

# DVRPC FY2018-2021 TIP for New Jersey

New Jersey Transit Program

Final Version

## DRPA/PATCO

### DB# DR046 DRPA - Rebuild PATCO Cars

AQCODE: M10

This project will provide for the replacement of PATCO's existing car fleet, through complete rebuilding of existing cars.

The following special Federal appropriations were allocated to this project. SAFETEA-LU provided \$10,000,000 under Section 1934 (DEMO ID# NJ245, bal. avail. \$4,079,550) and \$40,000,000 under Section 1701. LY30 Transport Projects provided DEMO ID #NJ261 \$962,025.

CMP: Not SOV Capacity Adding  
 Municipalities: Various  
 CIS Program Subcategory: DRPA Improvement  
 Project Manager: DRPA/PATCO  
 Mileposts:  
 Improvement Type: Transit Improvements

Planning Center: None  
 CIS Program Category: Mass Transit Assets  
 IPD:  
 Sponsor: DRPA/PATCO

Mapped: N

#### Unobligated Prior Year Funding

Year	Fund	Cost
2017	DRPA	\$0.000
2017	SECT 5307	\$0.000
		<u>\$0.000</u>

#### TIP Program Years (\$ millions)

#### Later Fiscal Years (\$ millions)

Phase	Fund	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
EC	DRPA	0.000	1.115	1.400							
EC	SECT 5309	0.000									
EC	SECT 5307	0.000	4.462	5.600							
<b>Fiscal Year Total</b>		<b>0.000</b>	<b>5.577</b>	<b>7.000</b>							
<b>Total FY2018-2021</b>					<b>12.577</b>	<b>Total Later FY2022-2027</b>					

### DB# DR008 Electrical Cable Replacement

AQCODE: M6

This program will provide for systemwide replacement of electrical cable to improve reliability and fire resistance.

CMP: Not SOV Capacity Adding  
 Municipalities: Various  
 CIS Program Subcategory: DRPA Improvement  
 Project Manager: DRPA/PATCO  
 Mileposts:  
 Improvement Type: Transit Improvements

Planning Center: None  
 CIS Program Category: Mass Transit Assets  
 IPD:  
 Sponsor: DRPA/PATCO

Mapped: N

#### TIP Program Years (\$ millions)

#### Later Fiscal Years (\$ millions)

Phase	Fund	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ERC	DRPA	0.000	0.545	0.800							
ERC	SECT 5337	0.000	2.178	3.200							
<b>Fiscal Year Total</b>		<b>0.000</b>	<b>2.723</b>	<b>4.000</b>							
<b>Total FY2018-2021</b>					<b>6.723</b>	<b>Total Later FY2022-2027</b>					

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**DB# DR015 Embankment, Fence, and Retaining Wall Restoration/Rehabilitation**

**AQCODE:** M9 This program will address embankment restoration to prevent erosion and preserve drainage control. Project includes fencing and retaining wall rehabilitation or replacement.

**CMP:** Not SOV Capacity Adding

**Municipalities:** Various **Planning Center:** None

**CIS Program Subcategory:** DRPA Improvement **CIS Program Category:** Mass Transit Assets

**Project Manager:** DRPA/PATCO **IPD:**

**Mileposts:** **Sponsor:** DRPA/PATCO

**Improvement Type:** Transit Improvements **Mapped:** N

Unobligated Prior Year Funding		
Year	Fund	Cost
2017	DRPA	\$0.000
2017	DRPA	\$0.000
2017	DRPA	\$0.000
2017	SECT 5307	\$0.000
		\$0.000

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ERC DRPA	0.000	0.509	0.300							
ERC SECT 5307	0.000	2.037	1.200							
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>2.546</b>	<b>1.500</b>							
<b>Total FY2018-2021</b>				<b>4.046</b>	<b>Total Later FY2022-2027</b>					

**DB# D0906 Install Elevators, PATCO**

**AQCODE:** M8 Installation of ADA compliant elevators at PATCO stations.

**CMP:** Not SOV Capacity Adding

**Municipalities:** Various **Planning Center:** Town Center

**CIS Program Subcategory:** DRPA Improvement **CIS Program Category:** Mass Transit Assets

**Project Manager:** DRPA/PATCO **IPD:**

**Mileposts:** **Sponsor:** DRPA/PATCO

**Improvement Type:** Transit Improvements **Mapped:** Y

Unobligated Prior Year Funding		
Year	Fund	Cost
2017	DRPA	\$0.000
2017	SECT 5337	\$0.000
		\$0.000

