

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 15407 Villanova Intermodal Station SR:0030

LIMITS: Villanova Station in Delaware County

No Let Date

IMPROVEMENT Transit Improvements

NHPP: Y

MUNICIPALITIES: Radnor Township

FC:

AQ Code:A2

PLAN CENTER:

IPD: 13

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 2C, 7B

This project will modernize Villanova Station on the Paoli/Thorndale Regional Rail Line, making the station fully ADA accessible, and will advance in phases. Phase 1 improved station accessibility and included construction of a new, wider pedestrian tunnel with access ramps and stairs, additional parking spaces, stormwater management improvements, new signage, lighting, and passenger amenities, completed in 2019. Phase 2 will make the station fully ADA accessible and includes full length high-level platforms, new canopies, station building improvements, passenger shelters, security improvements and passenger amenities.

The total project cost is \$31.46M. Funding is programmed as follows: Prior year funds in the amount of \$21.01M, and \$10.45M in FY 2024 - FY 2026.

TIP Program Years (\$ 000)

Phase	Fund	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>FY2028</u>	<u>FY2029</u>	<u>FY2030</u>	<u>FY2031</u>	<u>FY2032</u>	<u>FY2033</u>	<u>FY2034</u>
ERC	1514		339										
ERC	LOC		11										
ERC	1514			5,577									
ERC	LOC			186									
ERC	1514				4,052								
ERC	LOC				135								
		0	350	5,763	4,187	0	0	0	0	0	0	0	0
		Total FY2023-2026		10,300		Total FY2027-2030		0		Total FY2031-2034		0	

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 59966 Capital Asset Lease Program

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M1

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

The Capital Asset Lease Program provides for lease payments attributable to the acquisition, through financial leasing arrangements, of the following capital assets: communications antennas, copiers, and Amtrak trackage. SEPTA's Amtrak lease provides for the right to use Amtrak tracks for SEPTA's Trenton, Wilmington/Newark and Paoli/Thorndale Regional Rail service, and portions of the Chestnut Hill West, Media/Elwyn, Airport and Cynwyd Regional Rail Lines. The payments to Amtrak represent SEPTA's allocated portion of Amtrak's cost to maintain and upgrade the right-of-way including protection of assets, maintenance and general administrative overhead in accordance with the Passenger Rail Investment and Improvement Act of 2008 (PRIIA).

TIP Program Years (\$ 000)													
Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
CAL	5337	6,612											
CAL	1514	11,781											
CAL	LOC	393											
CAL	5307		2,000										
CAL	5337		72,825										
CAL	1514		8,597										
CAL	LOC		287										
CAL	5337			28,605									
CAL	1514			7,493									
CAL	LOC			766									
CAL	5337				42,160								
CAL	1514				11,330								
CAL	LOC				378								
CAL	5307					12,462							
CAL	1514					3,015							
CAL	LOC					100							
CAL	5337						50,446						
CAL	1514						13,447						
CAL	LOC						448						
CAL	5337							54,811					
CAL	1514							14,556					
CAL	LOC							485					
CAL	5337								56,455				
CAL	1514								15,009				
CAL	LOC								500				
CAL	5337									58,150			
CAL	1514									15,476			
CAL	LOC									516			
CAL	5337										59,893		
CAL	1514										15,953		
CAL	LOC										532		
CAL	5337											61,690	
CAL	1514											16,443	
CAL	LOC											548	
CAL	5337												63,541
CAL	1514												16,949
CAL	LOC												565

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SEPTA

18,786	83,709	36,864	53,868	15,577	64,341	69,852	71,964	74,142	76,378	78,681	81,055
Total FY2023-2026		193,227		Total FY2027-2030		221,734		Total FY2031-2034		310,256	

MPMS# 59973 *Utility Fleet Renewal Program - Non Revenue Vehicles*

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M2

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

The Utility Fleet Renewal Program is a comprehensive effort to upgrade and replace the Authority's utility fleet and automotive service fleet. SEPTA utility vehicles support transit and railroad operations. In order to have adequate and reliable utility vehicles, SEPTA has developed a program to periodically renew this fleet on a vehicle-by-vehicle basis, contingent upon the vehicle's age, condition and usage within the Authority.

The utility fleet comprises the following types of vehicles and equipment:

- Utility vehicles for transit and paratransit supervisors, and SEPTA police officers.
- Maintenance-of-way vehicles used for inspection, maintenance and construction of buildings, overhead power systems, communications systems, signal systems and track. These vehicles include trucks, cranes, high rail vehicles and maintenance-of-way equipment.
- Transporter vehicles used in garages and shops, including revenue trucks, forklifts for material handling, pick-up trucks for material movement between depots and shops, and for snow removal.
- Service vehicles used for vehicle maintenance including wreckers, tow tractors, man lifts and pick-up trucks.
- Miscellaneous equipment such as generators, compressors, trailers, floor scrubbers and welding units.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
PUR	1514	12,233											
PUR	LOC	408											
PUR	1514		12,790										
PUR	LOC		5,206										
PUR	1514			10,271									
PUR	LOC			342									
PUR	1514				9,293								
PUR	LOC				310								
PUR	1514					11,919							
PUR	LOC					397							
PUR	1514						9,712						
PUR	LOC						324						
PUR	1514							9,447					
PUR	LOC							315					
PUR	1514								9,672				
PUR	LOC								322				
PUR	1514									9,904			
PUR	LOC									330			
PUR	1514										10,016		
PUR	LOC										334		
PUR	1514											10,770	
PUR	LOC											359	
PUR	1514												10,645
PUR	LOC												355
Total FY2023-2026		12,641	17,996	10,613	9,603	12,316	10,036	9,762	9,994	10,234	10,350	11,129	11,000
Total FY2027-2030		50,853				42,108				42,713			

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SEPTA

MPMS# 60275 *Debt Service*

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M1

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

Capital funds will provide for debt service and costs related to the issuance of bonds, notes, and other indebtedness incurred by SEPTA for the following debt service payments:

Payments on Capital Grant Receipts Bonds, Series 2011/2017- \$156.88M (Final year of debt service funding for Series 2011-2017 Bonds - FY 2029)

Acquisition of 120 Silverliner V Regional Rail Cars - These electric multiple-unit (EMU) cars have replaced the Silverliner II and III rail cars, and provided additional cars to supplement the regional rail car fleet. Vehicles fully comply with Americans with Disabilities Act (ADA) requirements and federal and state regulations. The total cost for this project of \$319.7 million is funded through a combination of grants and capital financing.

Rehabilitation of the Wayne Junction Intermodal Facility - The Wayne Junction Intermodal Facility was originally constructed at the turn of the 20th Century. This project provided for restoring the station's historic integrity while modernizing its structure to provide a more accessible and environmentally friendly facility for local residents. The project provided for the enhancement of passenger amenities such as lighting, signage, shelters, audio and visual public announcement system, windscreens, benches, HVAC systems, and sanitary systems. Structural improvements included station building rehabilitation and ADA accessibility modifications, such as high-level platforms, elevators, stairway renovations, passenger tunnel improvements, new canopies and shelters. The total project cost of \$29.4 million is funded through a Federal Transit Administration Bus and Bus Facilities Livability Grant and capital financing.

In October 2017, the Authority advance refunded a portion of Capital Grant Receipts Bonds, Series 2011 ("Series 2011 Bonds"), to reduce future debt service payments. The final maturity date of the newly issued Series 2017 Bonds was unchanged from the Series 2011 Bonds.

Payments on Fixed Rate Revenue Refunding Bonds, Series 2017/2019 - \$103.25M (Final year of debt service funding for Series 2017-2019 Bonds - FY2028)

Proceeds from the Fixed Rate Revenue Refunding Bonds ("Series 2010 Bonds") were used to refund the Special Revenue Bonds, Series 1999, which provided funds for the Market-Frankford Line cars, various capital improvement projects, and partial refunding of Series 1995A Bonds. In October 2017, the Authority advance refunded a portion of the Series 2010 Bonds to reduce future debt service payments. In December 2019, the Authority refunded a portion of the Series 2010 bonds to further reduce future debt service payments. The final maturity of the Series 2017 and 2019 bonds was unchanged from the Series 2010 bonds

Capital Financing- EB5 Loan - \$241.90M (Refinancing in FY 2022)

In January 2016, SEPTA entered into a loan agreement with the Delaware Valley Regional Center (DVRC) pursuant to the Employment Based Immigration-5th Preference (EB-5) Program administered by United States Citizenship and Immigration Services (USCIS). The loan was made available to SEPTA over a period of several years and was used to partially fund the acquisition of electric locomotives, expansion of Frazer Yard, and substation rehabilitation projects. This loan will be refinanced as part of the Bond Issuance SEPTA is undertaking in calendar year 2022.

Payments on Capital Grant Receipts Bonds, Series 2020 - \$130.89M (Final year of debt service funding for other Capital Financing – FY 2032)

Acquisition of 140 Hybrid (Diesel-Electric) Buses – These buses replaced diesel buses acquired in 2004. The vehicles fully comply with Americans with Disabilities Act (ADA) requirements and federal and state regulations. The buses have electronic exterior and interior destination signs, voice annunciation of bus destination and upcoming bus stops, interior video display monitors and the capability for SEPTA's Control Center to broadcast messages directly to passengers. These buses are equipped with on-board video surveillance and automatic passenger counting systems. The buses are also equipped with enhanced passenger amenities such as USB Charging Ports, Cellular Router for real time critical vehicle data on demand and a dual purpose Passenger Wifi system, and a Qpod Wheelchair Restraint System to decrease wheelchair and scooter ambulatory device tipping.

Payments on State Motor Vehicle Sales Tax Bonds, Series 2022- \$984.50M (Final year of debt service funding for other Capital Financing (Estimated – FY 2034)

On February 24, 2022, the SEPTA Board approved the Authority to issue bonds in an amount not to exceed \$800 M to support SEPTA's capital program. This approval is based on PennDOT's prior approval for SEPTA to issue debt pursuant to Section 1514(f) of Title 74 of the

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Pennsylvania Consolidated Statutes. The Authority expects to proceed with an initial bond issuance of \$550 million to fund various capital projects, including refinancing of SEPTA's outstanding EB-5 Loan as well as various state of good repair infrastructure, ADA Accessibility station, and rail fleet replacement projects.

