIR QUALITY CODE (NON-EXEMPT/EXEMPT): O9, MT8 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Lifts	NJTPA	PANY-NJ	2013	\$0.010
Lifts	NJTPA	SECT 5324	2013	\$0.100

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$0.250									
NJTPA	CON	SECT 5324	\$2.230									

**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
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**MacMillan-Bloedel Building Roof Replacement Project**

*DB#: PA1417 / UPC#: 143120*

Funding is provided for the replacement of the roof of the MacMillan-Bloedel Building, which was damaged by high winds. The roof is 30ft x 40ft and was severely damaged. The MacMillan Bloedel is a building at the Consolidated Shop Yard in Jersey City used to store materials and equipment.

COUNTY: Hudson

MUNICIPALITY: Jersey City

LEGISLATIVE DISTRICT: 31

SPONSOR: PANY&NJ

AIR QUALITY CODE (NON-EXEMPT/EXEMPT): O9, MT8 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
MacMillan-Bloedel Building Roof Replacement Project	NJTPA	PANY-NJ	2013	\$0.030
MacMillan-Bloedel Building Roof Replacement Project	NJTPA	SECT 5324	2013	\$0.250

MPO	Phase	Fund	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
NJTPA	CON	PANY-NJ	\$0.980									
NJTPA	CON	SECT 5324	\$8.650									

**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
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Port Authority Trans-Hudson (PATH) Project Descriptions**

**Priority Protective Measures**

*DB#: PA1410 / UPC#: 143050*

High priority protective measures to ensure PATH is well prepared for the upcoming 2013 hurricane season and 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, CIP Wall.

COUNTY: Hudson Essex

MUNICIPALITY: Hoboken City Harrison Twp Jersey City

LEGISLATIVE DISTRICT: 33 32 31

SPONSOR: PANY&NJ

AIR QUALITY CODE (NON-EXEMPT/EXEMPT): O9, MT8 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Priority Protective Measures	NJTPA	PANY-NJ	2013	\$0.975
Priority Protective Measures	NJTPA	SECT 5324	2013	\$8.775

MPO	Phase	Fund	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
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**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
Port Authority of New York and New Jersey (PANYNJ) -  
Port Authority Trans-Hudson (PATH) Project Descriptions**

**Priority Protective Measures with Potential Environmental Impacts**

*DB#: PA1411 / UPC#: 143060*

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.

COUNTY: Hudson

MUNICIPALITY: Harrison Twp Jersey City

LEGISLATIVE DISTRICT: 32 33 31

SPONSOR: PANY&NJ

AIR QUALITY CODE (NON-EXEMPT/EXEMPT): O9, MT8 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Priority Protective Measures with Potential Environmental Impacts	NJTPA	PANY-NJ	2013	\$1.125
Priority Protective Measures with Potential Environmental Impacts	NJTPA	SECT 5324	2013	\$10.125

MPO	Phase	Fund	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023
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**Rail Rolling Stock Resiliency**

*DB#: PA1420 / UPC#: 143150*

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.

COUNTY: Hudson

MUNICIPALITY: Jersey City

LEGISLATIVE DISTRICT: 31

SPONSOR: PANY&NJ

AIR QUALITY CODE (NON-EXEMPT/EXEMPT): MT8 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Rail Rolling Stock Resiliency	NJTPA	PANY-NJ	2013	\$0.030
Rail Rolling Stock Resiliency	NJTPA	SECT 5324	2013	\$0.230

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$0.970									
NJTPA	CON	SECT 5324	\$8.770									

**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
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**Salt Mitigation**

*DB#: PA1412 / UPC#: 143070*

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

**COUNTY:** Hudson Essex

**MUNICIPALITY:** Various

**LEGISLATIVE DISTRICT:** Various

**SPONSOR:** PANY&NJ

**AIR QUALITY CODE (NON-EXEMPT/EXEMPT):** O9, MT8 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<i><u>Description</u></i>	<i><u>MPO</u></i>	<i><u>Fund</u></i>	<i><u>Year</u></i>	<i><u>Amount</u></i>
Salt Mitigation	NJTPA	PANY-NJ	2013	\$1.500
Salt Mitigation	NJTPA	SECT 5324	2013	\$13.500

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
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**Signals Replacement Program**

*DB#: PA1418 / UPC#: 143130*

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.