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
EC DRPA	0.000	1.400	0.950	0.200						
EC SECT 5337	0.000	5.600	3.800	0.800						
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>7.000</b>	<b>4.750</b>	<b>1.000</b>						
<b>Total FY2018-2021</b>				<b>12.750</b>	<b>Total Later FY2022-2027</b>					

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## DRPA/PATCO

### DB# DR044 Lindenwold Yard Tie Renewal, Lindenwold Viaduct, and Overall Improvements

AQCODE: M9

This project includes the replacement of ties, rails and turnout components at Lindenwold Yard and replacement of direct fixation system, including track fasteners, anchors, concrete, and guard rail on Lindenwold viaducts. Also electrical systems and distribution of the third rail power within the yard will be modified and improved. Up to 4.5 miles of track and 53 turnouts will be replaced.

CMP: Not SOV Capacity Adding Adding Subcorr(s): 5C  
 Municipalities: Various Planning Center: None  
 CIS Program Subcategory: DRPA Improvement CIS Program Category: Mass Transit Assets  
 Project Manager: DRPA/PATCO IPD:  
 Mileposts: Sponsor: DRPA/PATCO  
 Improvement Type: Transit Improvements **Mapped: Y**

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ERC DRPA	0.800	1.500	0.727	0.000						
ERC SECT 5337	5.200	6.000	2.906	0.000						
<b>Fiscal Year Total</b>	<b>6.000</b>	<b>7.500</b>	<b>3.633</b>	<b>0.000</b>						
	<b>Total FY2018-2021</b>				<b>Total Later FY2022-2027</b>					
	17.133									

### DB# DR1501 PATCO Interlocking & Track Rehabilitation

AQCODE: M9

This program includes rehabilitation and replacement of interlockings, rail bed, and other rail improvements to ensure overall system safety, reliability, and minimal service disruptions.

CMP: Not SOV Capacity Adding  
 Municipalities: Various Planning Center: None  
 CIS Program Subcategory: DRPA Improvement CIS Program Category: Mass Transit Assets  
 Project Manager: DRPA/PATCO IPD:  
 Mileposts: Sponsor: DRPA/PATCO  
 Improvement Type: Transit Improvements **Mapped: N**  
 This project may be suitable for ITS treatments.

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)					
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
EC DRPA	0.000	0.200	0.300	0.860	0.900	0.600				
EC SECT 5307						2.400				
EC SECT 5307	0.000	0.800	1.200	3.440	3.600					
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>1.000</b>	<b>1.500</b>	<b>4.300</b>	<b>4.500</b>	<b>3.000</b>				
	<b>Total FY2018-2021</b>				<b>Total Later FY2022-2027</b>					
	6.800				7.500					

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## DRPA/PATCO

**DB# DR1803 PATCO Station Platform Rehabilitation** **NEW**

**AQCODE:** M8 This project will consist of the planning and design to include reinforcement of concrete, steel member rehabilitation, steel and concrete components of the platforms & stairway enclosures.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 2C, 5C
Municipalities:	Cherry Hill Township	Planning Center: None
CIS Program Subcategory:		CIS Program Category: Mass Transit Assets
Project Manager:	DRPA/PATCO	IPD:
Mileposts:	N/A	Sponsor: DRPA/PATCO
Improvement Type:	Transit Improvements	<b>Mapped: Y</b>

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)						
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
ERC DRPA		0.000	0.100	0.260	0.200	0.200	1.000	1.000	1.600	1.600	
ERC SECT 5307						0.800	4.000	4.000	6.400	6.400	
ERC SECT 5307		0.000	0.400	1.040	0.800						
<b>Fiscal Year Total</b>		<b>0.000</b>	<b>0.500</b>	<b>1.300</b>	<b>1.000</b>	<b>1.000</b>	<b>5.000</b>	<b>5.000</b>	<b>8.000</b>	<b>8.000</b>	
		<b>Total FY2018-2021</b>			<b>1.800</b>	<b>Total Later FY2022-2027</b>				<b>28.000</b>	

**DB# DR034 Preventive Maintenance**

**AQCODE:** M3 This project will provide for preventive maintenance expenses pertaining to activities performed on vehicles and facilities.