TIP Program Years (\$ 000)													
Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
DS	5307	17,570											
DS	5337	24,749											
DS	PTAF 44	11,728											
DS	1514	29,314											
DS	OTH	241,897											
DS	LOC	1,381											
DS	5307		8,783										
DS	5337		12,375										
DS	PTAF 44		11,730										
DS	1514		39,913										
DS	LOC		1,734										
DS	5337			12,374									
DS	5307			8,786									
DS	PTAF 44			11,724									
DS	1514			47,328									
DS	LOC			1,981									
DS	5337				12,377								
DS	5307				8,785								
DS	PTAF 44				11,727								
DS	1514				58,581								
DS	LOC				2,356								
DS	5307					8,786							
DS	5337					12,374							
DS	PTAF 44					10,515							
DS	1514					69,836							
DS	LOC					2,690							
DS	5337						12,373						
DS	5307						8,785						
DS	1514						81,092						
DS	LOC						2,702						
DS	5307							8,784					
DS	1514							89,351					
DS	LOC							2,978					
DS	5307								8,785				
DS	1514								100,611				
DS	LOC								3,353				
DS	5307									8,782			
DS	1514									111,865			
DS	LOC									3,728			
DS	1514										120,993		
DS	LOC										4,032		
DS	1514											132,249	
DS	LOC											4,407	
DS	1514												143,507
DS	LOC												4,782
		326,639	74,535	82,193	93,826	104,201	104,952	101,113	112,749	124,375	125,025	136,656	148,289
		Total FY2023-2026		577,193		Total FY2027-2030		423,015		Total FY2031-2034		534,345	

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60317 Federal Preventive Maintenance

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M1

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

Federal Preventive Maintenance provides for operating assistance and preventive maintenance expenses pertaining to activities performed on vehicles and facilities. Activities include 1) program administration; 2) repair of buildings, grounds and equipment (including, but not limited to, the overhaul of vehicles); 3) operation of electric power facilities; 4) maintenance of vehicle movement control systems, fare collection, counting equipment and structures; and 5) maintenance of general administration buildings, grounds and equipment, and electrical facilities.

TIP Program Years (\$ 000)													
Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
OP	5337		61,712										
OP	LOC		15,428										
OP	5337					36,200							
OP	LOC					9,050							
OP	5337						36,200						
OP	LOC						9,051						
OP	5337							36,200					
OP	LOC							9,050					
OP	5337								36,200				
OP	LOC								9,050				
OP	5337									6,892			
OP	5307									29,308			
OP	LOC									9,050			
OP	5307										4,753		
OP	5337										31,447		
OP	LOC										9,050		
OP	5307											2,366	
OP	5337											33,834	
OP	LOC											9,050	
OP	5337												36,200
OP	LOC												9,050
		0	77,140	0	0	45,250	45,251	45,250	45,250	45,250	45,250	45,250	45,250
		Total FY2023-2026		77,140		Total FY2027-2030		181,001		Total FY2031-2034		181,000	

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60335 City Hall / 15th Street Stations

LIMITS: City Hall / 15th Street Station in Philadelphia

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Center City Philadelphia

PLAN CENTER: Metropolitan Center

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

NHPP:

FC:

No Let Date

MRPID:AD

AQ Code:M8

IPD: 14

CMP Subcorridor(s): 10A, 14A

Rehabilitation of City Hall Station on the Broad Street Line and 15th Street Station on the Market-Frankford Line to make the stations fully ADA accessible; bring the stations to a state of good repair; improve customer use, safety and security; and reduce heavy maintenance costs. Specifically, the project will:

- 1) Provide full access for riders with disabilities through fourteen new elevators and ramps to all levels of both stations, new and wider ramped corridors connecting the stations, and new accessible fare line gates;
- 2) Improve passenger flow with new and reconfigured fare lines outfitted for the new SEPTA Key program, new and wider stairs and railings, and more open areas in the 15th Street Mezzanine and on the platforms;
- 3) Update station interiors and systems including new architectural finishes, new signs, Art-in-Transit, new seating and other amenities, new lighting and public address systems, new updated fire alarm system, closed-circuit TV and security systems; and,
- 4) Provide structural repairs and upgrades, mechanical and natural ventilation and improvements to prevent/intercept water infiltration and inflow, new fire suppression systems and new employee restrooms.

The City Hall / 15th Street Stations project has been divided into the following phases:

- Dilworth Park Phase (complete): Included work to prepare for the park's construction by the Center City District (CCD); construction of the new station entrance outside the west portal of City Hall; and five new elevators connecting street level to the rebuilt fare lines and 15th Street Station and the eastbound trolley platform.
- 15th Street Station (complete): Five new elevators for 15th Street Station connecting street level to MFL and trolley platforms and overall interior renovations and upgrades to station finishes, platforms, lighting, fare lines, security system and accessibility improvements.
- Interlocking Reconfiguration: Modification of the interlocking at Fairmount to allow for track outages necessary for City Hall underpinning and station construction.
- Inter-Station Connections and City Hall Station structural work (underpinnings): New and widened corridors with ramps, improved ventilation structures, platform wall openings, and new elevator shaftways from the City Hall Station mezzanines to the platforms.
- City Hall Station: Upgrades within City Hall Station including fitting out the elevator shaftways with elevators to complete ADA compliance and new or renovated platforms, stairs, lighting and amenities.

The total project cost is \$189.04M (Prior year funds - FY 2029).

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	1514	13,307											
ERC	LOC	443											
ERC	1514		2,051										
ERC	LOC		69										
ERC	1514			14,323									
ERC	LOC			477									
ERC	1514				19,839								
ERC	LOC				661								
ERC	1514					19,746							
ERC	LOC					661							
ERC	1514						17,358						
ERC	LOC						578						
ERC	1514							12,792					
ERC	LOC							426					

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13,750	2,120	14,800	20,500	20,407	17,936	13,218	0	0	0	0	0
Total FY2023-2026		51,170		Total FY2027-2030		51,561		Total FY2031-2034		0	

MPMS# 60540 *Parking Improvements*

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:2035M

PLAN CENTER: Town Center

IPD: 24

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This program will provide for the construction, renovation, and expansion of SEPTA's parking facilities.

Currently programmed projects include:

- Conshohocken Station Parking Garage* - \$38.22M (Prior Years - FY2025)
- Holmesburg Junction Parking Expansion - \$690,000 (Prior Years - FY2023)

Due to reduced ridership resulting from the COVID-19 pandemic and as part of the Reimagining Regional Rail initiative, SEPTA is re-evaluating station parking needs. The following projects listed under the previous capital budget will be revisited in coordination with the results of Reimagining Regional Rail and as ridership returns and the need for parking at each location is more clear.

- 69th Street Transportation Center Parking Garage
- Gwynedd Valley Station Parking
- Ivy Ridge Parking
- Noble Station Parking Garage and Storage Track
- Philmont Station Parking
- Fern Rock Transportation Center Complex

*\$8M of FHWA CMAQ Flex funding is programmed in FY 2023 of MPMS #111005 to fully fund the project.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	5307	15,000											
ERC	FLEX	621											
ERC	1514	3,696											
ERC	LOC	123											
ERC	5307		4,386										
ERC	1514		1,061										
ERC	LOC		1,553										
		19,440	7,000	0	0	0	0	0	0	0	0	0	0
		Total FY2023-2026		26,440		Total FY2027-2030		0		Total FY2031-2034		0	

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60574 Paoli Transportation Center

LIMITS: Paoli Transportation Center in Chester County

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Tredyffrin Township

PLAN CENTER: Town Center

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

NHPP:

FC:

No Let Date

MRPID:E

AQ Code:M8

IPD: 19

This project provides for the engineering and construction of a new multimodal transportation center in Paoli, Chester County. The facility is located on SEPTA's Paoli/Thorndale Regional Rail Line and Amtrak's Harrisburg Line. Connecting services include Bus Routes 92, 106, 204, and 206.

The project includes two phases. Phase 1, completed in September 2019, made the existing station ADA accessible.

Phase 2 includes construction of an additional high-level platform on the outbound side, passenger amenities, enhanced bus facilities, improved station access. A companion PennDOT project will consist of the extension of Darby Road over the railroad, including a new bridge connecting to the station, and the removal of the North Valley Road bridge. This companion project needs to be completed prior to advancement of Phase 2. The estimated cost is \$50.28M (FY 2028 - FY 2034 Design and Construction).

Due to reduced ridership resulting from the COVID-19 pandemic and in conjunction with the Reimagining Regional Rail initiative, SEPTA is re-evaluating its station parking project schedules. A schedule and funding plan for Phase 3 will be developed as ridership levels increase and necessity for additional parking becomes more clear.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	1514									2,419			
ERC	LOC									81			
ERC	OTH										11,550		
ERC	OTH											12,740	
ERC	OTH												23,490
		0	0	0	0	0	0	0	0	2,500	11,550	12,740	23,490
		Total FY2023-2026			0	Total FY2027-2030			0	Total FY2031-2034			50,280

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SEPTA

MPMS# 60582 Vehicle Overhaul Program

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M3

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

SEPTA's Vehicle Overhaul Program (VOH) provides for the systematic replacement or upgrade of systems on SEPTA's rolling stock and VOH support equipment. In addition to vehicle fleet overhauls, this program also provides for vehicle campaigns to address specific component overhaul needs of a bus or rail fleet. The VOH Program allows SEPTA to continue its overhaul of rolling stock, thus ensuring continued safe and reliable service, particularly for its increasingly aging rail vehicle fleet.

Vehicles are scheduled for overhauls during their service lives based on vehicle type and age to optimize performance throughout its useful service life. Prudent fleet management requires a program of preventive maintenance for optimal fleet reliability, service quality, efficient performance, and passenger comfort. Advanced scheduling of vehicle overhauls and campaigns allows SEPTA to purchase material and produce rebuilt components in an efficient and effective manner.

Highlights of the Fiscal Year 2023 program includes the following activities:

Bus Overhaul: 40-foot Nova hybrid buses, 60-foot Nova Articulated hybrid buses and prototypes for the midlife overhaul of New Flyer 40-foot Xcelsior and 30-foot MiDi Series fleets.