**COUNTY:** Hudson Essex

**MUNICIPALITY:** Various

**LEGISLATIVE DISTRICT:** Various

**SPONSOR:** PANY&NJ

**AIR QUALITY CODE (NON-EXEMPT/EXEMPT):** O9, MT6 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Signals Replacement Program	NJTPA	PANY-NJ	2013	\$7.000
Signals Replacement Program	NJTPA	SECT 5324	2013	\$63.000

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$31.600									
NJTPA	CON	SECT 5324	\$284.400									

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**Substations**

*DB#: PA1413 / UPC#: 143080*

Replacement and upgrades of four substations, which provide power to the PATH System. Funding is provided for substation replacement projects. These substations were damaged by storm surges and flooding. Equipment was damaged and not operational and has been replaced or refurbished. The outdoor switch yard and building were also undermined due to 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 substation can continue to operate during the construction period without any interruption to service. Tunnel A, Tunnel B, Tunnel E, and Tunnel F

**COUNTY:** Hudson Essex

**MUNICIPALITY:** Various

**LEGISLATIVE DISTRICT:** Various

**SPONSOR:** PANY&NJ

**AIR QUALITY CODE (NON-EXEMPT/EXEMPT):** O9, MT6 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Substations	NJTPA	PANY-NJ	2013	\$0.060
Substations	NJTPA	SECT 5324	2013	\$0.500

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$19.280									
NJTPA	CON	SECT 5324	\$173.540									

**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
Port Authority of New York and New Jersey (PANYNJ) -  
Port Authority Trans-Hudson (PATH) Project Descriptions**

**Trackwork Repair and Restoration**

*DB#: PA1419 / UPC#: 143140*

Funding is provided for Trackwork repair and restoration. The funds will be used to repair or replace trackwork, ties, welded rail, power rail, breakers, cabling, heaters, crossovers, drainage and related equipment damaged by floodwaters and related debris as well as saltwater damage.

COUNTY: Hudson Essex

MUNICIPALITY: Various

LEGISLATIVE DISTRICT: Various

SPONSOR: PANY&NJ

AIR QUALITY CODE (NON-EXEMPT/EXEMPT): O9, MT9 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<u>Description</u>	<u>MPO</u>	<u>Fund</u>	<u>Year</u>	<u>Amount</u>
Trackwork Repair and Restoration	NJTPA	PANY-NJ	2013	\$1.300
Trackwork Repair and Restoration	NJTPA	SECT 5324	2013	\$11.700

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$19.700									
NJTPA	CON	SECT 5324	\$177.300									

**FY 2014-2023 STATEWIDE TRANSPORTATION IMPROVEMENT PROGRAM  
Port Authority of New York and New Jersey (PANYNJ) -  
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**Vertical Transportation**

*DB#: PA1415 / UPC#: 143100*

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.

**COUNTY:** Hudson

**MUNICIPALITY:** Hoboken City Harrison Twp Jersey City

**LEGISLATIVE DISTRICT:** 33 32 31

**SPONSOR:** PANY&NJ

**AIR QUALITY CODE (NON-EXEMPT/EXEMPT):** O9, MT8 (Exempt)

***UNOBLIGATED PRIOR YEAR FUNDING***

<i>Description</i>	<i>MPO</i>	<i>Fund</i>	<i>Year</i>	<i>Amount</i>
Vertical Transportation	NJTPA	PANY-NJ	2013	\$0.390
Vertical Transportation	NJTPA	SECT 5324	2013	\$3.500

<b>MPO</b>	<b>Phase</b>	<b>Fund</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
NJTPA	CON	PANY-NJ	\$2.660									
NJTPA	CON	SECT 5324	\$24.300									