CMP:	Not SOV Capacity Adding	Planning Center: None
Municipalities:	Various	CIS Program Category: Mass Transit Assets
CIS Program Subcategory:	DRPA Improvement	IPD:
Project Manager:	DRPA/PATCO	Sponsor: DRPA/PATCO
Mileposts:		
Improvement Type:	Transit Improvements	<b>Mapped: N</b>

Unobligated Prior Year Funding		
Year	Fund	Cost
2017	DRPA	\$0.000
2017	SECT 5307	\$0.000
2017	SECT 5337	\$0.000
2017	SECT 5340	\$0.000
		<b>\$0.000</b>

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)						
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
ERC DRPA	0.000	1.655	0.790	0.395	0.395	0.395	0.395	0.395	0.395	0.395	
ERC SECT 5307	0.000	3.359	1.003	0.600	0.700	0.700	0.700	0.700	0.700	0.700	
ERC SECT 5337	0.000	2.400	1.457	0.700	0.600	0.600	0.600	0.600	0.600	0.600	
ERC SECT 5340	0.000	0.861	0.700	0.280	0.280	0.280	0.280	0.280	0.280	0.280	
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>8.275</b>	<b>3.950</b>	<b>1.975</b>	<b>1.975</b>	<b>1.975</b>	<b>1.975</b>	<b>1.975</b>	<b>1.975</b>	<b>1.975</b>	
		<b>Total FY2018-2021</b>			<b>14.200</b>	<b>Total Later FY2022-2027</b>				<b>11.850</b>	

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## DRPA/PATCO

### DB# DR038 Relocation of Center Tower/SCADA Modernization

AQCODE: M8

This program will provide for the fit-out of the second floor of an existing Administration/Center Tower building at Lindenwold for the purpose of relocating Center Tower from Camden to Lindenwold. Additionally, it will provide for the purchase and installation of new equipment for centralized train control, traction power control, and integrated customer service/communication. This project contains ITS elements and Supervisory Control and Data Acquisition (SCADA) modernization.

CMP: Not SOV Capacity Adding Adding Subcorr(s): 5C  
 Municipalities: Various Planning Center: None  
 CIS Program Subcategory: DRPA Improvement CIS Program Category: Mass Transit Assets  
 Project Manager: DRPA/PATCO IPD:  
 Mileposts: Sponsor: DRPA/PATCO  
 Improvement Type: Transit Improvements Mapped: Y  
 This project contains ITS elements.

#### Unobligated Prior Year Funding

Year	Fund	Cost
2017	DRPA	\$0.000
2017	SECT 5337	\$0.000
		<b>\$0.000</b>

#### TIP Program Years (\$ millions)

#### Later Fiscal Years (\$ millions)

Phase Fund	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
ERC DRPA	0.000	0.883	0.400							
ERC SECT 5337	0.000	3.533	1.600							
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>4.416</b>	<b>2.000</b>							
<b>Total FY2018-2021</b>				<b>6.416</b>	<b>Total Later FY2022-2027</b>					

### DB# DR1801 Reopening of Franklin Square

NEW

AQCODE: 2035M

The re-opening of Franklin Square will include scoping and preliminary design work needed to repair, update, and enhance the currently closed station to full operation. Improvements will include ADA accessibility, structural, electrical, plumbing, communication, signal and security elements.

CMP: Not SOV Capacity Adding  
 Municipalities: Various Planning Center: None  
 CIS Program Subcategory: DRPA/PATCO CIS Program Category: Mass Transit Assets  
 Project Manager: DRPA/PATCO IPD:  
 Mileposts: N/A Sponsor: DRPA/PATCO  
 Improvement Type: Transit Improvements Mapped: Y

#### TIP Program Years (\$ millions)

#### Later Fiscal Years (\$ millions)

Phase Fund	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
ERC DRPA	0.000	0.343	1.100	1.600	1.600	1.800					
ERC SECT 5337	0.000	1.371	4.400	6.400	6.400	7.200					
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>1.714</b>	<b>5.500</b>	<b>8.000</b>	<b>8.000</b>	<b>9.000</b>					
<b>Total FY2018-2021</b>				<b>15.214</b>	<b>Total Later FY2022-2027</b>						<b>17.000</b>

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## DRPA/PATCO

**DB# DR019 Smoke and Fire Control**

**AQCODE:** M6 This program will provide smoke and fire control for evacuation of patrons in emergencies and ventilation improvements.