Rail Overhaul: Broad Street B-IV cars, City and Suburban trolleys, Regional Rail Silverliner IV and V cars, Regional Rail Push-Pull cars, Market Frankford M-4 cars, Route 15 PCC-II Trolley Cars, Norristown High Speed Line N-5 cars, and support vehicles and equipment.

Highlights of rail transit campaigns for Fiscal Year 2023 include: M-4 LCU Software Upgrade; M-4 carbody bolster repairs. Regional Rail campaigns include Push-Pull cab/coach center door overhaul, HVAC control box upgrade and various Silverliner IV equipment and system overhauls.

Zero Emission Bus Retrofit Pilot: Development and testing of battery-electric retrofit kits on twelve of SEPTA's 40-foot diesel-hybrid buses.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
CAP	5337	34,394											
CAP	5307	37,792											
CAP	1514	20,903											
CAP	LOC	697											
CAP	5307		6,371										
CAP	5337		71,346										
CAP	1514		12,512										
CAP	LOC		417										
CAP	5307			28,000									
CAP	5337			24,390									
CAP	1514			17,043									
CAP	LOC			568									
CAP	5307				30,800								
CAP	5337				33,201								
CAP	1514				15,484								
CAP	LOC				516								
CAP	5337					16,227							
CAP	1514					3,926							
CAP	LOC					131							
CAP	5307						40,418						
CAP	1514						47,983						
CAP	LOC						1,599						
CAP	5337							19,999					

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SEPTA													
CAP	5307							28,000					
CAP	1514							42,387					
CAP	LOC							1,413					
CAP	5337								8,443				
CAP	5307								28,324				
CAP	1514								55,033				
CAP	LOC								1,834				
CAP	5307									28,001			
CAP	5337									48,406			
CAP	1514									18,486			
CAP	LOC									616			
CAP	5307										28,002		
CAP	5337										49,935		
CAP	1514										18,855		
CAP	LOC										628		
CAP	5337											51,494	
CAP	5307											28,000	
CAP	1514											19,233	
CAP	LOC											640	
CAP	5307												28,000
CAP	5337												53,084
CAP	1514												19,617
CAP	LOC												655
		93,786	90,646	70,001	80,001	20,284	90,000	91,799	93,634	95,509	97,420	99,367	101,356
		Total FY2023-2026		334,434		Total FY2027-2030		295,717		Total FY2031-2034		393,652	

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60599 Paratransit Vehicle Purchase

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M10

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

SEPTA routinely acquires new revenue vehicles for its paratransit and shared-ride services to replace vehicles that have exceeded their useful life of five years. These vehicles are provided to private carriers, which operate the services and maintain the vehicles under contract to SEPTA.

SEPTA ownership of these vehicles provides the following benefits:

The flexibility to rapidly exchange vehicles between carrier networks should the need arise

Creates an economic incentive for carriers to provide quality service

More control over fleet composition and standardization of the fleet

More control over vehicle design features.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
PUR	5307	8,967											
PUR	1514	2,170											
PUR	LOC	72											
PUR	5307		18,201										
PUR	5307		1,930										
PUR	1514		467										
PUR	LOC		16										
PUR	5307			6,499									
PUR	1514			1,572									
PUR	LOC			52									
PUR	5307				6,400								
PUR	1514				1,548								
PUR	LOC				52								
PUR	5307					6,528							
PUR	1514					1,579							
PUR	LOC					53							
PUR	5307						6,590						
PUR	1514						1,594						
PUR	LOC						53						
PUR	5307							7,587					
PUR	1514							1,836					
PUR	LOC							61					
PUR	5307								6,928				
PUR	1514								1,676				
PUR	LOC								56				
PUR	5307									7,066			
PUR	1514									1,710			
PUR	LOC									57			
PUR	5307										7,207		
PUR	1514										1,744		
PUR	LOC										58		
PUR	5307											7,352	
PUR	1514											1,779	
PUR	LOC											59	

Pennsylvania - Transit Program (Status: TIP)

SEPTA													
PUR	5307												7,498
PUR	1514												1,814
PUR	LOC												60
		11,209	20,614	8,123	8,000	8,160	8,237	9,484	8,660	8,833	9,009	9,190	9,372
		Total FY2023-2026		47,946		Total FY2027-2030		34,541		Total FY2031-2034		36,404	

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60611 **SEPTA Key (Fare Collection System/New Payment Technologies)**

LIMITS: System-wide

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

PLAN CENTER:

PROJECT MANAGER:

NHPP:

FC:

No Let Date

MRPID:B

AQ Code:M5

IPD:

CMP: Not SOV Capacity Adding

The SEPTA Key (New Payment Technologies) Project is modernizing SEPTA's antiquated fare payment and collection system by replacing it with a system that utilizes contactless payment devices and readers. New Fare Kiosks located in stations and other terminal locations will improve customer convenience for fare instrument purchases. Key Cards will also be widely available in retail establishments throughout the SEPTA service area and will be reloadable: 1) at Fare Kiosks or ticket offices; 2) automatically through an account with SEPTA; or 3) through an on-line transaction or the Call Center.

SEPTA Key is unique because it will include all of SEPTA's service modes. In addition to bus, rail transit, and regional rail fare collection improvements, this project will include improvements to the payment and collection procedures for SEPTA's Customized Community Transportation (CCT) operation and SEPTA's parking operations. Computer equipment and software systems will support the enhanced system-wide fare collection system.

SEPTA Key deployment is substantially complete for Transit services (Bus, Trolley, Trackless Trolley and High Speed Lines). Regional Rail phased roll-out is underway with Trailpasses in service. Railroad deployment will continue through 2020 with Travel Wallet, conductor sales, and other features and products. CCT development is underway with deployment starting in 2020. Upcoming Key features include: upgraded Key Card readers, mobile ticketing and open payment/ mobile wallets.

Companion projects supporting the SEPTA Key project include: SEPTA Key 2.0 Fare Payment System, bus and trolley farebox upgrade; Market-Frankford Line and Broad Street Line fiber optics improvements; electrical support for new fare lines at five Center City Regional Rail stations (Temple University, Jefferson Station, Suburban Station, 30th Street Station and Penn Medicine Station); Broad Street Line, Market-Frankford Line and Trolley station fare line improvements; zone offices to monitor fare lines and assist passengers; control modifications for elevators; Railroad station waiting room security; provision of power to Railroad Parking Payment Stations; and 30th Street Railroad Station ticket office/vendor relocations. These SEPTA Key companion projects are necessary to provide enhanced customer service and achieve cost efficiencies and revenue enhancements. Most of this work is complete or nearing completion.

Proposed future funding will ensure SEPTA Key technology remains up-to-date are included in the Safety and Security Technology Upgrades project within the Safety & Security Program.

The SEPTA Board approved a loan agreement with the Philadelphia Industrial Development Corporation (PIDC), Limited Partnership (LP) XXVIII, to partially finance this project. The total project cost includes the loan repayment, interest, and companion project costs.

The total project cost is \$315M. Funding is programmed as follows: Prior year funds in the amount of \$310M and \$5M in FY 2023.

Also included in this program is SEPTA Key 2.0. The total estimated cost of the SEPTA Key 2.0 project is currently \$225,000,000. Only \$15M is programmed for the design phase of the SEPTA Key 2.0. SEPTA is in the process of incorporating the project into its FY 2024 Capital Program development. SEPTA is planning to initiate the procurement process for this project and needs to be on the TIP in order to meet Federal requirements. SEPTA will submit a future TIP action to program the remaining \$210 million of project funding upon completion of the FY2024 Capital Budget Development process.

The SEPTA Key 2.0 Fare Payment System project includes upgrading the existing infrastructure to a next-generation, account-based electronic fare collection system, which is necessary in order to meet future needs. This will also provide a more flexible and secure back-office system and will include the replacement of obsolete field equipment. The SEPTA Key 2.0 Fare Payment System supports the implementation of the SEPTA Forward Strategic Plan, which includes the following goals and objectives:

Improve the customer experience with simple, intuitive interfaces

Use modern technology to streamline operations

Reduce fare evasion

Improve financial controls

Maximize system flexibility with an open architecture to integrate with other mobility providers

Enhance data security

Deploy equitable fare policies

In addition to the System Upgrade, SEPTA Key 2.0 will also include the following:

Parking System - To support revenue collection at SEPTA controlled parking lots and garages, the Parking System will be integrated with the new core Fare Payment System and will provide an open lot, garage and parking permit.

Continual Fare Media Order - This contract will provide for new forms of fare media inventory required to support future fare collection

Pennsylvania - Transit Program (Status: TIP)

SEPTA

operations and sales. The types of fare media include:

Extended-Use Media (reloadable smart cards)

Limited-Use Media (Disposable Smart media aka DSM)

Paper Tickets (QR-code)

Virtual Key Cards

Improved mobile payment applications

Building Access System - SEPTA will procure the supplies, equipment and software required to support building access at designated SEPTA facilities accessed by SEPTA staff, contractors and building tenants.

Call Center Operations - The build-out, equipping, and staffing of a call center to process inbound calls and contacts from SEPTA Key customers.

More powerful and secure back-office system.

Project status updates are available online at <http://www.septa.org/key/>.

TIP Program Years (\$ 000)

Phase	Fund	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>FY2028</u>	<u>FY2029</u>	<u>FY2030</u>	<u>FY2031</u>	<u>FY2032</u>	<u>FY2033</u>	<u>FY2034</u>
ERC	5337	4,000											
ERC	1514	5,807											
ERC	LOC	193											
ERC	5307		6,708										
ERC	5337		20,000										
ERC	1514		1,623										
ERC	LOC		789										
		10,000	29,120	0	0	0	0	0	0	0	0	0	0
		Total FY2023-2026		39,120		Total FY2027-2030				Total FY2031-2034			
								0					0

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60636 *Elwyn to Middletown Service Restoration*

LIMITS: Elwyn to Wawa, Delaware County

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Middletown Township

PLAN CENTER:

PROJECT MANAGER:

NHPP:

FC:

No Let Date

MRPID:P

AQ Code:2025M

IPD: 16

CMP Subcorridor(s): 5B

This project will provide restoration of rail service from the existing Media/ Elwyn Regional Rail Line terminus at Elwyn, Delaware County, to a new terminus at Middletown/Route 1, Delaware County along the existing right-of-way referred to as the West Chester Branch. The scope of work for this project consists of track bed reconstruction including crossties, continuous welded rail and track interlockings; catenary system replacement; and the replacement and rehabilitation of bridges and culverts. The installation of a bi-directional signal system and communications system improvements including Positive Train Control (PTC) is being funded separately under a competitive PTC grant from the Federal Transit Administration.

