

DVRPC FY2024 TIP for New Jersey

New Jersey Transit Program

Final Version

DRPA/PATCO

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 **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

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)						
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
ERC	DRPA	0.325	0.325	1.600	1.600	0.700						
ERC	SECT 5337	1.300	1.300	6.400	6.400	2.800						
Fiscal Year Total		1.625	1.625	8.000	8.000	3.500						
Total First Four Years:				19.250	Total Later Fiscal Years:				3.500			

DB# DR2302 Embankment Restoration, Drainage Improvement & Retaining Walls 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: Various **Planning Center:** None
CIS Program Subcategory: DRPA/PATCO **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 (In Millions)				Later Fiscal Years (In Millions)						
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
CON	DRPA		0.880	0.200								
CON	SECT 5337		3.520	0.800								
Fiscal Year Total			4.400	1.000								
Total First Four Years:				5.400	Total Later Fiscal Years:							

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DB# DR2203 PATCO Fare Collection Equipment Upgrades

AQCODE: M1

This project will upgrade all obsolete parts of PATCO's Fare Collection system to give the ability for PATCO riders to have "open payment" at all patco stations.

CMP:

Municipalities:	Various	Planning Center:	None
CIS Program Subcategory:		CIS Program Category:	Local System Support
Project Manager:	DRPA/PATCO	IPD:	
Mileposts:	N/A	Sponsor:	DRPA/PATCO
Improvement Type:	Transit Improvements		Mapped: Y

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EC	DRPA	0.500	1.000								
EC	SECT 5337	2.000	4.000								
Fiscal Year Total		2.500	5.000								
Total First Four Years:				7.500	Total Later Fiscal Years:						

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:

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 This project may be suitable for ITS treatments.		Mapped: N

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EC	DRPA	0.060	0.410	0.475	0.720		0.525	0.395	0.435	1.475	1.620
EC	SECT 5307	0.240	1.640	1.900	2.880		2.100	1.580	1.740	5.900	6.480
Fiscal Year Total		0.300	2.050	2.375	3.600		2.625	1.975	2.175	7.375	8.100
Total First Four Years:				8.325	Total Later Fiscal Years:						22.250

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DB# DR2303 PATCO Lindenwold Shop **NEW**

AQCODE: M8

Rehabilitation of the PATCO Lindenwold Shop building that is over 50 years old. This project will upgrade all building systems.

CMP:

Municipalities:	Lindenwold Borough	Planning Center: None
CIS Program Subcategory:		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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
CON	DRPA					1.490	1.270	1.250			
CON	SECT 5337					5.940	5.080	5.000			
Fiscal Year Total						7.430	6.350	6.250			
Total First Four Years:						Total Later Fiscal Years:			20.030		

DB# DR2307 PATCO Rail Replacement **NEW**

AQCODE: M9

This project will replace PATCO's running rail and third rail above ground in New Jersey. Ferry Avenue to Woodcrest, select sections.

CMP:

Municipalities:		Planning Center: None
CIS Program Subcategory:		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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
DES	DRPA						0.250				
CON	DRPA							0.625	0.625		
CON	SECT 5337							2.500	2.500		
DES	SECT 5337						1.000				
Fiscal Year Total						1.250	3.125	3.125			
Total First Four Years:						Total Later Fiscal Years:			7.500		

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DRPA/PATCO

DB# DR2308 PATCO Retaining Wall & Embankment Restoration *NEW*

AQCODE: M8

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

CMP:

Municipalities:

Planning Center: None

CIS Program Subcategory:

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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
DES	DRPA								0.063	0.375	
DES	SECT 5337								0.250	1.500	
Fiscal Year Total									0.313	1.875	
Total First Four Years:						Total Later Fiscal Years:				2.188	

DB# DR2306 PATCO Signal System *NEW*

AQCODE: M9

Project will include upgrades to the train signal system in New Jersey.

CMP:

Municipalities:

Planning Center: None

CIS Program Subcategory:

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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
DES	DRPA					0.188	0.250				
CON	DRPA								0.250	1.250	1.000
DES	SECT 5337					0.750	1.000				
CON	SECT 5337								1.000	5.000	4.000
Fiscal Year Total						0.938	1.250	1.250	6.250	5.000	
Total First Four Years:						Total Later Fiscal Years:				14.688	

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DRPA/PATCO

DB# DR1803 PATCO Station Platform Rehabilitation

MRPID: FD

AQCODE: M8

Project will include planning, design, and reconstruction of PATCO Station Platforms. Work will include rehabilitation as well as replacement of concrete platforms and supporting structures including concrete and steel repairs.