**CMP:** Not SOV Capacity Adding

**Municipalities:** Various

**Planning Center:** None

**CIS Program Subcategory:** DRPA Improvement

**CIS Program Category:** Mass Transit Assets

**Project Manager:** DRPA/PATCO

**IPD:**

**Mileposts:**

**Sponsor:** DRPA/PATCO

**Improvement Type:** Transit Improvements

**Mapped:** N

This project may be suitable for ITS treatments.

**Unobligated Prior Year Funding**

Year	Fund	Cost
2017	DRPA	\$0.000
2017	SECT 5337	\$0.000
		<u>\$0.000</u>

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)						
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
ERC DRPA	0.000	0.250	0.200	0.100	0.100	0.100	0.100	0.100	0.100	0.100	
ERC SECT 5337	0.000	1.000	0.800	0.400	0.400	0.400	0.400	0.400	0.400	0.400	
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>1.250</b>	<b>1.000</b>	<b>0.500</b>	<b>0.500</b>	<b>0.500</b>	<b>0.500</b>	<b>0.500</b>	<b>0.500</b>	<b>0.500</b>	
<b>Total FY2018-2021</b>				<b>2.750</b>	<b>Total Later FY2022-2027</b>						<b>3.000</b>

**DB# DR1802 Subway Structures Renovation**

**NEW**

**AQCODE:** M8 This program will provide for preventive repairs of pedestrian bridges, tunnels, subway stations, pump rooms owned by PATCO including but not limited to miscellaneous steel repair, concrete repair, joint filler, painting, waterproofing, and tunnel leakage mitigation throughout the PATCO High Speed Line System.

**CMP:** Not SOV Capacity Adding

**Municipalities:** Various

**Planning Center:** Metropolitan Center

**CIS Program Subcategory:** DRPA/PATCO

**CIS Program Category:** Mass Transit Assets

**Project Manager:** DRPA/PATCO

**IPD:**

**Mileposts:** N/A

**Sponsor:** DRPA/PATCO

**Improvement Type:** Transit Improvements

**Mapped:** Y

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)						
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
ERC DRPA	0.000	0.200	0.400	0.300	0.600	0.550	0.800	0.400			
ERC SECT 5337						2.200	3.200	1.600			
ERC SECT 5337	0.000	0.800	1.600	1.200	2.400						
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>1.000</b>	<b>2.000</b>	<b>1.500</b>	<b>3.000</b>	<b>2.750</b>	<b>4.000</b>	<b>2.000</b>			
<b>Total FY2018-2021</b>				<b>4.500</b>	<b>Total Later FY2022-2027</b>						<b>11.750</b>

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## DRPA/PATCO

**DB# DR036 Transit Enhancements**

AQCODE: X12 This program will support transit enhancements.

CMP: Not SOV Capacity Adding

Municipalities: Various

Planning Center: None

CIS Program Subcategory: DRPA Improvement

CIS Program Category: Mass Transit Assets

Project Manager: DRPA/PATCO

IPD:

Mileposts:

Sponsor: DRPA/PATCO

Improvement Type: Transit Improvements

**Mapped: N**

**Unobligated Prior Year Funding**

Year	Fund	Cost
2017	DRPA	\$0.000
2017	SECT 5307	\$0.000
		\$0.000

**TIP Program Years (\$ millions)**

**Later Fiscal Years (\$ millions)**

Phase Fund	TIP Program Years (\$ millions)				Later Fiscal Years (\$ millions)						
	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
ERC DRPA	0.000	0.052	0.028	0.014	0.014	0.014	0.014	0.014	0.014	0.014	
ERC SECT 5307	0.000	0.207	0.112	0.056	0.056	0.056	0.056	0.056	0.056	0.056	
<b>Fiscal Year Total</b>	<b>0.000</b>	<b>0.259</b>	<b>0.140</b>	<b>0.070</b>	<b>0.070</b>	<b>0.070</b>	<b>0.070</b>	<b>0.070</b>	<b>0.070</b>	<b>0.070</b>	
<u>Total FY2018-2021</u>				<i>0.469</i>	<u>Total Later FY2022-2027</u>						<i>0.420</i>

Total for Various (amount includes STATE-DVRPC funding from FY14 to FY17 that are programmed in FY18 to FY27 for encumbrance):

6.000	43.260	37.473	18.645	19.045	18.295	11.545	9.545	10.545	10.545	
<u>Total FY2018-2021</u>				<i>105.378</i>	<u>Total Later FY2022-2027</u>					<i>79.520</i>