The new terminus at Middletown/Route 1 will include a station building with a passenger waiting area and restroom facilities; a high-level island platform with canopy and windscreens; a pedestrian underpass with accessible ramps and stairways; a 600+ car parking deck; and connections to SEPTA bus service. The new facility will be fully ADA compliant. The project also includes the construction of a new traffic intersection and access road connecting U.S. Route 1 to the station. A railcar storage/maintenance yard and crew facility will be constructed on SEPTA property in Lenni, Delaware County.

The total project cost is \$197.21M. Funding is programmed as follows: Prior year funds in the amount of 184.50M and \$12.71M in FY 2023.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>FY2028</u>	<u>FY2029</u>	<u>FY2030</u>	<u>FY2031</u>	<u>FY2032</u>	<u>FY2033</u>	<u>FY2034</u>
ERC	1514	12,301											
ERC	LOC	410											
		12,711	0	0	0	0	0	0	0	0	0	0	0
		Total FY2023-2026		12,711		Total FY2027-2030		0		Total FY2031-2034		0	

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Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60638 *Regional Rail Car and Locomotive Acquisition*

Return

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MRPID:CQ

MUNICIPALITIES: Various

FC:

AQ Code:M10

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

Multi-Level Regional Rail Cars - \$179.20M (Prior Years- FY 2025)

This project provides for the acquisition of new multi-level push-pull passenger railcars. In 2017, a contract was awarded to CRRC MA Corp. for 45 railcars with an option for an additional 10 push-pull railcars. The new cars will fully comply with Americans with Disabilities Act (ADA) requirements and federal and state regulations regarding safety features and systems. The cars will include passenger amenities, such as a state-of-the-art climate control system, bicycle storage area and WiFi. The new cars will have electronic exterior and interior destination signs, voice annunciation and corresponding display on video screens of train destination and upcoming station stops. In addition, the new railcars will be equipped with on-board video surveillance and automatic passenger counting systems.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
PUR	5307	2,000											
PUR	1514	7,258											
PUR	LOC	242											
		9,500	0	0	0	0	0	0	0	0	0	0	0
		Total FY2023-2026		9,500		Total FY2027-2030		0		Total FY2031-2034		0	

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60651 Substations and Power Improvements

LIMITS: System-wide railroad substations

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M6

PLAN CENTER:

IPD: 0

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

These projects will replace existing equipment with modern indoor switchgear and state-of-the-art industry safety systems, communications and relay protection systems, and will provide additional power and reliability. Work includes replacing transformers, trolley breakers, feeder switches, substation switchgears and protective relaying. Power infrastructure must also be brought to a state of good repair. This includes replacing catenary systems and upgrading 80+ year old Regional Rail infrastructure. Additional power improvements will be undertaken as part of the Infrastructure Safety Renewal Program (ISRP) MPMS #90497.

Currently programmed substation and power projects include:

Multimodal Substation Overhaul Program:

- Supervisory Control and Data Acquisition (SCADA) System and Network Upgrade - \$18.50M (FY 2028 – FY 2034)
- Substation Design and Equipment Purchase - \$28.23M (Prior Years – FY 2024)

Power Program:

- 30th Street West Catenary Replacement - \$77.00M (Prior Years – FY 2027)

Railroad Substation:

- Railroad Substation 18th Street Switching Station - \$13M (FY 2023 – FY 2025)
- Railroad Substation Brill - \$12.8M (FY 2025 – FY 2028)
- Railroad Substation Chestnut Hill - \$22.54M (FY2022 – FY 2026)
- Railroad Substation Cresheim Valley - \$25.79M (FY 2022 – FY 2026)
- Railroad Substations Lansdale, Hatboro, & 12th/Portal - \$31.54M (FY 2019 – FY 2022)
- Wayne Junction Static Frequency Converters #1-4 - \$85.70 (Design - Prior Years - FY2021) (Construction - FY 2022 – FY 2027)
- Railroad Substation Woodbourne - \$23.79M (FY2023 - FY2026)

Transit Substations Program:

- Transit Substation Ellen - \$12.68M (FY 2025 – FY 2028)
- Transit Substation Market - \$12.50M (FY 2022- FY2024)
- Transit Substations Park, Broad, Loudon, Castor - \$19.95M (FY2022 - FY2024)
- Transit Substation Ranstead - \$12.68M (FY 2027– FY 2029)

Transit Substation Program - \$140M (FY 2028 - FY 2034)

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	5337	2,063											
ERC	1514	9,580											
ERC	LOC	365											
ERC	OTH	15,000											
ERC	5337		63,979										
ERC	1514		4,946										
ERC	LOC		165										
ERC	OTH		5,000										
ERC	5337			22,594									
ERC	1514			5,466									
ERC	LOC			182									
ERC	OTH			14,000									
ERC	5337				32,966								
ERC	1514				7,976								
ERC	LOC				266								
ERC	5337					25,070							
ERC	1514					6,065							

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SEPTA													
ERC	LOC				202								
ERC	OTH				5,120								
ERC	5337					26,477							
ERC	1514					6,406							
ERC	LOC					213							
ERC	5337						9,510						
ERC	1514						2,301						
ERC	LOC						77						
ERC	5337							13,600					
ERC	1514							3,290					
ERC	LOC							110					
ERC	5337								28,800				
ERC	1514								6,968				
ERC	LOC								232				
ERC	5337									6,276			
ERC	1514									1,518			
ERC	LOC									51			
ERC	OTH									40,000			
ERC	5337										4,960		
ERC	1514										1,200		
ERC	OTH										40,000		
ERC	LOC										40		
ERC	5337											2,053	
ERC	1514											497	
ERC	LOC											17	
ERC	OTH											40,000	
		27,008	74,090	42,242	41,208	36,457	33,096	11,888	17,000	36,000	47,845	46,200	42,567
		Total FY2023-2026		184,548		Total FY2027-2030		98,441		Total FY2031-2034		172,612	

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 73214 *Ardmore Transportation Center*

LIMITS: Ardmore Transportation Center

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Lower Merion Township

FC:

AQ Code:M8

PLAN CENTER: Town Center

IPD: 17

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 7B

Improvements to the Ardmore Transportation Center on the Paoli/Thorndale Regional Rail Line will be completed in two phases.

Phase 1 will make this station fully ADA accessible with enhancements that include a new inbound station building; outbound shelters; high and low-level platforms; canopies; passenger amenities; tunnel accessibility improvements; elevators and accessible pathways; improved lighting; new signage; landscaping and site improvements including stormwater management; and installing foundations for a future parking garage.

Phase 2 includes the construction of an accessible multi-level parking garage with approximately 500 spaces; landscaping; site improvements; bus berthing area inside the garage; and improved vehicle and pedestrian access to Lancaster Avenue. Due to reduced ridership resulting from the COVID-19 pandemic and in conjunction with the Reimagining Regional Rail initiative, SEPTA is re-evaluating its station parking project schedules. A schedule and funding plan for Phase 2 will be developed as ridership levels increase and necessity for additional parking becomes more clear.

The total project cost (Phases 1 & 2) is \$79.65M. The Phase 1 budget is \$53.60M Funding is programmed as follows: Prior year funds in the amount of \$50.6M. The Phase 2 budget is \$26.05M (Construction TBD).

TIP Program Years (\$ 000)

Phase	Fund	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>FY2028</u>	<u>FY2029</u>	<u>FY2030</u>	<u>FY2031</u>	<u>FY2032</u>	<u>FY2033</u>	<u>FY2034</u>
ERC	5307		2,800										
ERC	5337		2,400										
ERC	1514		677										
ERC	LOC		3,523										
		0	9,400	0	0	0	0	0	0	0	0	0	0
		Total FY2023-2026		9,400		Total FY2027-2030		0		Total FY2031-2034		0	

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 77183 *Transit and Regional Rail Station Program*

LIMITS: System-wide stations

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:2035M

PLAN CENTER:

IPD: 17

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This program provides for the construction, reconstruction or rehabilitation of transit and regional rail stations and terminals, bus/trolley loop facilities, transportation centers, bicycle facilities, and parking expansions and improvements. Program elements include the replacement or rehabilitation of station and loop facility components, such as station buildings, ticket offices, waiting rooms, passenger shelters, canopies, platforms, crosswalks and overpasses, escalators and elevators, lighting, signage, and accessible paths. All improvements fully comply with requirements of the Americans with Disabilities Act (ADA). SEPTA currently has 121 wheelchair accessible railroad/rail transit stations.

Currently programmed projects include:

Multi-Modal Improvements and ADA Accessibility Projects:

- ADA Bridge Plates - \$2.21M (FY 2020 – FY 2023)
- Bicycle Transit Access Program - \$2.26M (Ongoing)
- Center City Concourses Improvements - \$59.65M (Prior Years – FY 2029)
- Rail Transit Wayfinding & Signage - \$40M (FY 2021 – FY 2025)

Regional Rail Station ADA Accessibility and Improvement Program

- Bristol Station on Trenton line - \$30M (FY 2022- FY 2023 Design) (FY 2024 – FY 2026 Construction)
- Chestnut Hill East ADA Improvements - \$11.17M (FY 2021 – FY 2026)
- Conshohocken Station - \$15.00M (Prior Years – FY 2024)
- Cornwells Heights Station Improvements - \$13.1 M (Prior Years - FY2023)
- Cornwells Heights Station Project - \$30.5M FRA ICR
- Jenkintown-Wyncote Station - \$50.28 (Prior Years – FY 2026)
- Malvern Station High Level Platforms - \$15.26M (FY 2022 – FY 2027)
- Marcus Hook Station - \$22.50M (FY 2022 – FY 2037)
- Noble Station on the West Trenton Line - \$28.20M – (Prior Year – FY 2023 Design) (FY 2027 – FY 2031 Construction)
- Regional Rail Roof Program - \$12M (Ongoing)
- Swarthmore Station - \$7.96M (FY 2022 – FY 2025)
- Willow Grove Station - \$39.44M (Prior Years - FY2023 Phase 1) (FY 2024 - FY 2033 Phase 2)

