

# NJTPA

## Transportation Improvement Program Fiscal Years 2012 - 2015

ADDITION TO TIP AS OF 9/30/2013

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

FY 2012 - 2015 TIP Cost: (Million) \$123.750

Unconstrained  
Information

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.030	\$12.345		
CON	SECT 5324		\$.250	\$111.125		
			\$.280	\$123.470		

ADDITION TO TIP AS OF 9/30/2013

Equipment Purchases

DBNUM: PA1421

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

FY 2012 - 2015 TIP Cost: (Million) \$102.000

Unconstrained  
Information

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.200	\$10.000		
CON	SECT 5324		\$1.800	\$90.000		
			\$2.000	\$100.000		

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**ADDITION TO TIP AS OF 9/30/2013**

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$2.590**

**Unconstrained Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.010	\$.250		
CON	SECT 5324		\$.100	\$2.230		
			\$.110	\$2.480		

**ADDITION TO TIP AS OF 9/30/2013**

MacMillan-Bloedel Building Roof Replacement Project

**DBNUM:** PA1417

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$9.910**

**Unconstrained Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.030	\$.980		
CON	SECT 5324		\$.250	\$8.650		
			\$.280	\$9.630		

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## Transportation Improvement Program Fiscal Years 2012 - 2015

### ADDITION TO TIP AS OF 9/30/2013

Priority Protective Measures

**DBNUM:** PA1410

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$9.750**

**Unconstrained Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.975			
CON	SECT 5324		\$8.775			
			\$9.750			

### ADDITION TO TIP AS OF 9/30/2013

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$11.250**

**Unconstrained Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$1.125			
CON	SECT 5324		\$10.125			
			\$11.250			

# NJTPA Transportation Improvement Program Fiscal Years 2012 - 2015

## ADDITION TO TIP AS OF 9/30/2013

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$10.000**

**Unconstrained  
Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.030	\$.970		
CON	SECT 5324		\$.230	\$8.770		
			\$.260	\$9.740		

## ADDITION TO TIP AS OF 9/30/2013

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

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$15.000**

**Unconstrained  
Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$1.500			
CON	SECT 5324		\$13.500			
			\$15.000			

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## Transportation Improvement Program Fiscal Years 2012 - 2015

ADDITION TO TIP AS OF 9/30/2013

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

FY 2012 - 2015 TIP Cost: (Million) \$386.000

Unconstrained  
Information

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$7.000	\$31.600		
CON	SECT 5324		\$63.000	\$284.400		
			\$70.000	\$316.000		

ADDITION TO TIP AS OF 9/30/2013

Substations

DBNUM: PA1413

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

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

FY 2012 - 2015 TIP Cost: (Million) \$193.380

Unconstrained  
Information

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.060	\$19.280		
CON	SECT 5324		\$.500	\$173.540		
			\$.560	\$192.820		

# NJTPA Transportation Improvement Program Fiscal Years 2012 - 2015

## ADDITION TO TIP AS OF 9/30/2013

Trackwork Repair and Restoration

**DBNUM:** PA1419

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$210.000**

**Unconstrained  
Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$1.300	\$19.700		
CON	SECT 5324		\$11.700	\$177.300		
			\$13.000	\$197.000		

## ADDITION TO TIP AS OF 9/30/2013

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.

**NJDOT CIS Category:** Mass Transit Assets

**RCIS Category:** Transit Preservation

**Sponsor:** PANY&NJ

**Air Quality Code:**

**FY 2012 - 2015 TIP Cost: (Million) \$30.850**

**Unconstrained  
Information**

PHASE	SOURCE	2012	2013	2014	2015	2016-2021
CON	PANY&NJ		\$.390	\$2.660		
CON	SECT 5324		\$3.500	\$24.300		
			\$3.890	\$26.960		