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 **Mapped: Y**

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)						
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
ERC	DRPA	1.230	0.565	0.520		0.390	1.000	1.000	1.000			
ERC	SECT 5307	4.920	2.260	2.080		1.560	4.000	4.000	4.000			
Fiscal Year Total		6.150	2.825	2.600		1.950	5.000	5.000	5.000			
Total First Four Years:				11.575	Total Later Fiscal Years:				16.950			

DB# DR2006 PATCO Stations Modernizations

AQCODE: M8

Modernize all commuter stations and extend the useful life of the stations and their major components. This project will enhance the experience for riders and motorists who use the facilities and enhance the appeal to nearby residents, businesses, and property.

CMP: Various Planning Center: None
 Municipalities: Various Planning Center: None
 CIS Program Subcategory: CIS Program Category: Local System Support
 Project Manager: DRPA/PATCO IPD:
 Mileposts: N/A Sponsor: DRPA/PATCO
 Improvement Type: Transit Improvements **Mapped: Y**

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)						
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
EC	DRPA	0.100	0.100	0.400	1.000		0.380	0.630	1.250			
EC	SECT 5337	0.400	0.400	1.600	4.000		1.500	2.500	5.000			
Fiscal Year Total		0.500	0.500	2.000	5.000		1.880	3.130	6.250			
Total First Four Years:				8.000	Total Later Fiscal Years:				11.260			

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DB# DR2304 PATCO Substation Improvements *NEW*
AQCODE: M6 The project will include upgrades to equipment, including rehabilitation of the buildings at New Jersey PATCO substations.
CMP:
Municipalities: Planning Center: None
CIS Program Subcategory: 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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
CON	DRPA								0.500	1.100	0.540
DES	DRPA						0.250	0.250			
CON	SECT 5337								2.000	4.400	2.160
DES	SECT 5337						1.000	1.000			
Fiscal Year Total							1.250	1.250	2.500	5.500	2.700
		Total First Four Years:				Total Later Fiscal Years:			13.200		

DB# D1911 PATCO Track Resurfacing & Rail Profile Grinding
AQCODE: M9 This project involves adjusting the track to eliminate minor horizontal and vertical shifts that impact ride quality. Work also includes the replacement of rail ties, ballast cleaning, and improvements to the shoulder that impact the track.
CMP: Not SOV Capacity Adding
Municipalities: Various Planning Center: None
CIS Program Subcategory: CIS Program Category: Local System Support
Project Manager: DRPA/PATCO **IPD:**
Mileposts: Sponsor: DRPA/PATCO
Improvement Type: Transit Improvements **Mapped: Y**

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
CON	DRPA	0.010	0.020	0.020	0.100		0.100	0.100	0.100	0.110	
CON	SECT 5307	0.040	0.080	0.080	0.400		0.400	0.400	0.400	0.440	
Fiscal Year Total		0.050	0.100	0.100	0.500		0.500	0.500	0.500	0.550	
		Total First Four Years:				Total Later Fiscal Years:			2.050		

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DB# DR2305 PATCO Traction Power *NEW*
AQCODE: M6 Project will include upgrades to the PATCO traction power system in New Jersey.
CMP:
Municipalities: Planning Center: None
CIS Program Subcategory: 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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
CON	DRPA								0.250	1.250	1.000
DES	DRPA						0.188	0.250			
CON	SECT 5337								1.000	5.000	4.000
DES	SECT 5337						0.750	1.000			
Fiscal Year Total							0.938	1.250	1.250	6.250	5.000
Total First Four Years:					Total Later Fiscal Years:			14.688			

DB# DR2007 PATCO Viaduct Preservation Project

AQCODE: M9 The purpose of this project is to improve and protect the Collingswood and Westmont viaducts and will extend the useful life of this portion of the PATCO infrastructure.
CMP:
Municipalities: Various Planning Center: None
CIS Program Subcategory: CIS Program Category: Local System Support
Project Manager: DRPA/PATCO **IPD:**
Mileposts: N/A Sponsor: DRPA/PATCO
Improvement Type: Transit Improvements **Mapped: Y**

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EC	DRPA	0.500				0.250	0.380	0.380	0.630	0.250	0.250
EC	SECT 5337	2.000				1.000	1.500	1.500	2.500	1.000	1.000
Fiscal Year Total		2.500				1.250	1.880	1.880	3.130	1.250	1.250
Total First Four Years:				2.500	Total Later Fiscal Years:			10.640			

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DB# D1305 Pedestrian Bridge and Tunnel Rehabilitation

AQCODE: A2

This project will provide for the planning, design, and construction to rehabilitate Pedestrian Bridges and Tunnels. The projects will allow for preventive repairs of bridges and tunnels owned by PATCO, including structural steel and concrete repairs, installation of protective coatings, miscellaneous steel repair, joint filler and spot paint.