Broad Street Subway Stations

- Design for Broad Street Subway Station ADA Accessibility - \$12.48M (FY 2022 – FY 2024)
- Chinatown Station on the Broad-Ridge Spur - \$10M (FY 2025 – FY 2028)
- Ellsworth-Federal Station - \$19.82M (FY 2022 – FY 2031)
- Erie Station on the Broad Street Line - \$23.27M (Prior Years – FY 2025)
- Fairmount Station - \$35.05M (Prior Years – FY 2028)
- Hunting Park Station - \$24.76M (FY 2022 – FY 2030)
- Logan Station - \$24.76M (FY 2022 - FY2030)
- Lombard-South Station - \$19.82M (FY 2022 - FY2032)
- Snyder Station - \$30.36M (FY 2022 - FY2026)
- Susquehanna-Dauphin Station - \$23.87M (Prior Years - FY2026)
- Tasker-Morris Station - \$19.21M - (Prior Years - FY2023)
- Wyoming Station - \$24.76M (FY 2022 - FY2029)

Market Frankford Line Stations

- 11th Street Station - \$23.81M (Prior Years – FY 2025)
- 34th Street Station - \$31M (FY 2024 – FY 2028)
- Spring Garden Station - \$7.37M (FY 2024- FY 2026)

Norristown High Speed Line Stations

- Bridgeport Station - \$4M (FY 2022 - FY 2025)
- Villanova Station - \$4M (FY 2022 – FY 2025)

Boulevard Direct Bus Phase B - \$2.50M (FY2023 - FY2025)

All Stations Accessibility Program (ASAP)

Accessibility improvements to the 11th Street Station on the Market-Frankford Line, and the Fairmount (upper & lower), Snyder, Chinatown,

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SEPTA

and Erie Stations on the Broad Street Subway - \$56.050M (FY 2023)

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	FLEX	13,109											
ERC	5337	15,800											
ERC	5307	24,000											
ERC	5339B	2,000											
ERC	1514	1,410											
ERC	1514	22,569											
ERC	LOC	47											
ERC	OTH	15,000											
ERC	LOC	752											
ERC	ASAP		56,050										
ERC	FRA ICR		30,500										
ERC	5307		18,024										
ERC	5337		36,169										
ERC	1514		16,109										
ERC	OTH		15,000										
ERC	LOC		537										
ERC	5307			20,000									
ERC	5337			12,000									
ERC	1514			45,997									
ERC	OTH			32,254									
ERC	LOC			1,533									
ERC	5307				33,220								
ERC	5337				5,271								
ERC	1514				9,313								
ERC	OTH				53,431								
ERC	LOC				310								
ERC	1514					53,575							
ERC	OTH					14,803							
ERC	LOC					1,785							
ERC	1514						46,765						
ERC	LOC						1,558						
ERC	1514							40,202					
ERC	LOC							1,340					
ERC	1514								52,366				
ERC	LOC								1,745				
ERC	1514									61,436			
ERC	LOC									2,047			
ERC	1514										42,563		
ERC	OTH										28,450		
ERC	LOC										1,418		
ERC	1514											42,433	
ERC	OTH											27,260	
ERC	LOC											1,414	
ERC	1514												39,232
ERC	LOC												1,307
ERC	OTH												16,510
		94,687	172,389	111,784	101,545	70,163	48,323	41,542	54,111	63,483	72,431	71,107	57,049
		Total FY2023-2026		480,405		Total FY2027-2030		214,139		Total FY2031-2034		264,070	

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 90497 Infrastructure Safety and Renewal Program

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES:

FC:

AQ Code:M8

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

The annual Infrastructure Safety Renewal Program (ISRP) provides for the restoration by SEPTA forces of SEPTA's City and Suburban transit and railroad infrastructure to a state of good repair.

Projects to be advanced include:

-Track and Right-of-Way - Renewal or replacement of track, switches, and special work including yard and shop areas, track surfacing, culverts, bridges, retaining wall, and grade crossing improvements.

-Station Facilities - Rehabilitation of station buildings and associated facilities including roofs and canopies, ticket offices and waiting rooms, platforms, lighting, sanitary facilities, parking, and accessibility improvements.

-Communications and Signals Systems - Rehabilitation of signal systems and select communications equipment.

-Power Systems - Rehabilitation of electric traction and power systems and associated components including catenary and support structures, feeders and transmission lines, and localized and centralized control facilities.

-Maintenance/Support Facilities - Rehabilitation of shops, maintenance/storage yards, and associated maintenance and support facilities, including improvements or replacement of air compressors, sump pumps, tunnel lighting, duct banks, vehicle servicing equipment, and other support functions.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	1514	52,259											
ERC	LOC	1,742											
ERC	1514		53,304										
ERC	LOC		7,156										
ERC	1514			54,370									
ERC	LOC			1,812									
ERC	1514				55,457								
ERC	LOC				1,848								
ERC	1514					56,566							
ERC	LOC					1,885							
ERC	1514						57,698						
ERC	LOC						1,923						
ERC	1514							58,852					
ERC	LOC							1,961					
ERC	1514								60,029				
ERC	LOC								2,000				
ERC	1514									61,229			
ERC	LOC									2,040			
ERC	1514										62,454		
ERC	LOC										2,081		
ERC	1514											63,703	
ERC	LOC											2,123	
ERC	1514												64,977
ERC	LOC												2,165
		54,001	60,460	56,182	57,305	58,451	59,621	60,813	62,029	63,269	64,535	65,826	67,142
		Total FY2023-2026		227,948		Total FY2027-2030		240,914		Total FY2031-2034		260,772	

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 90512 SEPTA Bus Purchase Program

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES:

FC:

AQ Code:M10

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

SEPTA's Bus Fleet Management Plan provides for the acquisition of different size buses based upon needs and route characteristics. The current bus fleet consists of a variety of buses. SEPTA is planning for a full transition to zero-emission buses (ZEBs) by the year 2040. The Zero Emission Bus (ZEB) Master Plan will lay the groundwork for the bus fleet of the future. SEPTA has completed the first phase of analysis that examines the feasibility of procuring battery electric buses (BEBs) and installing charging infrastructure to support the fleet. The next phase of the plan will evaluate fuel cell electric buses (FCEBs) and the necessary fueling infrastructure to support them. To ensure the safety and continuity of bus operations while the ZEB Master Plan and transition plan is finalized, the Authority contracted with New Flyer to purchase 220 hybrid buses with an option on the third year to allow flexibility to transition to a zero-emission bus procurement sooner if technology is available. This bus procurement will allow SEPTA to retire the last of the all-diesel fleet which is now more than 15 years old (purchased in 2005). Future bus purchases will be guided by the ZEB Master Plan.

Funding for this program is also provided from MPMS #65109, FHWA Transit Flex to SEPTA. State funds programmed in MPMS #90512 each year will be applied as a state match for the flex funds programmed in MPMS# 65109.

TIP Program Years (\$ 000)

Phase	Fund	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>FY2028</u>	<u>FY2029</u>	<u>FY2030</u>	<u>FY2031</u>	<u>FY2032</u>	<u>FY2033</u>	<u>FY2034</u>
PUR	5307	157,336											
PUR	5339	16,634											
PUR	1514	46,211											
PUR	LOC	1,540											
PUR	5307		79,671										
PUR	5339		6,685										
PUR	1514		21,637										
PUR	LOC		722										
PUR	5339				7,149								
PUR	5307				20,727								
PUR	1514				10,877								
PUR	LOC				362								
PUR	5339					8,785							
PUR	1514					6,258							
PUR	LOC					208							
PUR	5307						42,921						
PUR	5339						9,048						
PUR	1514						16,706						
PUR	LOC						556						
PUR	5307							68,088					
PUR	5339							9,320					
PUR	1514							22,861					
PUR	LOC							762					
PUR	5339								9,599				
PUR	5307								71,867				
PUR	1514								23,843				
PUR	LOC								794				
PUR	5339									9,887			
PUR	5307									46,297			
PUR	1514									17,726			
PUR	OTH									28,000			
PUR	LOC									590			
PUR	5307										77,764		

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

PUR	5339									10,184			
PUR	1514									25,411			
PUR	LOC									846			
PUR	5307									79,374			
PUR	5339									10,489			
PUR	1514									25,874			
PUR	LOC									862			
PUR	5307											95,255	
PUR	5339											10,803	
PUR	1514											29,793	
PUR	LOC											992	
		221,721	108,715	0	39,115	15,251	69,231	101,031	106,103	102,500	114,205	116,599	136,843
		Total FY2023-2026		369,551		Total FY2027-2030		291,616		Total FY2031-2034		470,147	

MPMS# 93588 *Exton Station*

LIMITS: Exton Station in Chester County

IMPROVEMENT Transit Improvements

MUNICIPALITIES: West Whiteland Township

PLAN CENTER:

PROJECT MANAGER:

No Let Date

NHPP: MRPID:AG

FC: AQ Code:M8

IPD: 17

CMP: Not SOV Capacity Adding CMP Subcorridor(s): 7E

Phase 1 of this project, completed in 2020, consisted of the construction of high-level platforms with canopies and wind screens; stormwater management improvements; a new station building, new lighting, signage, security features, and passenger amenities. The station facilities are fully ADA accessible. The total cost of Phase 1 was \$28.23M.

