



8.3 DVRPC Regional Transit Projects: DRPA/PATCO

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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					

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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:											
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					

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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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DRPA/PATCO

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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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:	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 This project may be suitable for ITS treatments.	Mapped: N

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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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DRPA/PATCO

DB# DR2303PATCO Lindenwold ShopNEW

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:

Mapped: Y

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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# DR2307PATCO Rail ReplacementNEW

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:

Mapped: Y

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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:

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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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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DRPA/PATCO

DB# DR2304

AQCODE: M6

CMP:

Municipalities:

CIS Program Subcategory:

Project Manager:

Mileposts:

Improvement Type:

PATCO Substation Improvements

DRPA/PATCO

Transit Improvements

NEW

The project will include upgrades to equipment, including rehabilitation of the buildings at New Jersey PATCO substations.

Planning Center: None

CIS Program Category: Mass Transit Assets

IPD:

Sponsor: DRPA/PATCO

Mapped: Y

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

AQCODE: M9

CMP:

Municipalities:

CIS Program Subcategory:

Project Manager:

Mileposts:

Improvement Type:

PATCO Track Resurfacing & Rail Profile Grinding

DRPA/PATCO

Transit Improvements

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.

Planning Center: None

CIS Program Category: Local System Support

IPD:

Sponsor: DRPA/PATCO

Mapped: Y

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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:			0.750	Total Later Fiscal Years:			2.050		

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DRPA/PATCO

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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)						
Phase	Fund	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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DRPA/PATCO

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 coatins, 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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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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DRPA/PATCO

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	

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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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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.

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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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DRPA/PATCO

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: Planning Center: None

Project Manager: Howard, Mike

CIS Program Category: IPD:

Mileposts: n/a

Sponsor: DRPA/PATCO

Improvement Type: Transit Improvements

Mapped: Y

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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:

Planning Center: None

CIS Program Category: Mass Transit Assets

IPD:

Sponsor: DRPA/PATCO

Improvement Type: Transit Improvements

Mapped: N

		TIP Program Years (In Millions)				Later Fiscal Years (In Millions)					
Phase	Fund	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					

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