CMP:	Not SOV Capacity Adding	Adding Subcorr(s): 5B, 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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
EC	DRPA					0.700	0.900				
EC	SECT 5337					2.800	3.600				
Fiscal Year Total						3.500	4.500				
Total First Four Years:					Total Later Fiscal Years:			8.000			

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	
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

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ERC	DRPA	0.451	0.454	0.457	0.460	0.463	0.465	0.467	0.470	0.473	0.476
ERC	SECT 5307	0.700	0.050	0.050	0.050	0.050	0.050	0.700	0.700	0.700	0.700
ERC	SECT 5337	0.600	1.250	1.250	1.250	1.250	1.250	0.600	0.600	0.600	0.600
ERC	SECT 5340	0.502	0.513	0.524	0.535	0.546	0.557	0.569	0.581	0.593	0.606
Fiscal Year Total		2.253	2.267	2.281	2.295	2.309	2.322	2.336	2.351	2.366	2.382
Total First Four Years:				9.096	Total Later Fiscal Years:			14.066			

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DB# D1912 Rehabilitation of PATCO Bridges

MRPID: FB

AQCODE: M9

Project will consist of the planning, design, and construction to rehabilitate PATCO Bridges. Work will include concrete and steel repairs, bearing replacement, column repairs, drainage, and abutment/wingwall repairs.

CMP: Not SOV Capacity Adding

Municipalities: Various

Planning Center: None

CIS Program Subcategory:

CIS Program Category: Local System Support

Project Manager: DRPA/PATCO

IPD:

Mileposts:

Sponsor: DRPA/PATCO

Improvement Type: Transit Improvements

Mapped: Y

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)						
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
ERC	DRPA	0.200	0.100	0.200	0.600	0.600		0.375	0.500			
ERC	SECT 5337	0.800	0.400	0.800	2.400	2.400		1.500	2.000			
Fiscal Year Total		1.000	0.500	1.000	3.000	3.000		1.875	2.500			
Total First Four Years:				5.500	Total Later Fiscal Years:					7.375		

DB# DR2301 Replacement of Track Ties

AQCODE: M9

This project will involve the replacement of cracked/broken concrete ties, split/decaying wood ties, and decaying embedded block ties throughout the PATCO track Right-of-Way.

CMP:

Municipalities: Various

Planning Center: None

CIS Program Subcategory:

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 (In Millions)				Later Fiscal Years (In Millions)						
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
CON	DRPA	0.785	0.200	0.400	0.200							
CON	SECT 5337	3.140	0.800	1.600	0.800							
Fiscal Year Total		3.925	1.000	2.000	1.000							
Total First Four Years:				7.925	Total Later Fiscal Years:							

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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.

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ERC	DRPA	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100		
ERC	SECT 5337	0.400	0.400	0.400	0.400	0.400	0.400	0.400	0.400		
Fiscal Year Total		0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500		
Total First Four Years:					2.000	Total Later Fiscal Years:					2.000

DB# DR1802 Subway Structures Renovation

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: **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 (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ERC	DRPA	0.860	0.960	0.620	0.275						
ERC	SECT 5337	3.440	3.840	2.480	1.100						
Fiscal Year Total		4.300	4.800	3.100	1.375						
Total First Four Years:					13.575	Total Later Fiscal Years:					

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DB# DR15001A Track Drainage Improvements-Cuthbert & Osage

AQCODE: M9

This project will involve the rebuilding of the track bed, removal of fouled ballast and installation of new track drains. Rebuilding of the track and installation of new drains is intended to address the profile issues PATCO has experienced at these locations for the last 20 years. It is a break-out of the parent project, PATCO Interlocking & Track Rehabilitation (DB #DR1501).

CMP:

Municipalities: Various
 CIS Program Subcategory: Various
 Project Manager: Howard, Mike
 Mileposts: n/a
 Improvement Type: Transit Improvements

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

Mapped: Y

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
CON	DRPA		0.500	0.510	0.740	1.200					
DES	DRPA	0.400		0.200							
CON	SECT 5307		2.000	2.040	2.960	4.800					
DES	SECT 5337	1.600		0.800							
Fiscal Year Total		2.000	2.500	3.550	3.700	6.000					
		Total First Four Years: 11.750				Total Later Fiscal Years: 6.000					

DB# DR036 Transit Enhancements

AQCODE: X12

This program will support transit enhancements.

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

Phase	Fund	TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
		2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
ERC	DRPA	0.014	0.014	0.014	0.014	0.014	0.014	0.014	0.014		
ERC	SECT 5307	0.056	0.056	0.056	0.056	0.056	0.056	0.056	0.056		
Fiscal Year Total		0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070		
		Total First Four Years: 0.280				Total Later Fiscal Years: 0.280					

Total for Various:

27.673	28.137	28.576	29.040	29.509	30.003	30.391	30.914	31.416	24.432
Total First Four Years: 113.426				Total Later Fiscal Years: 176.665					