Phase 2 initiate design and implement of Exton Station Multimodal Improvements project on the Paoli-Thorndale Regional Rail Line. This phase will design and implement multimodal improvements, including the construction of a bus loop with bus shelter. Derived from the recommendations of Bus Revolution, the planned bus circulator loop will promote intermodal access to the station. Phase 2 is estimated to cost \$6M (FY 2022 - FY 2024)

Phase 3 will provide for the development and construction of a fully accessible parking expansion. Due to reduced ridership resulting from the COVID-19 pandemic, SEPTA is re-evaluating its station parking project schedules. A schedule for this phase will be determined as ridership returns.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	5307	11,000											
ERC	1514	2,660											
ERC	LOC	63											
		13,723	0	0	0	0	0	0	0	0	0	0	0
		Total FY2023-2026		13,723		Total FY2027-2030		0		Total FY2031-2034		0	

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 95402 Bridge Program

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES:

FC:

AQ Code:M9

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This program will replace or rehabilitate SEPTA's bridges. Rehabilitation/replacement of bridges on rail lines and SEPTA right-of-ways will include culverts, pedestrian bridges and associated bridge support structures. Currently programmed projects include:

- Chestnut Hill East Regional Rail Line, 5 Bridges (Philadelphia) - \$30.00M (FY 2022 - FY 2026)

Mile Post 5.04 over Wayne Avenue; Mile Post 5.72 over Logan Street; Mile Post 7.63 over Chew Street; Mile Post 8.90 over Mt. Pleasant Avenue; Mile Post 9.59 over Chresheim Valley Drive

- Chestnut Hill West Regional Rail Line, 7 Bridges (Philadelphia) - \$35.00M (FY 2022 - FY 2028) Mile Post 0.06 over SEPTA Main Line; Mile Post 0.83 over 22nd Street; Mile Post 1.17 over Hunting Park Avenue; Mile Post 1.26 over CSX Tracks; Mile Post 2.98 over Rittenhouse Street; Mile Post 4.42 over Carpenter Lane; Mile Post 5.67 over Springfield Avenue

- Critical Bridge Program (System wide) - \$164.19M (Ongoing). Annual program to rehabilitate or replace bridges throughout the system to restore infrastructure to a state of good repair Bridges programmed for design and/or construction in FY 2023 include but are not limited to:

-Fox Chase Line MP 7.03 (3rd St. Philadelphia), Built 1910

-Lansdale/Doylestown Line MP 11.62 (Keswick Ave.), Built 1904

-Lansdale/Doylestown Line MP 11.83 (Easton Road), Built 1928

-Media/Elwyn Line MP 10.12 (Small Run), Built 1965

-Media/Elwyn Line MP 13.81 (Park Ave.), Built 1917

-Norristown Line MP 17.16 (Dekalb St.), Built 1931

-Norristown Line MP 17.77 (Stoney Creek), Built 1900

-West Trenton Line MP 31.63 (Delaware & Raritan Canal), Built 1902

- Mainline-Schuylkill Bridges (Philadelphia) - Total project of \$59M (Phase 1 Complete; Phase 2 \$10.95 (FY2021-2024; Phase 3 \$45.05M FY2022 - FY2028) Mile Post 0.49 over 21st Street; Mile Post 0.58 over 22nd Street; Mile Post 0.61, 0.64, & 0.68 over 22nd / 23rd Street; Mile Post 0.72 over CSX Tracks; Mile Post 0.76 over the Schuylkill River

- Stone Arch Bridges Phase 2 (Multiple Locations) - \$13.20M (Design Prior Years - FY2017- FY 2020) (Construction FY 2025-2028)

Doylestown Line Mile Post 4.87 Built 1915; Lansdale Line Mile Post 18.91 Built 1903; Media/Elwyn Line Mile Post 12.68 Built 1854; West Trenton Line Mile Post 13.70 Built 1912; West Trenton Line Mile Post 15.95 Built 1876; West Trenton Line Mile Post 18.52 Built 1948; West Trenton Line Mile Post 22.65 Built 1876.

- Norristown High Speed Line Bridge Mile Post 0.15 (Over 69th Street Yard Tracks) - \$4.00M (Prior Years - FY 2023)

- Norristown High Speed Line Bridge Mile Post 12.81 (Bridgeport Viaduct) - \$35M (FY2022 - FY2025)

- Suburban Rail Transit Critical Bridge Program - \$29.85M (Ongoing). Bridges programmed for design and/or construction in FY 2023 include but are not limited to:

-Sharon Hill Line MP 3.06 (Darby Creek), Built 1905

-Media Line MP 3.70 (Darby Creek), Built 1912

-Media Line MP 3.77 (Darby Creek), Built 1912

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	5337	10,190											
ERC	1514	5,368											
ERC	OTH	3,250											
ERC	LOC	178											
ERC	5337		26,439										
ERC	1514		2,042										
ERC	OTH		5,000										
ERC	LOC		67										
ERC	5337			23,425									

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA													
ERC	1514			5,667									
ERC	LOC			189									
ERC	OTH			13,128									
ERC	5337				34,231								
ERC	1514				8,282								
ERC	LOC				276								
ERC	5337					29,408							
ERC	1514					7,115							
ERC	LOC					237							
ERC	OTH					3,939							
ERC	1514						24,250						
ERC	LOC						808						
ERC	1514							19,818					
ERC	LOC							660					
ERC	5337								16,383				
ERC	1514								3,964				
ERC	LOC								132				
ERC	5337									1,006			
ERC	1514									18,844			
ERC	LOC									628			
ERC	5307										5,384		
ERC	1514										15,962		
ERC	LOC										532		
ERC	OTH										6,600		
ERC	1514												
ERC	OTH											28,478	
ERC	OTH												28,478
		18,986	33,548	42,409	42,789	40,699	25,058	20,478	20,479	20,478	28,478	28,478	28,478
		Total FY2023-2026		137,732		Total FY2027-2030		106,714		Total FY2031-2034		105,912	

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 102565 Track Improvement Program

LIMITS: System-wide

IMPROVEMENT Transit Improvements

MUNICIPALITIES:

PLAN CENTER:

PROJECT MANAGER:

NHPP:

FC:

CMP: Not SOV Capacity Adding

No Let Date

MRPID:AY

AQ Code:M9

IPD:

This program will provide for improvements to SEPTA's track and right-of-way. SEPTA operates rail service over 605 route miles of track (including track owned by SEPTA, Amtrak, the City of Philadelphia, and CSX). Projects will return rail infrastructure to a state of good repair and help preserve rail transit service for current and future customers. This program includes projects on both the Transit and Regional Rail systems that will renew street track and special work, replace continuous welded rail (CWR), and renew ties and timbers. This program also focuses on the stabilization of soil and rock slopes, stormwater and erosion control, track drainage, and the repair and prevention of sinkholes in the right-of-way. Additional track and right-of-way improvements will be undertaken as part of the Infrastructure Safety Renewal Program (ISRP).

Currently programmed projects include:

- Harrisburg Line Capacity Improvements – Track 2 - \$16.68M (Prior Year Funding – FY 2023)
- Market-Frankford Line Bridge Street Yard Program - \$3.00M (Prior Year Funding - FY2023)
- Norristown High Speed Line Tie Replacement and Continuous Welded Rail - \$33.60 (Prior Years - FY2023)
- Route 101/102 Yard Tracks Program - \$7.10M (Prior Year Funding – FY 2024)
- Track and Right of Way Improvements - \$18M (FY 2026 – FY 2034)
- Trolley Tunnel Track - \$42.80M (Ongoing)
- Norristown Station Regional Rail 3rd Track - \$34.50M (FY 2028 – FY 2034)
- MFL Haunches - \$1,000 (FY 2023)
- Norristown Line and Airport Freight Separation - \$50M (FY 2023 - 2028)
- Coatesville Service Restoration - \$2M (FY 2023 - FY 2025)
- Removal of Abandoned Trolley Tracks - \$12M (FY 2023)

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
CAP	5307	1											
CAP	1514	7,666											
CAP	LOC	255											
CAP	1514		7,103										
CAP	LOC		14,317										
CAP	1514			5,617									
CAP	LOC			187									
CAP	1514				3,387								
CAP	LOC				113								
CAP	1514					3,387							
CAP	LOC					113							
CAP	1514						3,387						
CAP	LOC						113						
CAP	1514							3,387					
CAP	LOC							113					
CAP	1514								3,387				
CAP	LOC								113				
CAP	1514									8,710			
CAP	LOC									290			
CAP	1514										9,194		
CAP	LOC										306		
CAP	1514											14,516	
CAP	LOC											484	
CAP	1514												15,000
CAP	LOC												499

Pennsylvania - Transit Program (Status: TIP)

SEPTA

	7,922	21,420	5,804	3,500	3,500	3,500	3,500	3,500	9,000	9,500	15,000	15,499
	Total FY2023-2026		38,646		Total FY2027-2030		14,000		Total FY2031-2034		48,999	

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 102567 Roof Program

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES:

FC:

AQ Code:M8

PLAN CENTER:

IPD: 29

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This program will repair and improve the roofs of various SEPTA maintenance buildings, transportation facilities, and stations. Work to be performed includes replacing and upgrading roof structures, mechanical equipment, electrical connections, brick repairs, roof-mounted HVAC equipment, and the replacement of old roofing systems.

Currently programmed projects include:

- 5800 Bustleton Roof Replacement - \$1.75M (FY 2024 – FY 2025)
- 69th Street Terminal Shop Complex Roofs Replacement - \$14.10M (Prior Years - FY2023)
- Frankford Depot Roof Replacement - \$8.80M (FY2023 - FY2026)
- Maintenance, Stations, & Substations Roof Program - \$19.50M (Ongoing)
- Midvale Roof Replacement - \$29.90M (Prior Years - FY2023)
- Southern Garage Roof Replacement - \$7.58M (FY 2026 – FY 2029)

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	5307	4,896											
ERC	1514	8,055											
ERC	LOC	268											
ERC	5307		7,200										
ERC	1514		2,031										
ERC	LOC		3,188										
ERC	1514			5,121									
ERC	LOC			171									
ERC	1514				4,606								
ERC	LOC				154								
ERC	1514					5,613							
ERC	LOC					187							
ERC	1514						3,074						
ERC	LOC						102						
ERC	1514							2,903					
ERC	LOC							97					
ERC	1514								2,419				
ERC	LOC								81				
ERC	1514									2,419			
ERC	LOC									81			
ERC	1514										2,419		
ERC	LOC										81		
ERC	1514											2,419	
ERC	LOC											81	
ERC	1514												2,419
ERC	LOC												81
		13,219	12,419	5,292	4,760	5,800	3,176	3,000	2,500	2,500	2,500	2,500	2,500
		Total FY2023-2026		35,690		Total FY2027-2030		14,476		Total FY2031-2034		10,000	

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 102569 Maintenance & Transportation Facilities

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES:

FC:

AQ Code:M11

PLAN CENTER:

IPD: 22

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This program provides for improvements to SEPTA's bus and rail maintenance shops, administrative facilities, and office buildings. This program includes ongoing renewal and replacement of programs including but not limited to the wheel truing, bus and steel wheel lift, fire suppression, boilers and vehicle washer shop and yard upgrades, and paving improvements. In addition, this program includes new facilities and rehabilitation of existing facilities as well as a roof rehabilitation and replacement program. Remediation and clean up activities at select facilities as well as activities that will reduce SEPTA's carbon footprint and enhance SEPTA's commitment to sustainability are also included in this program.

Currently programmed projects include:

- Boiler Replacement Program - \$16.00M (FY 2027 - FY 2034)
- Bus Lift Program - \$8M (FY 2027 – FY 2034)
- Courtland Shop Improvements - \$22.50 (FY 2018 – FY 2022 Design) (FY 2023 – FY 2025 Construction)
- Environmental Cleanup - \$24.64M (Ongoing)
- Facilities Critical Infrastructure Program - \$43M (Ongoing)
- Frazer Rail Shop and Yard Upgrade* - \$139.00M (Prior Years – FY 2026)
- Frazer Transportation Building - \$25M (FY 2021 – FY 2023 Design) (FY 2025 – FY 2030 Construction)
- Garage/Shop Overhead Doors - \$7.50M (FY 2029 – FY 2034)
- Maintenance Shop Equipment Program - \$61M (Ongoing)
- Powelton Yard Facility Improvements - \$5.53M (Prior Years - FY2023)
- Steel Wheel Lift Program - \$12.32M (FY 2023 – FY 2034)
- Vehicle Washer Program - \$14M (FY 2025 - FY2028)
- Wheel Truing Program - \$10.5M (FY 2024 – FY 2034)
- Wyoming Complex Storm Water Retrofits - \$8.36M (FY2020 – FY2021 Design) (FY 2022- FY20234 Construction)
- Victory Shop and Storage - \$18.75M (FY 2023 – FY 2024 Design) (FY 2024 – FY 2026 Construction)
- Maintenance Facilities Improvement Program - \$55M (FY 2028 – FY 2034)
- SEPTA Depot Zero-Emission Bus (ZEB) Power Resiliency Project - \$22.4M (FY 2023 - FY 2027)
- Midvale Depot Electric Bus Infrastructure Project - \$5.375 (FY 2023 - FY 2025)
- Zero Emissions Bus Fleet Transition Upgrades - \$100M (FY2024 - FY2028)
- 1234 Market Street State of Good Repair - \$10M (FY 2024 - 2032)
- Facilities Furnishings Program - \$7M (Ongoing)

*Frazer Rail Shop & Yard Upgrade- Phased upgrade of the Frazer Maintenance Facility to accommodate the expansion of SEPTA's railcar and locomotive fleets including multi-level cars. Work includes extending existing storage tracks and adding new storage tracks; major upgrades to the repair shop and equipment, including the wheel truing machine and drop table; construction of a shop extension, new cleaning track, train washer building, storage building and yardmaster building; utility upgrades and stormwater improvements. In addition, the roof will be replaced, and mechanical equipment will be replaced. The budget for this project is \$139 million.

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	5339(C)	3,340											
ERC	1514	14,657											
ERC	LOC	488											
ERC	OTH	11,544											
ERC	5339(C)		103,360										
ERC	1514		19,738										
ERC	LOC		38,008										
ERC	OTH		14,544										
ERC	1514			22,282									
ERC	OTH			25,427									
ERC	LOC			743									
ERC	OTH				25,959								
ERC	1514					20,372							

DVRPC FY2023-2026 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA													
ERC	LOC				679								
ERC	1514				26,818								
ERC	LOC				894								
ERC	1514				31,290								
ERC	LOC				1,042								
ERC	1514							30,314					
ERC	LOC							1,010					
ERC	1514								27,168				
ERC	LOC								905				
ERC	1514								32,045				
ERC	LOC								1,068				
ERC	1514									32,085			
ERC	LOC									1,069			
ERC	1514										32,126		
ERC	LOC										1,071		
		30,029	175,650	48,452	25,959	21,051	27,712	32,332	31,324	28,073	33,113	33,154	33,197
		Total FY2023-2026		280,090		Total FY2027-2030		112,419		Total FY2031-2034		127,537	

DVRPC FY2023-2026 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 102571 **Communications, Signals, & Technology Improvements**

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES: Various

FC:

AQ Code:M6

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This program provides for improvements to SEPTA's communications systems, signal systems, information technology infrastructure - including vehicle and facility video systems. As part of its capital program, SEPTA will replace its Computer Aided Radio Dispatch (CARD) System, install Positive Train Control on the Route 101/102 Trolley lines [Media-Sharon Hill Line (MSHL)], upgrade dispatching and scheduling systems, and implement a real-time vehicle arrival information display system. Rail signal modernization projects and interlocking improvements will enhance operational reliability and service quality. The annual Information Technology program provides replacement and upgrades of the Authority's computer hardware, software and network equipment, such as servers, digital signage, and Enterprise applications. This program also provides capital dollars to support SEPTA's transformative Efficiency and Accountability Initiative to improve how SEPTA functions as an organization on a day-to-day basis.

Currently programmed projects include:

- Harrisburg Line Capacity Improvements – Paoli to Overbrook - \$21.90M (FY 2022 – FY 2028)
- Positive Train Control - \$174.02M (Prior Year funding \$160.3M - FY 2021) (Continuing Integration with Partner Railroads FY 2021 - FY 2023)
- Positive Train Control – Onboard Survey Mapping - \$3.3M (FY 2021 – FY 2023)
- Railroad Interlocking Improvement Program - \$183.96M (Ongoing)
- Southwest Connection (30th to Phil Catenary, Signals and ROW Improvements) - \$57.99M (Prior Years - FY 2022)
- Regional Railroad Signal Improvement Program - \$40M (FY 2028 – FY 2034)
- Broad Street Line Ridge Spur Signals - \$14.66M (Prior Years - FY2023)
- Broad Street Line Signals (Broad Street Subway) - \$65.00M (FY 2028 – FY 2034)
- Market Frankford Line Positive Train Control - \$82M (FY 2022 – FY 2028)
- Norristown High Speed Line Interlockings - \$12.27M (Prior Years - FY2024)
- Route 101/102 Positive Train Control and ROW Improvements - \$90.12M (Prior Years – FY 2023)
- Signal System Renewal on the Norristown High Speed Line - \$80M (FY 2022 – FY 2023 Design) (FY 2023 – FY 2030 Construction)
- Computer Aided Radio Dispatch (CARD) System Replacement - \$124.82M (Prior Years - FY2026)
- Control Center Wall Display - \$6.39M (FY2021- FY2023)
- Crash Hardened Video Recorders - \$7.73M (Prior Years - FY2022)
- Real Time Information / Audio Visual Public Address (AVPA) - \$34.73M (Prior Years - FY2024)
- Telecommunications System Replacement - \$13.71M (FY 2022 – FY 2025)
- Facilities Video System - \$1.86M (Prior Years – FY 2022)
- Fare Payment System Equipment (\$28M) (FY 2023 – FY 2024)
- Information Technology Program - \$134.32M (Ongoing)
- Operations Training Simulators - \$6.59M (Prior Years - FY2022)
- SEPTA Transformation – Efficiency and Accountability Capital Support - \$1.9M (FY 2022 – FY 2024)
- Transit Asset Management - \$6.77M (Prior Years – FY 2023)
- Video Systems Refreshment Program - \$42.37M (FY 2023 – FY 2034)
- Regional Rail VHF Radio Upgrade - \$57M (FY2024 - FY2028)
- Positive Train Control Enhancements & Technology Refresh - \$25M (FY 2025 - FY 2029)
- Operational Technology Cybersecurity - \$58M (FY 2025 - FY 2029)
- Broad Street Subway City Hall Reverse Signaling - \$54M (FY2025 - FY2028)

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
CAP	5307	13,600											
CAP	5337	11,381											
CAP	1514	50,427											
CAP	LOC	1,680											
CAP	OTH	15,000											
CAP	5307		35,008										
CAP	5337		47,968										
CAP	1514		24,710										
CAP	OTH		5,000										
CAP	LOC		13,949										

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Pennsylvania - Transit Program (Status: TIP)

SEPTA													
CAP	5307		10,400										
CAP	5337		8,000										
CAP	1514		26,741										
CAP	OTH		55,000										
CAP	LOC		891										
CAP	5307			25,627									
CAP	5337			18,400									
CAP	1514			10,652									
CAP	LOC			355									
CAP	5307				10,400								
CAP	5337				8,000								
CAP	1514				22,028								
CAP	LOC				734								
CAP	5307					10,400							
CAP	5337					5,601							
CAP	1514					17,668							
CAP	LOC					589							
CAP	5337						8,000						
CAP	1514						25,273						
CAP	LOC						842						
CAP	5337							8,000					
CAP	1514							19,227					
CAP	LOC							641					
CAP	1514								47,806				
CAP	OTH								857				
CAP	LOC								1,594				
CAP	1514									60,700			
CAP	LOC									2,024			
CAP	5307										9,783		
CAP	1514										59,185		
CAP	LOC										1,973		
CAP	1514											75,323	
CAP	OTH											11,000	
CAP	LOC											2,510	
		92,088	126,635	101,032	55,034	41,162	34,258	34,115	27,868	50,257	62,724	70,941	88,833
		Total FY2023-2026		374,789		Total FY2027-2030		137,403		Total FY2031-2034		272,755	

DVRPC FY2023-2026 TIP for PA

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 107011 Safety and Security Improvements

LIMITS: System-wide

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES:

FC:

AQ Code:S6

PLAN CENTER:

IPD: 20

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

Safety is a core value at SEPTA. All projects advanced in the capital program have a safety-first focus throughout. Having a comprehensive safety plan and program is part of SEPTA's goal to promote safety and public health. This program includes life safety assessments and facility and vehicle safety and security measures. This program also includes projects funded with competitive U. S. Department of Homeland Security grant funds. The Authority is part of the Philadelphia Area Regional Transit Security Working Group (PARTSWG), which is working to advance safety and security improvements for all transit operations into and out of Philadelphia and the surrounding area. The matching funds (\$500K SEPTA, \$500K PHDC) for MPMS #119415 - Jefferson Station Escalators - Flex are shown in this project under Local funding.

Currently programmed projects include:

- Jenkintown Flood Mitigation - \$19.98M (FY 2022 – FY 2023)
- Railroad Signal Power Reinforcement - \$43.23 M (Prior Years – FY 2024 Construction)
- Sharon Hill Flood Mitigation - \$15.37M (Prior Years - FY2023)
- Escalator/Elevator Improvement Program - \$74.70M (Ongoing)
- Fern Rock Transportation Center Safety Improvements - \$20.52M (Prior Years - FY 2022 Design) (Prior Years – FY 2024 Construction)
- Grade Crossing Enhancement Program - \$22.17M (Ongoing)
- Safety & Security Infrastructure Hardening Program - \$50.44M (Ongoing)
- Safety & Security Shop, Yard, & Office Hardening Program - \$42.44M (Ongoing)
- Safety & Security Technology Upgrades - \$30M (Ongoing)
- Suburban Station Ventilation Improvements- \$12.82M (FY 2022 – FY 2024 Construction)
- Tank Replacement Program - \$24.5M (Ongoing)
- NRG Station Ventilation Improvements - \$10M (FY 2032 – FY 2034)
- On-Site Power for Major Facilities - \$6.00M (FY2028 - FY2034)
- Fern Rock Transportation Center Pedestrian Access - \$25M (FY 2024- FY 2035)
- Light Rail Vehicle Collision Avoidance System
- Vacuum Train Project - \$1M (FY 2024 - FY 2030)
- Cleaning Equipment - \$33.43M (Ongoing)
- SEPTA Transit Police Department Equipment - \$7.1M (Ongoing)
- Fare Evasion Technology Program - \$16.4M (FY 2025 - FY 2026)
- 2026 Events Preparedness - \$5M (FY 2025)
- Climate Adaptation and Mitigation Program - \$25M (FY2025 - FY2030 and FY2030 - FY2036)

TIP Program Years (\$ 000)

Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	TIGER	332											
ERC	1514	23,976											
ERC	LOC	866											
ERC	5307		12,987										
ERC	1514		29,832										
ERC	LOC		7,168										
ERC	5307			2,400									
ERC	1514			18,908									
ERC	LOC			630									
ERC	5307				15,760								
ERC	1514				3,813								
ERC	LOC				127								
ERC	5307					6,983							
ERC	1514					12,306							
ERC	LOC					410							
ERC	5307						2,400						
ERC	1514						16,742						
ERC	LOC						558						

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SEPTA													
ERC	5307							2,400					
ERC	1514							17,274					
ERC	LOC							576					
ERC	5307								2,400				
ERC	1514								17,758				
ERC	LOC								592				
ERC	5307									2,400			
ERC	1514									20,661			
ERC	LOC									689			
ERC	5307										2,400		
ERC	1514										25,984		
ERC	LOC										866		
ERC	5307											2,400	
ERC	1514											25,500	
ERC	LOC											850	
ERC	5307												2,400
ERC	1514												20,661
ERC	LOC												689
		25,174	49,987	21,938	19,700	19,699	19,700	20,250	20,750	23,750	29,250	28,750	23,750
		Total FY2023-2026		116,799		Total FY2027-2030		80,399		Total FY2031-2034		105,500	

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 115472 *Projects of Significance*

LIMITS:

No Let Date

IMPROVEMENT Transit Improvements

NHPP:

MUNICIPALITIES:

FC:

AQ Code:2035M

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

SEPTA and its regional partners continue to advance key Projects of Significance to build towards a shared lifestyle transit network vision for Southeastern Pennsylvania. These projects are instrumental to ensuring SEPTA is able to achieve the goals set forth in our strategic plan, SEPTA Forward. SEPTA's Bus Revolution, Trolley Modernization, King of Prussia Rail and railcar replacement projects are all critical links to ensuring SEPTA achieves its goal for a more resilient, prosperous and equitable region for everyone, with transit at the core.

Regional Rail Master Plan Implementation:

This process will progress concepts and alternatives evaluated through the Regional Rail Master Plan effort, including more detailed alternative analysis and concept design. Work may include progression of appropriate NEPA work with a focus on increasing grant-program readiness. Specific components for further study are currently being identified but will include continued coordination with external stakeholders.

Bus Revolution includes the following projects:

- Bus Network Enhancements Project - \$105M (FY 2022 – FY 2034 Property Acquisition, Design and Construction)
- South Philadelphia Transportation Center - \$12.25M (FY 2022 – FY 2026 Property Acquisition, Design and Construction)
- Wissahickon Transportation Center - \$37.64M (Prior Years – FY 2025 Construction)
- Micro Transit Service Implementation Project - \$6.11M (FY 2024 - FY 2025)

King of Prussia Rail- 30% Non-CIG Share Funding Commitment - \$390M (FY 2021 – FY 2029 Design and Construction).

SEPTA's King of Prussia Rail Project (KOP Rail) will extend the existing Norristown High Speed Line (NHSL) 4 miles into King of Prussia. The project includes five ADA accessible stations and will provide a "one-seat" ride from any station along the NHSL, including the 69th Street Transportation Center in Upper Darby and the Norristown Transportation Center in Norristown.

The KOP Rail Project is currently proceeding towards 30 percent design. In October 2021, the Federal Transit Administration (FTA) officially approved entry of the project into the Project Development stage of its Capital Investment Grant (CIG) program. Project Development activities will add more design and engineering detail to KOP Rail and the five stations and supporting documentation, including a draft financial plan and evaluation of project delivery methods. The total project is currently estimated at \$2.08 billion dollars.

The Market-Frankford Line Vehicle Replacement - \$720M (FY 2021 – FY 2022 MFL Vehicle Design) (FY 2023 – FY 2029 Rail Vehicle Replacement)

This project will purchase modern trainsets to replace the aging Market-Frankford Line M-4 Railcars. Included within the budget of this project is vehicle specification development as well as signal system and other infrastructure improvements needed to enhance operational efficiency of the new railcars.

Regional Rail Cars Silverliner IV Replacement - \$250M (FY 2028 – FY 2034)

This project is for pursuing future procurement of regional rail cars to replace the Authority's aging Silverliner IV railcar fleet. The Silverliner IV railcar fleet was built between 1974 and 1976. This initial investment in the replacement of the aging fleet will ensure that service on Regional Rail continues to be safe and reliable.

Trolley Modernization \$1.15B (FY 2021 – FY 2025 Design and Initial Enhancements) (FY 2022 – FY 2032 Trolley Acquisition) (FY 2023 – FY 2029 Construction).

These capital funds allow SEPTA to advance early action trolley infrastructure design and construction for the Trolley Modernization program. The new ADA accessible vehicles will require a complex and closely interrelated series of infrastructure upgrades in areas such as communications, signals, power, ADA stations, bridge improvements and maintenance facilities.

The goals of the Trolley Modernization program are:

- Accessible Trolleys that are fast and easy to use
- A system in full compliance with the Americans with Disabilities Act including vehicles and stations
- Providing quick, reliable and higher capacity service

A safe and improved customer experience

-This program advances equity by improving trolley access and service that disproportionately serves people of color, low-income populations, and individuals with disabilities.

Specific activities to be addressed include the following:

Property acquisition for the new accessible vehicle Facility/Facilities

- ADA Accessibility and State of Good Repair Improvements to 19th and 37th Street Trolley Stations

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-Bridge enhancements to support the new vehicles
Trolley Tunnel State of Good Repair Program, including the overhaul of the 40th Street Substation
-Develop modern station design standards and identify locations with public input and community engagement
-Study and advancement of end-of-line improvements
-Coordination with utilities and the City of Philadelphia
-Preliminary engineering and program management for overall project
ADA Accessible vehicle acquisition.

69th Street Transportation Center Comprehensive Plan Implementation - \$4M (FY 2022 - FY 2024 Design and Early Actions)
Development of a comprehensive master plan and undertake early actions to rehabilitate and improve service at the 69th Street Transportation Center. These infrastructure and intermodal connectivity improvements are critical to the success of Trolley Modernization, King of Prussia (KOP) Rail, and Bus Revolution.

Rebirth of Southwest Philadelphia Transportation Network - \$25M (FY 2024)
The project will implement trolley modernization and complete streets improvements on approximately 3.85 miles of roadway along the Route 36 corridor from 49th Street and Grays Avenue to 56th Street and Island Avenue.

Regional Rail Master Plan Implementation Project - \$3M (FY 2024 - Ongoing)
Provides funding for planning and design activities related to the Regional Rail Master Plan.

Microtransit Service Implementation project - \$6.11 M (FY 2024 - FY 2025)

TIP Program Years (\$ 000)													
Phase	Fund	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	FY2029	FY2030	FY2031	FY2032	FY2033	FY2034
ERC	5305	300											
ERC	5337	26,864											
ERC	ARPA	500											
ERC	5307	10,038											
ERC	1514	69,311											
ERC	LOC	2,308											
ERC	OTH	46,411											
ERC	RVR		48,453										
ERC	5339c		9,800										
ERC	5337		45,699										
ERC	RAISE		40,000										
ERC	1514		96,335										
ERC	OTH		94,892										
ERC	LOC		3,211										
ERC	RVR			134,757									
ERC	5307			69,517									
ERC	5337			66,718									
ERC	5339			6,891									
ERC	1514			68,280									
ERC	OTH			58,330									
ERC	LOC			2,276									
ERC	RVR				133,950								
ERC	5307				8,001								
ERC	5337				23,998								
ERC	1514				127,143								
ERC	LOC				4,233								
ERC	OTH				120,607								
ERC	5307					63,107							
ERC	1514					70,739							
ERC	LOC					2,355							
ERC	OTH					202,596							
ERC	1514						5,398						
ERC	LOC						180						

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SEPTA													
ERC	OTH					200,000							
ERC	5337						6,510						
ERC	1514						13,451						
ERC	OTH					200,000							
ERC	LOC						448						
ERC	1514							21,622					
ERC	LOC							720					
ERC	OTH							200,000					
ERC	OTH								171,143				
ERC	OTH									113,400			
ERC	1514										11,797		
ERC	LOC										393		
ERC	OTH										91,522		
ERC	5337											1,659	
ERC	1514											401	
ERC	OTH											93,981	
ERC	LOC											13	
		155,732	338,390	406,769	417,932	338,797	205,578	220,409	222,342	171,143	113,400	103,712	96,054
		Total FY2023-2026		1,318,823		Total FY2027-2030		987,126		Total FY2031-2034		484,309	